



# USER MANUAL PATARA

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## 1. Preface

Dear Customer,

Before using your appliance, please read the user manual carefully. The User Manual contains important information about the setup, safety, use and maintenance of your device. This way, you can protect yourself and prevent any damage to your device. Please keep the User Manual and forward it to the next owner of the appliance.

Ahmet Yar products do not contain PCB, PCT, asbestos, formaldehyde, cadmium, similar harmful substances and substances which could harm the user. The manufacturer has no responsibility for any damages that may occur in cases such as incorrect use of the appliance, installation errors, failure to do periodic maintenance, failure to use original spare parts, failure to comply with the information provided, warnings and precautions.

## 2. Safe operation

Some descriptions and applications in this guide may vary depending on appliance type and model.



**THIS APPLIANCE IS MANUFACTURED IN ACCORDANCE WITH LEGAL SAFETY LEGISLATIONS.**

For safe use, the following rules should be observed:

- Before connecting the appliance to the electrical socket, compare type label data (voltage and frequency) with the data of your power grid. These data must match with each other to ensure that your appliance is not damaged. If in doubt, please call your electrician.
- The safety of your appliance can only be ensured if the protected cable system (earthing) is furnished in accordance with the rules. It is very important that this basic security measure is met. If in doubt, have a specialist examine the electrical installation. Otherwise, the manufacturer cannot be held responsible for any damages that may occur. (E.g. Electric shock)
- Installation, connection and repair of the appliance should only be carried out by specialist personnel. Otherwise, the manufacturer cannot be held responsible for any potential dangers to the user.
- Do not use an extension cord in any way on the electrical connection of the appliance. Extension cables cannot provide the necessary safety for your device.
- Do not keep explosive materials or materials containing flammable gases (eg. spray boxes) in your appliance. It can cause mixtures to explode.
- Do not operate power tools inside the appliance. There may be a sparks. Danger of explosion!
- Never use steam pressure cleaning tools during the cleaning of the appliance. Pressured steam may leak into electrically conductive parts and cause short circuits.
- If you have any doubts about the electrical connection, operation or safety of the appliance, ask your service for help.
- Do not remove any external protection cover unless otherwise specifically specified in this manual. Otherwise, you may contact electrical parts that could be life-threatening.
- All work on electrical parts must be carried out by an authorised and expert electrician or person.
- Maximum loading limits shall be taken into account when products are loaded into the appliance.
- Protective equipment shall be used during cleaning and maintenance of the appliance. E.g: Gloves)
- Do not allow children to play with the appliance.
- The appliance shall not be used by people with physical (visual, aural) or mental disabilities, children and people with lack of experience and knowledge, without the supervision of a person responsible for their safety. Children shall be supervised when using the appliance and made sure that they do not tamper with the appliance.

### 3. Introduction

This manual was prepared for PATARA appliance. This document includes general information on how to use the appliance, its specifications, installation and assembly, information and recommendations for users, and cleaning/maintenance operations.

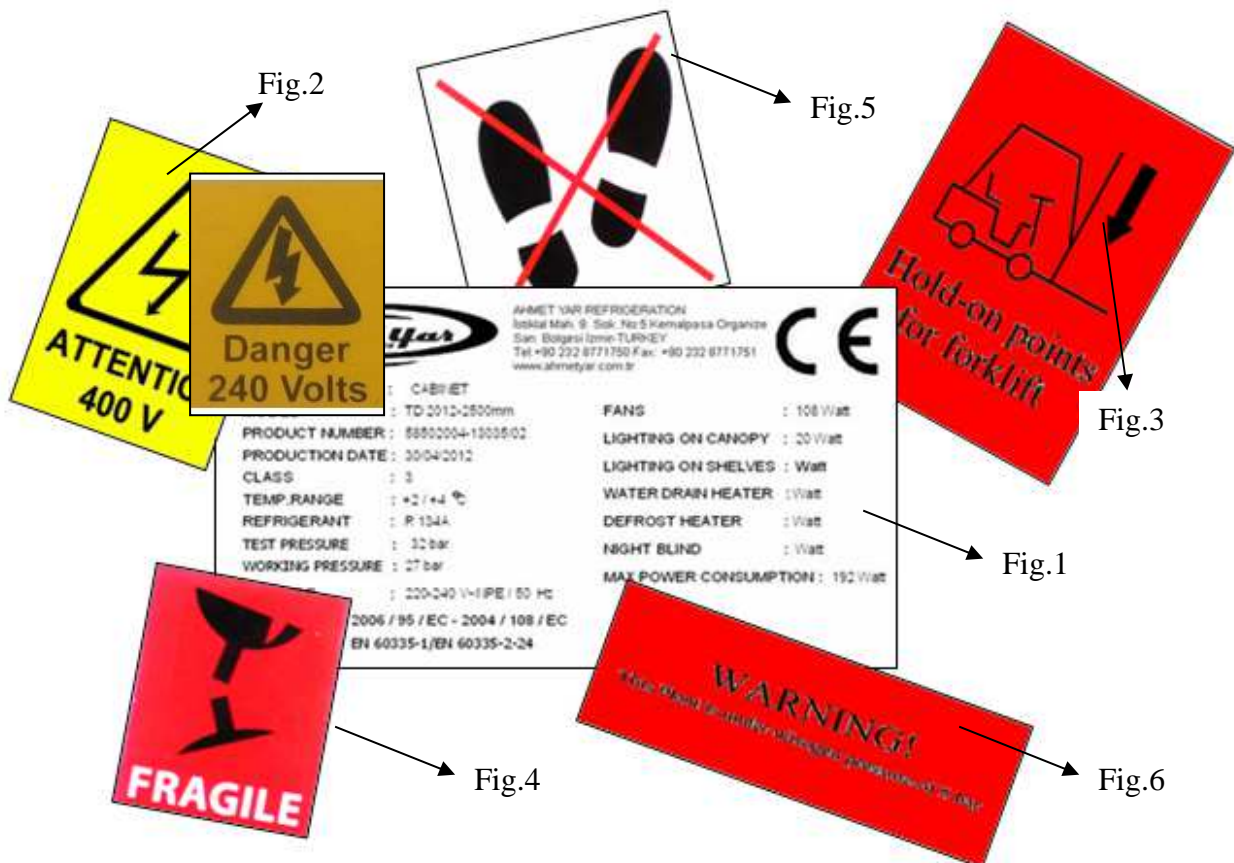
PATARA is a vertical type cooler designed as front door or without door and multi-rack. It is suitable for use in markets and hypermarkets with its high performance, wide display and loading capacity. It has been designed in 937mm, 1250mm, 1875mm, 2500mm, 2811mm and 3750mm length as modular.



#### 4. Warning and Specification Labels on the Appliance

The labels on the appliance and their general content (which may vary depending on the type and model of the appliance) are as follows.

- Product Introduction Label (Figure.1): The product introduction label is located inside the cabin and contains technical information about the appliance, such as: Manufacturer logo and address information, product certificate and manufacturer's quality certificates, appliance model, serial number, date of manufacture, climate class, temperature range, type of refrigerant used in the appliance, approved certificates of the appliance and the directives that the appliance conforms, test pressure, operating pressure, operating voltage values, power values for the evaporator fan power values for the lighting, power values for the night curtain, power values for the defrost resistors, power values for the frame resistors, power values for the glass resistors, etc.
- High Voltage Label (Figure.2): The high voltage label is on the appliance's electricity box.
- Transport Label (Fig.3): Pallets are installed on the refrigerators for transportation purposes. Forklift or pallet transport can be done thanks to these pallets. There is a label on the appliance indicating the parts that can be used for load bearing during transport. Transport shall be done so that the label in question coincides with the middle section of the forklift arms.
- Fragile Label (Figure.4): This label on the product means that there is a risk of breakage during transport. Care shall be taken to prevent any damage that may occur at this point.
- "Do not step on it" label (Figure.5): Located on the base of the appliance, over the pan.
- Pressure Label (Figure.6): The pressure label is located at the outlet of copper pipes. It is used for the determination of the amount of nitrogen.



## 5. Norms and Certificates

Norms used as reference and approved certificates of the appliance;  
EN 60204-1; EN 61439-1; EN 61439-2

ENVIRONMENTAL CLIMATIC ENVIRONMENT (EN 23953-2)

This appliance has been tested in accordance with Climatic Environment 3.

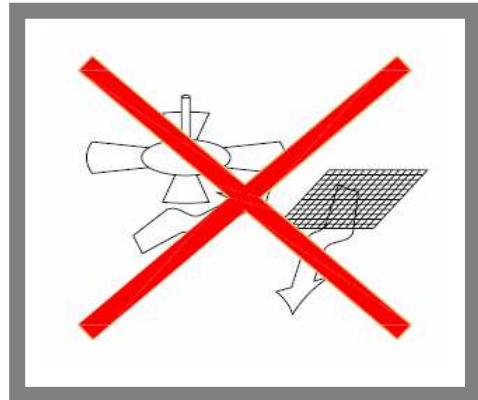
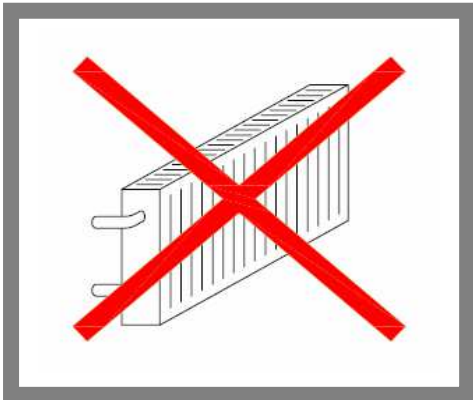
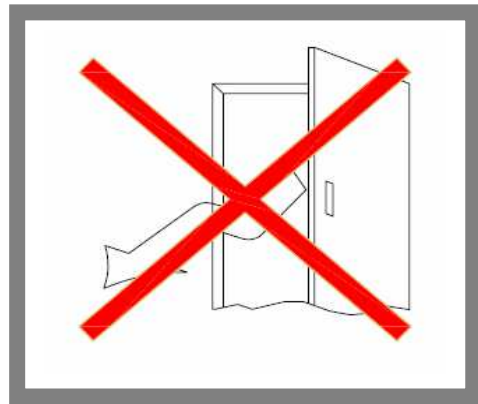
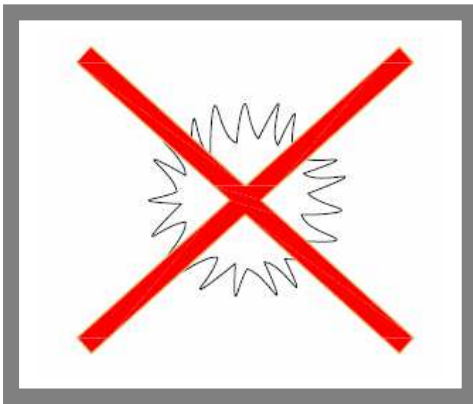
Climatic Environment	Dry Air Temperature	Relative Humidity	Dew Point
1	16°C	80%	12°C
2	22°C	65%	15°C
3	25°C	60%	17°C
4	30°C	55%	20°C
5	40°C	40%	24°C
6	27°C	70%	21°C

Directives to which the appliance is in conformity with: EEC 73/23 , EEC 98/37

## 6. Placement and environmental conditions

The following clauses shall be observed for the placement of the appliance.

- Do not place your appliance exposed to direct sunlight.
- Do not place your appliance in front of a door.
- Do not place your appliance near any heat source.
- Do not place your appliance in a place exposed to direct airflow, such as a fan, air conditioner etc.
- Do not place your appliance outdoors.
- Do not place your appliance near explosive gas sources.





## 7. Cleaning, Maintenance and Technical Service



**MAKE SURE THE REFRIGERATOR MAIN SWITCH IS OFF OR ELECTRIC PLUG IS NOT CONNECTED BEFORE ANY MAINTENANCE AND CLEANING**

Make sure that the packaging is not damaged when the appliance first arrived. Unpack without damaging the appliance. Make sure that no parts are damaged or are out of place. In case of any damage, call the supplier.

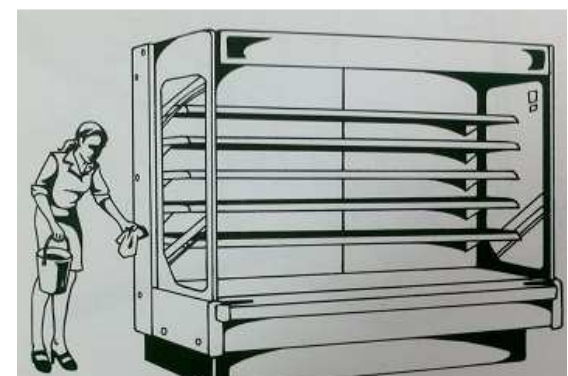
Maintenance and cleaning of your appliance is mandatory at certain time intervals. The cleaning shall be done by the user. Cleaning includes the cleaning of the internal and external surfaces of the appliance. Before cleaning your appliance, turn off the cooling and lighting switches and disconnect the power. Take the products inside the appliance out and store them at a place where they will not deteriorate during the cleaning process.



**DO NOT USE ABRASIVE SUBSTANCES, ALCOHOL, SODA OR CHEMICAL SOLVENTS AS CLEANING MATERIALS!**

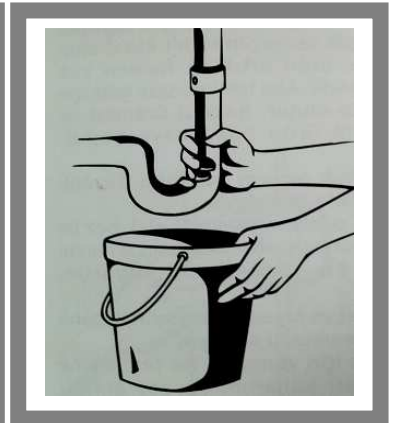
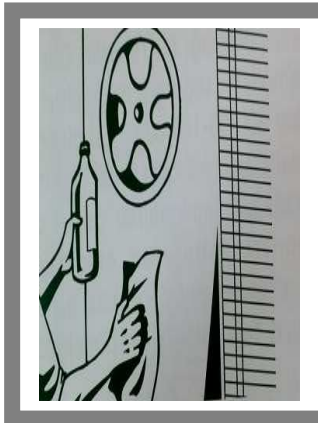
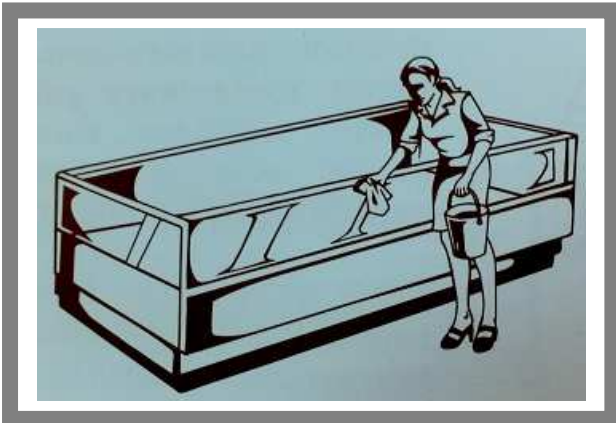
### A. External Cleaning (Daily/Weekly)

- Clean the outer parts of the cabinet weekly with detergent and warm water.
- Clean using a soft cloth and clean water.
- Do not use materials, abrasives, scrubbing wires or solvents which could damage the outer surface.
- Do not make contact with water or detergent on electrical parts of the appliance.
- Do not use alcohol to clean the plexiglass parts.



## B. Internal Cleaning (Monthly)

- Before cleaning the internal parts of the appliance, wait for the internal temperature to reach ambient temperature.
- Remove all removable parts (eg. pan, shelves, mesh wires, etc.), clean them with hygienic cleaners mixed with warm water and dry carefully.
- When cleaning the pans, make sure that foreign materials and dirt do not fall into the fans.
- Wipe the dirt from the evaporator section with a damp cloth, after cleaning the liquid and leftovers from the products.
- Disinfect the interior part of the appliance so that bad odors caused by decays and deterioration do not affect the products inside. When disinfecting the appliance, do not use substances which have a strong odor and may cause acidification.
- If the water drain is completely clogged, wash it with plenty of water without removing it. Repeat this process until you are sure that the water drain has been cleaned.
- In case of abnormal operation of the appliance during or after the cleaning process, please contact the authorized technical service.



**NEVER USE STEAM PRESSURE CLEANING TOOLS DURING THE CLEANING OF THE APPLIANCE. PRESSURED STEAM MAY LEAK INTO**



**DO NOT USE HOT WATER ON COLD GLASS SURFACES. THIS MAY CAUSE THE GLASS TO SHATTER AND CAUSE INJURIES!**

After cleaning, put back the products into your appliance and make sure that the fans, ceiling lights, electrical cables and all other electrical equipment are dry. Switch the lighting and cooling on.

### C. Technical Service

- Make sure that the ambient temperature and moisture are not outside the values specified. Therefore, make sure that the air conditioning and heater devices are fully operational inside the store.
- Make sure that the products are not exposed to direct sunlight.
- Isolate the windows of the store against solar rays.
- Do not point any spotlights directly on the appliance.
- Do not block the suction grilles in such a way to prevent air intake.
- Use the appliance only for storage of refrigerated products.
- Make sure the appliance cools continuously. Check the refrigerator twice a day.
- Load the appliance in accordance with the loading line, do not exceed the upper limit.
- When the appliance fails, immediately remove the products from the device.
- Replace any fallen screws or failed lights immediately.
- Periodically check the automatic defrost.
- Make sure there is no abnormal water condensation, if so, call the cooling technician immediately.
- Always perform periodic maintenance.

Appliances may malfunction even when they are maintained and cleaned properly. When you notice that the appliance is not working, follow the instructions below:

- Is the cooling switch on?
- Is everything normal in the cooling group's fuse box?
- Is the power on?

If the answer to the above questions is YES, there may be a problem with the appliance, cooling group or the installation. Contact the technical service immediately. Transfer the products in your refrigerator to another medium that prevents them from deteriorating, until the technical service arrives.

IN CASE OF GAS LEAK AND COMBUSTION; Do not stay in the room if there is no airflow. Unplug the appliance. DO NOT USE WATER TO EXTINGUISH THE FIRE. ONLY USE A FIRE EXTINGUISHER.



**IN CASE OF GAS LEAK AND COMBUSTION;  
DO NOT STAY IN THE ROOM IF THERE IS NO AIR FLOW. UNPLUG THE  
APPLIANCE. DO NOT USE WATER TO EXTINGUISH THE FIRE. ONLY USE**

## 8. Electrical Connections



BEFORE MAKING THE ELECTRICAL CONNECTIONS, CHECK THE ELECTRICAL DIAGRAM ON THE PILOT BOX AND MAKE THE

The following details shall be checked when electrical connections are made.

- Automatic switch and main switch which are protected against electric currents must be used for the appliance. In case of emergency, the user shall know where the easily accessible switch is located.
- The safety of your appliance can only be ensured if the protected cable system (earthing) is furnished in accordance with the rules. It is very important that this basic security measure is met. If in doubt, have a specialist examine the electrical installation.
- The maximum current fluctuation shall be  $\pm 6\%$ .
- The thickness of the cable for the power line must be at least  $2.5 \text{ mm}^2$  thick and it shall endure high current.
- The power line cable shall not be longer than 4-5m, the cable cross section shall be increased if a cable longer than that is necessary.
- Do not use an extension cord in any way on the electrical connection of the appliance.
- For the refrigerator to work properly, make sure that the temperature and humidity are in accordance with the values specified in EN441 and that the climate class is 3 (+ 25°C; R.H.60%)
- All work related to the electrical connection of the device and other electrical parts shall be carried out by an authorized and expert person with an electrical certificate.

## 9. Recycling

Each country separates and recycles refrigerator parts according to their waste disposal and environmental laws. Parts used in our products in general are as follows;

Painted sheets: Poles, shelves, shelf handles, back panel, pans.

Copper-Aluminum: Condenser, evaporator, electrical parts.

Galvanized sheets: Bottom panels, painted panels, simple pieces, pan.

Polyurethane: Thermal injection.

Thermopane: Glass parts.

PVC: Handles

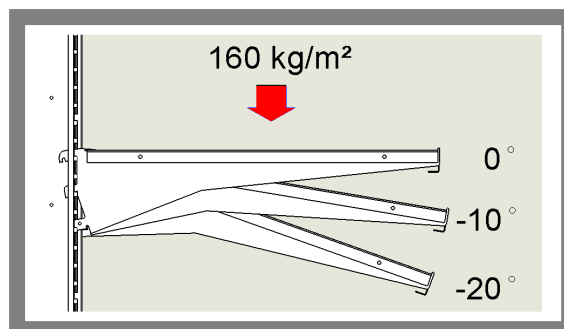
Polystyrene: Thermoform side walls.

Polycarbonate: Lighting cover.

## 10. Loading Products into the Refrigerator

Below are important information about loading the appliance.

- Place the products on the shelves neatly.
- Do not exceed the loading capacity in pans and shelves. (160 kg/ m<sup>2</sup>)
- Shelves can be used at different angles depending on the appliance type. (0°, 10°, 20°)
- Do not leave space between products loaded on the same shelf in appliances with shelves.
- Leave a minimum of 30mm space for air circulation between the upper shelf and the product in shelved appliances.
- Do the loading appropriately considering the product consumption rates.
- Do not load products anywhere other than shelves and pans.
- Do not install products that are not allowed to be cooled into your appliance.
- Do not load the appliance in a way that can prevent the cold air flow. (E.g. Air intake area)



11. Technical Details

		PATARA TECHNICAL DATA SHEET						
		TECHNICAL DETAILS	937	1250	1875	2500	2811	3750
<b>Refrigeration Load</b>								
Case Temp ( °C)	D/DL	+2/+4						
	M/ML	0/+2						
	FV/FVL	+6/+8						
Evap Temp ( °C)	-11							
Duty (kW) without cover	D/DL	1,27	1,69	2,54	3,38	3,80	5,07	2,54
	M/ML	1,50	2,00	3,00	4,00	4,50	6,00	3,00
	FV/FVL	1,12	1,50	2,25	3,00	3,37	4,50	2,25
Duty (kW) with cover	D/DL	0,81	1,08	1,61	2,15	2,42	3,23	1,61
	M/ML	0,81	1,08	1,61	2,15	2,42	3,23	1,61
	FV/FVL	0,67	0,90	1,35	1,80	2,02	2,70	1,35
Expansion Valve (R404) without cover	D/DL	TES2 Or.00 AKV 10-2	TES2 Or.01 AKV 10-3	TES2 Or.02 AKV 10-4	TES2 Or.03 AKV 10-5	TES2 Or.03 AKV 10-5	TES2 Or.04 AKV 10-5	TES2 Or.02 AKV 10-4
	M/ML	TES2 Or.01 AKV 10-3	TES2 Or.01 AKV 10-3	TES2 Or.02 AKV 10-4	TES2 Or.03 AKV 10-5	TES2 Or.03 AKV 10-5	TES2 Or.04 AKV 10-6	TES2 Or.02 AKV 10-4
	FV/FVL	TES2 Or.00 AKV 10-2	TES2 Or.01 AKV 10-3	TES2 Or.02 AKV 10-4	TES2 Or.02 AKV 10-4	TES2 Or.03 AKV 10-4	TES2 Or.03 AKV 10-5	TES2 Or.02 AKV 10-4
Expansion Valve (R404) with cover	D/DL	TES2 Or.00 AKV 10-1	TES2 Or.00 AKV 10-2	TES2 Or.01 AKV 10-3	TES2 Or.02 AKV 10-3	TES2 Or.02 AKV 10-4	TES2 Or.03 AKV 10-4	TES2 Or.01 AKV 10-3
	M/ML	TES2 Or.00 AKV 10-1	TES2 Or.00 AKV 10-2	TES2 Or.01 AKV 10-3	TES2 Or.02 AKV 10-3	TES2 Or.02 AKV 10-4	TES2 Or.03 AKV 10-4	TES2 Or.01 AKV 10-3
	FV/FVL	TES2 Or.00 AKV 10-1	TES2 Or.00 AKV 10-2	TES2 Or.01 AKV 10-2	TES2 Or.01 AKV 10-3	TES2 Or.01 AKV 10-3	TES2 Or.02 AKV 10-4	TES2 Or.01 AKV 10-2
Pipe Size - Suction	D/DL	19 mm	19 mm	19 mm	19 mm	19 mm	22 mm	19 mm
	M/ML	19 mm	19 mm	19 mm	19 mm	19 mm	22 mm	19 mm
	FV/FVL	19 mm	19 mm	19 mm	19 mm	19 mm	22 mm	19 mm
Pipe Size - Liquid	10 mm							
Pipe Size - Drain	40 mm							
Display Area (m <sup>2</sup> )	80 D	1,99	2,65	3,98	5,30	5,96	7,95	1,99
	80 M	1,61	2,15	3,23	4,30	4,83	6,45	1,61
	80 DL	2,36	3,15	4,73	6,30	7,08	9,45	2,36
	80 ML	1,99	2,65	3,98	5,30	5,96	7,95	1,99
	80 FV	0,86	1,15	1,73	2,30	2,59	3,45	0,86
	80 FVL	1,24	1,65	2,48	3,30	3,71	4,95	1,24
	90 D	2,07	2,76	4,13	5,51	6,20	8,27	2,07
	90 M	1,69	2,26	3,38	4,51	5,07	6,77	1,69
	90 DL	2,44	3,26	4,88	6,51	7,32	9,77	2,44
	90 ML	2,07	2,76	4,13	5,51	6,20	8,27	2,07
	90 FV	0,94	1,26	1,88	2,51	2,83	3,77	0,94
	90 FVL	1,32	1,76	2,63	3,51	3,95	5,27	1,32
	100 D	2,53	3,38	5,07	6,76	7,60	10,14	2,53
	100 M	2,07	2,76	4,13	5,51	6,20	8,27	2,07
	100 DL	3,00	4,01	6,01	8,01	9,01	12,02	3,00
	100 ML	2,53	3,38	5,07	6,76	7,60	10,14	2,53
	100 FV	1,13	1,51	2,26	3,01	3,39	4,52	1,13
	100 FVL	1,60	2,13	3,20	4,26	4,79	6,39	1,60
110 D	3,00	4,01	6,01	8,01	9,01	12,02	3,00	
110 M	2,44	3,26	4,88	6,51	7,32	9,77	2,44	
110 DL	3,57	4,76	7,13	9,51	10,70	14,27	3,57	
110 ML	3,00	4,01	6,01	8,01	9,01	12,02	3,00	
110 FV	1,32	1,76	2,63	3,51	3,95	5,27	1,32	
110 FVL	1,88	2,51	3,76	5,01	5,64	7,52	1,88	
<b>Defrost Details</b>								
Defrost Type	D/DL/FV/FVL	Air						
	M/ML	Electric						
Duration (minutes)	3 x 30 min.							
Termination	Temp							
<b>Defrost Heaters</b>								
Evaporator (Coil)	-	-	-	-	-	-	-	-
Frame	-	-	-	-	-	-	-	-
Doors	-	-	-	-	-	-	-	-
Front Glass	-	-	-	-	-	-	-	-
Side Glass	-	-	-	-	-	-	-	-
End Walls	-	-	-	-	-	-	-	-
Body	-	-	-	-	-	-	-	-
Water Drain	-	-	-	-	-	-	-	-
Air Return	-	-	-	-	-	-	-	-
Air Intake	-	-	-	-	-	-	-	-

	<b>PATARA TECHNICAL DATA SHEET</b>						
	TECHNICAL DETAILS	937	1250	1875	2500	2811	3750

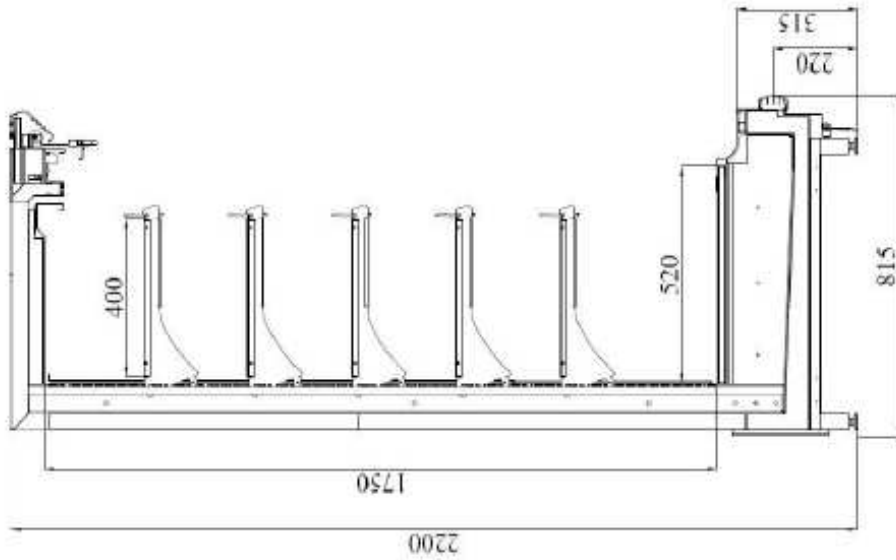
Electrical / Fans								
Supply								
230 V / 50 Hz								
Lighting (T5)		1 x 21W	1 x 28W	2 x 21W	2 x 28W	3 x 21W	3 x 28W	2 x 21W
Lighting (T8)		1 x 18W	1 x 36W	1 x 18W + 1 x 36W	2 x 36W	2 x 18W + 1 x 36W	3 x 36W	1 x 18W + 1 x 36W
Evaporator Fans (Standard / Energy Saving)	80 D	1 x 38W / (24W)	2 x 38W / (24W)	3 x 38W / (24W)	4 x 38W / (24W)	4 x 38W / (24W)	6 x 38W / (24W)	3 x 38W / (24W)
	80 DL	1 x 38W / (24W)	2 x 38W / (24W)	3 x 38W / (24W)	4 x 38W / (24W)	4 x 38W / (24W)	6 x 38W / (24W)	3 x 38W / (24W)
	80 M	1 x 38W / (24W)	2 x 38W / (24W)	3 x 38W / (24W)	4 x 38W / (24W)	4 x 38W / (24W)	6 x 38W / (24W)	3 x 38W / (24W)
	80 ML	1 x 38W / (24W)	2 x 38W / (24W)	3 x 38W / (24W)	4 x 38W / (24W)	4 x 38W / (24W)	6 x 38W / (24W)	3 x 38W / (24W)
	80 FV	1 x 38W / (24W)	2 x 38W / (24W)	3 x 38W / (24W)	4 x 38W / (24W)	4 x 38W / (24W)	6 x 38W / (24W)	3 x 38W / (24W)
	80 FVL	1 x 38W / (24W)	2 x 38W / (24W)	3 x 38W / (24W)	4 x 38W / (24W)	4 x 38W / (24W)	6 x 38W / (24W)	3 x 38W / (24W)
	90 D	1 x 38W / (24W)	1 x 38W / (24W)	2 x 38W / (24W)	2 x 38W / (24W)	2 x 38W / (24W)	3 x 38W / (24W)	2 x 38W / (24W)
	90 DL	1 x 38W / (24W)	1 x 38W / (24W)	2 x 38W / (24W)	3 x 38W / (24W)	3 x 38W / (24W)	4 x 38W / (24W)	2 x 38W / (24W)
	90 M	1 x 38W / (24W)	1 x 38W / (24W)	2 x 38W / (24W)	3 x 38W / (24W)	3 x 38W / (24W)	4 x 38W / (24W)	2 x 38W / (24W)
	90 ML	1 x 38W / (24W)	1 x 38W / (24W)	3 x 38W / (24W)	3 x 38W / (24W)	3 x 38W / (24W)	4 x 38W / (24W)	3 x 38W / (24W)
	90 FV	1 x 38W / (24W)	1 x 38W / (24W)	2 x 38W / (24W)	2 x 38W / (24W)	2 x 38W / (24W)	3 x 38W / (24W)	2 x 38W / (24W)
	90 FVL	1 x 38W / (24W)	1 x 38W / (24W)	2 x 38W / (24W)	3 x 38W / (24W)	3 x 38W / (24W)	4 x 38W / (24W)	2 x 38W / (24W)
	100 D	1 x 38W / (24W)	1 x 38W / (24W)	2 x 38W / (24W)	2 x 38W / (24W)	2 x 38W / (24W)	4 x 38W / (24W)	2 x 38W / (24W)
	100 DL	1 x 38W / (24W)	1 x 38W / (24W)	2 x 38W / (24W)	3 x 38W / (24W)	3 x 38W / (24W)	4 x 38W / (24W)	2 x 38W / (24W)
	100 M	1 x 38W / (24W)	1 x 38W / (24W)	2 x 38W / (24W)	3 x 38W / (24W)	3 x 38W / (24W)	4 x 38W / (24W)	2 x 38W / (24W)
	100 ML	1 x 38W / (24W)	2 x 38W / (24W)	3 x 38W / (24W)	3 x 38W / (24W)	3 x 38W / (24W)	4 x 38W / (24W)	3 x 38W / (24W)
	100 FV	1 x 38W / (24W)	1 x 38W / (24W)	2 x 38W / (24W)	2 x 38W / (24W)	2 x 38W / (24W)	4 x 38W / (24W)	2 x 38W / (24W)
	100 FVL	1 x 38W / (24W)	1 x 38W / (24W)	2 x 38W / (24W)	3 x 38W / (24W)	3 x 38W / (24W)	4 x 38W / (24W)	2 x 38W / (24W)
	110 D	1 x 38W / (24W)	1 x 38W / (24W)	2 x 38W / (24W)	3 x 38W / (24W)	3 x 38W / (24W)	4 x 38W / (24W)	2 x 38W / (24W)
	110 DL	1 x 38W / (24W)	1 x 38W / (24W)	2 x 38W / (24W)	3 x 38W / (24W)	3 x 38W / (24W)	4 x 38W / (24W)	2 x 38W / (24W)
110 M	1 x 38W / (24W)	1 x 38W / (24W)	2 x 38W / (24W)	3 x 38W / (24W)	3 x 38W / (24W)	4 x 38W / (24W)	2 x 38W / (24W)	
110 ML	1 x 38W / (24W)	2 x 38W / (24W)	3 x 38W / (24W)	3 x 38W / (24W)	3 x 38W / (24W)	5 x 38W / (24W)	3 x 38W / (24W)	
110 FV	1 x 38W / (24W)	1 x 38W / (24W)	2 x 38W / (24W)	3 x 38W / (24W)	3 x 38W / (24W)	4 x 38W / (24W)	2 x 38W / (24W)	
110 FVL	1 x 38W / (24W)	1 x 38W / (24W)	2 x 38W / (24W)	3 x 38W / (24W)	3 x 38W / (24W)	4 x 38W / (24W)	2 x 38W / (24W)	
80 D/DL/M/ML					Ø200 / m:22"			
90/100/110 D/DL/M/ML					Ø230 / m:28"			

Cabinet Controller Setup	
The cabinet was fitted with Danfoss EKCS148 controller utilizing five PT1000 probes located as follows	
S1 Evaporator Inlet	
S2 Evaporator Inlet	
S3 Return Air	
S4 Supply Air	
S5 Defrost Termination	
The cabinet controls on the air off probe (S4)	
Parameter	Settings
Case control set point	
Differential	
r15	
r16	
r17	
A03	
A12	
A13	
A33	
d02	N/A
d03	
d04	
d06	
d07	
d09	
o01	
o17	
o29	

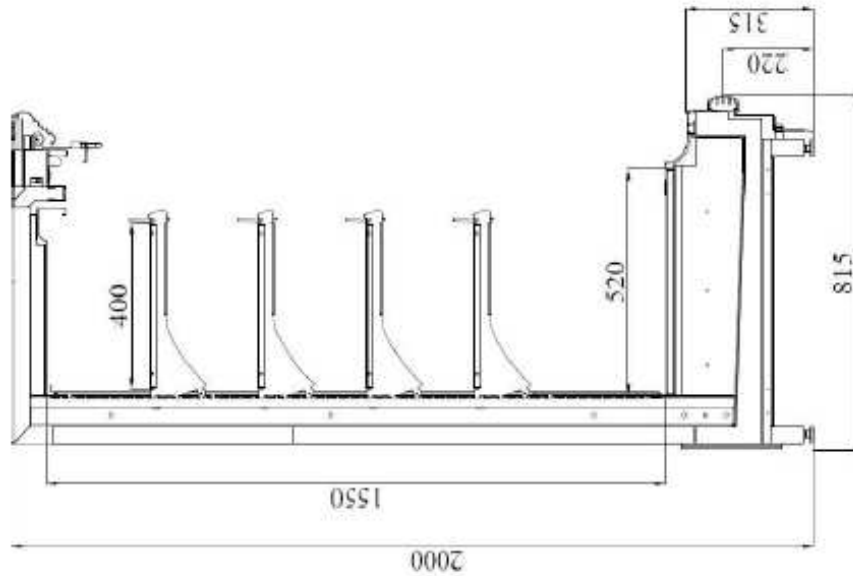
Design Conditions			
Temp (°C)	25	Humidity (%)	60
		Cross Draft Air Speed (m/s)	0,2

	TECHNICAL DOCUMENTATION	CHAPTER REVISION STATUS					
		ORD.	DATE	CHANGE ORDER	ORD.	DATE	CHANGE ORDER
PRODUCT	PATARA	A			D		
DATE of 1st ISSUE	10.12.2012	B			E		
ORDER	M. DEMIRGÜNES	C			F		

PATARA TECHNICAL DRAWINGS



PATARA 80 DL



PATARA 80 D



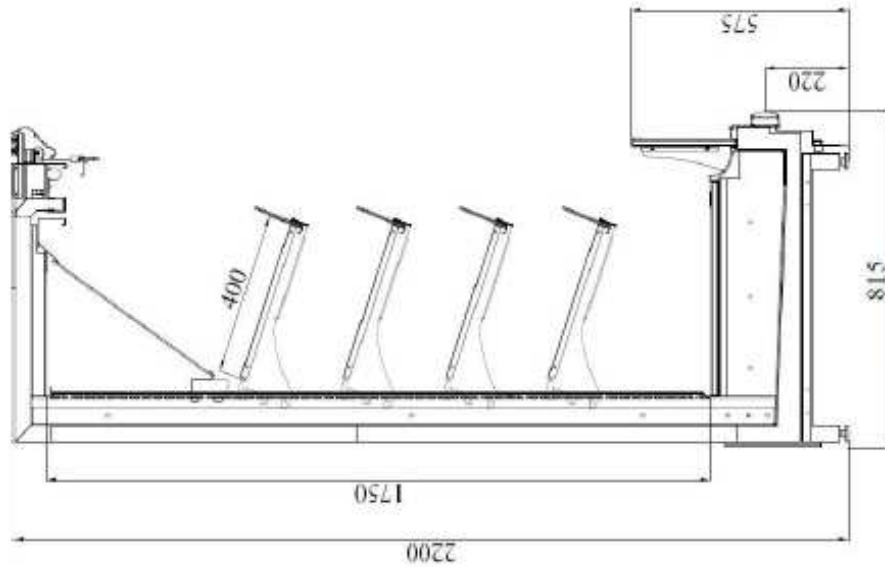
Chapter Revision Status

TECHNICAL DOCUMENTATION		CHANGE ORDER	
ORD.	DATE	ORD.	DATE
A		D	
B		E	
C		F	

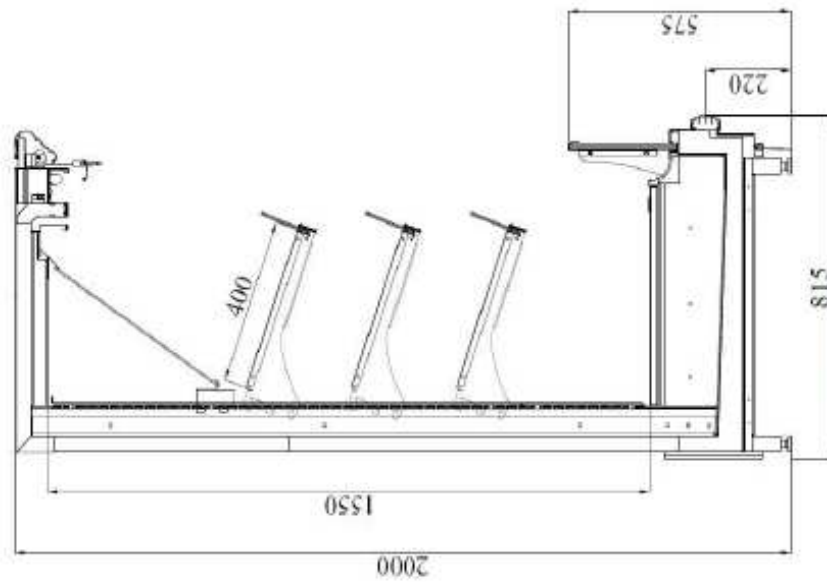
PRODUCT	PATARA 80
DATE of ISSUE	10.12.2012
ORDER	M. DEMIRGÜNES



PATARA TECHNICAL DRAWINGS



PATARA 80 ML



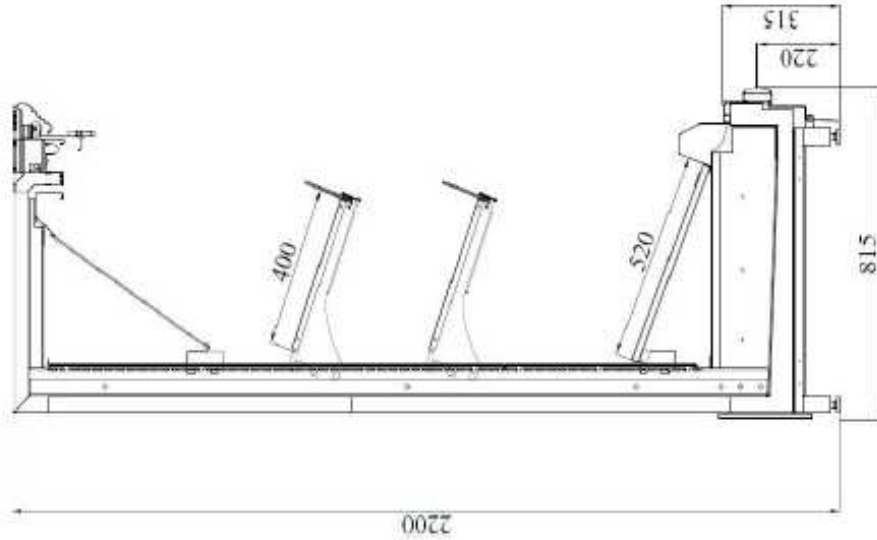
PATARA 80 M



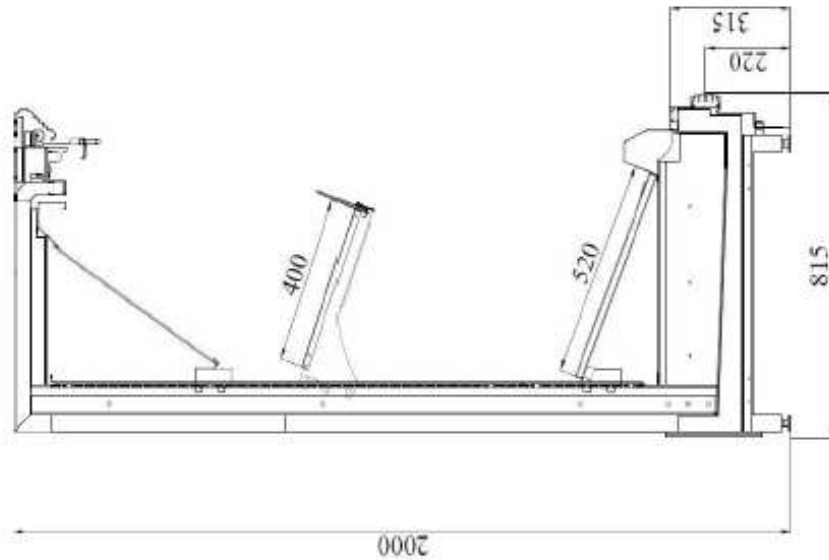
Chapter Revision Status

TECHNICAL DOCUMENTATION		ORD.	DATE	CHANGE ORDER	
PRODUCT	PATARA 80	A.			
DATE OF ISSUE	10.12.2012	B.			
ORDER	M. DEMIRGÜNES	C.			
		D.			
		E.			
		F.			

PATARA TECHNICAL DRAWINGS



PATARA 80 FVL



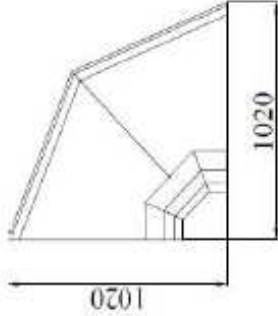
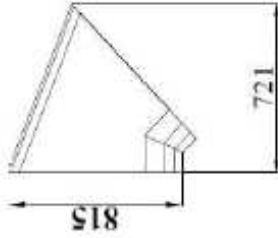
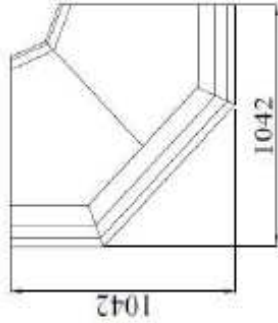
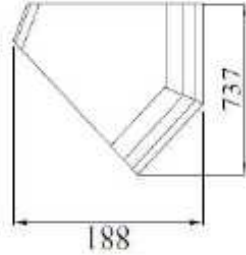

PATARA 80 FV



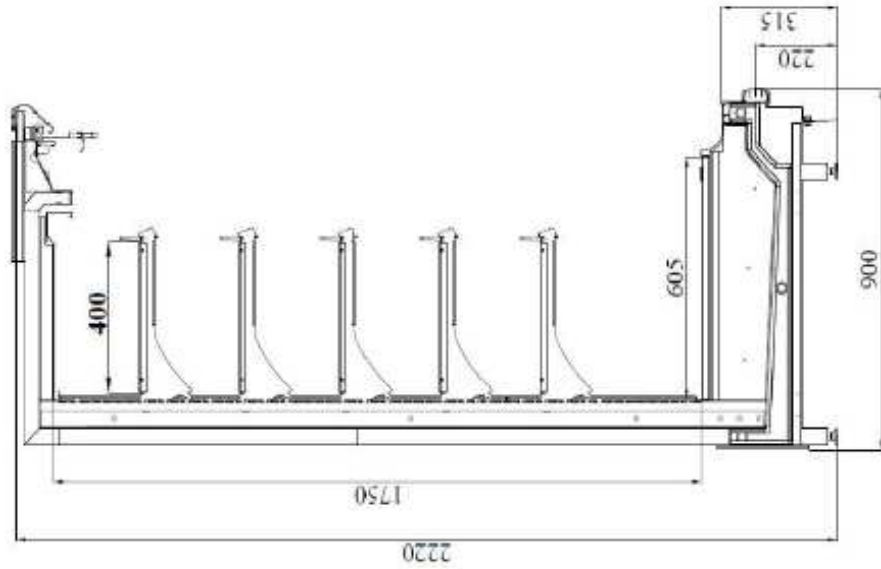
Chapter Revision Status

TECHNICAL DOCUMENTATION		CHANGE ORDER	
ORD.	DATE	ORD.	DATE
A		D	
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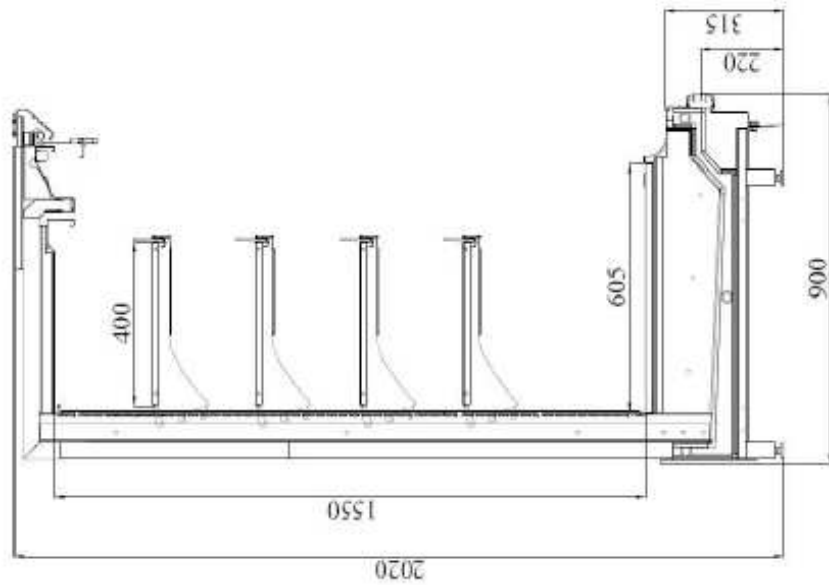
PRODUCT	PATARA 80
DATE of 1st ISSUE	10.12.2012
ORDER	M. DEMIRGINES

PATARA TECHNICAL DRAWINGS		Chapter Revision Status																																									
																																											
<p>90° İç Köşe 90° Internal Corner</p>	<p>45° İç Köşe 45° Internal Corner</p>	<p>90° Dış Köşe 90° External Corner</p>	<p>45° Dış Köşe 45° External Corner</p>																																								
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>TECHNICAL DOCUMENTATION</th> <th>ORD.</th> <th>DATE</th> <th>CHANGE ORDER</th> </tr> </thead> <tbody> <tr> <td>PROJECT</td> <td>A</td> <td></td> <td></td> </tr> <tr> <td>DATE of ISSUE</td> <td>B</td> <td></td> <td></td> </tr> <tr> <td>ORDER</td> <td>C</td> <td></td> <td></td> </tr> <tr> <td></td> <td>D</td> <td></td> <td></td> </tr> <tr> <td></td> <td>E</td> <td></td> <td></td> </tr> <tr> <td></td> <td>F</td> <td></td> <td></td> </tr> </tbody> </table>		TECHNICAL DOCUMENTATION	ORD.	DATE	CHANGE ORDER	PROJECT	A			DATE of ISSUE	B			ORDER	C				D				E				F			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CHANGE ORDER</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>	CHANGE ORDER	DATE										
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CHANGE ORDER	DATE																																										

PATARA TECHNICAL DRAWINGS



PATARA 90 DL



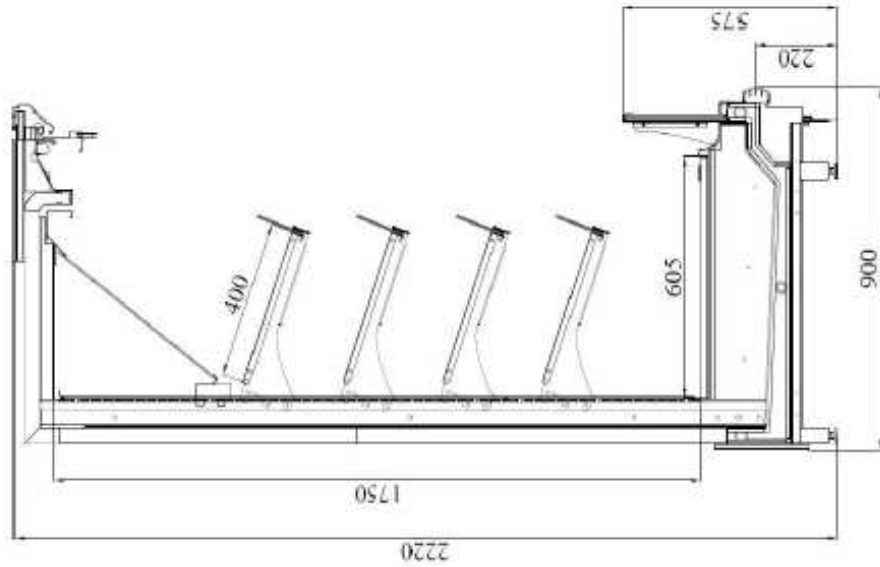
PATARA 90 D



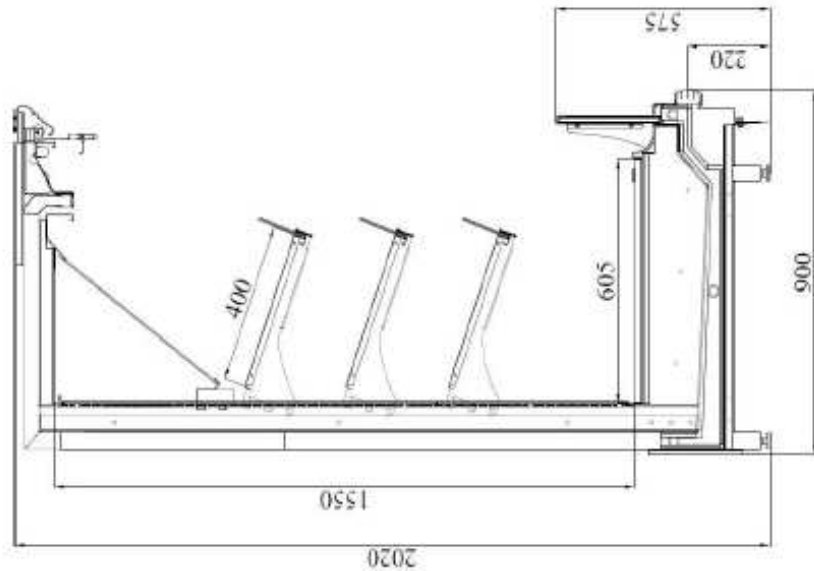
Chapter Revision Status

TECHNICAL DOCUMENTATION		CHANGE ORDER		CHANGE ORDER	
PRODUCT	ORD.	DATE	ORD.	DATE	ORD.
PATARA 90	A		D		
DATE OF THIS ISSUE	B		E		
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PATARA TECHNICAL DRAWINGS



PATARA 90 ML



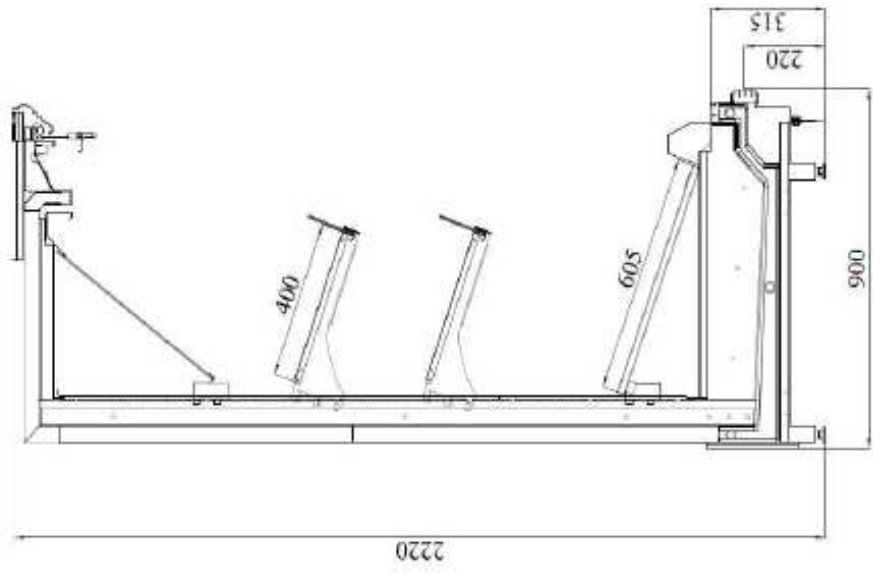
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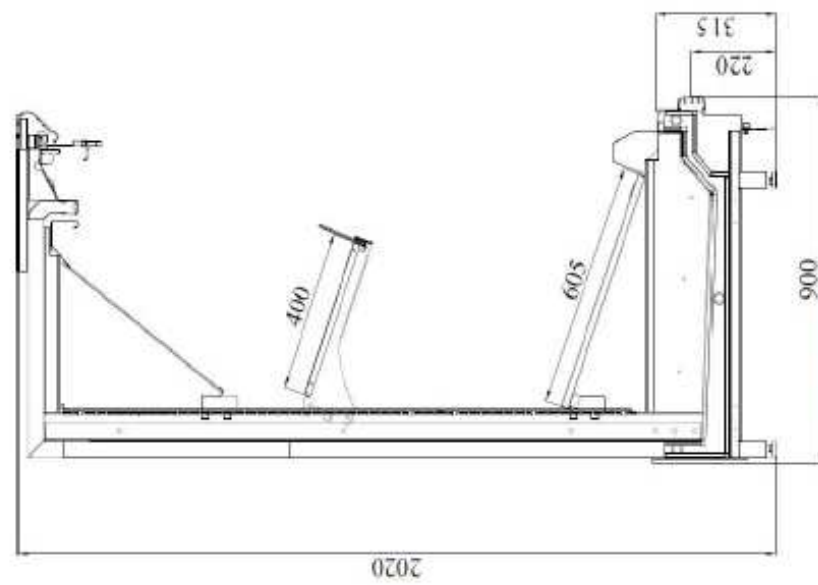
Chapter Revision Status

TECHNICAL DOCUMENTATION		CHANGE ORDER		CHANGE ORDER	
PRODUCT	DATE OF 1st ISSUE	ORD.	DATE	ORD.	DATE
PATARA 90	10.12.2012	A.		D	
ORDER	M. DEMIRGÜNES	B		E	
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PATARA TECHNICAL DRAWINGS



PATARA 90 FVL

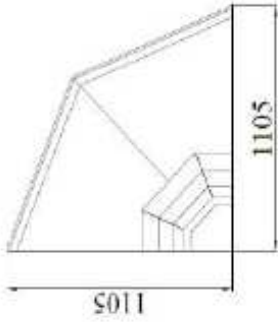
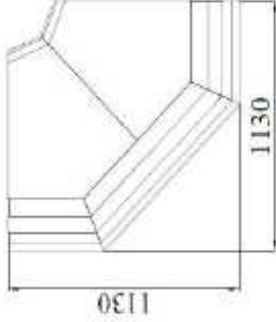
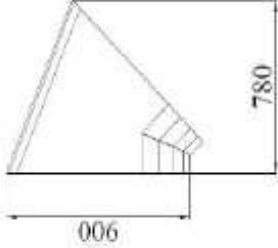
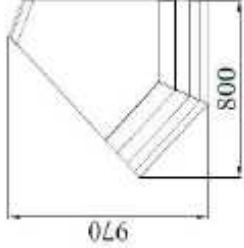




PATARA 90 FV

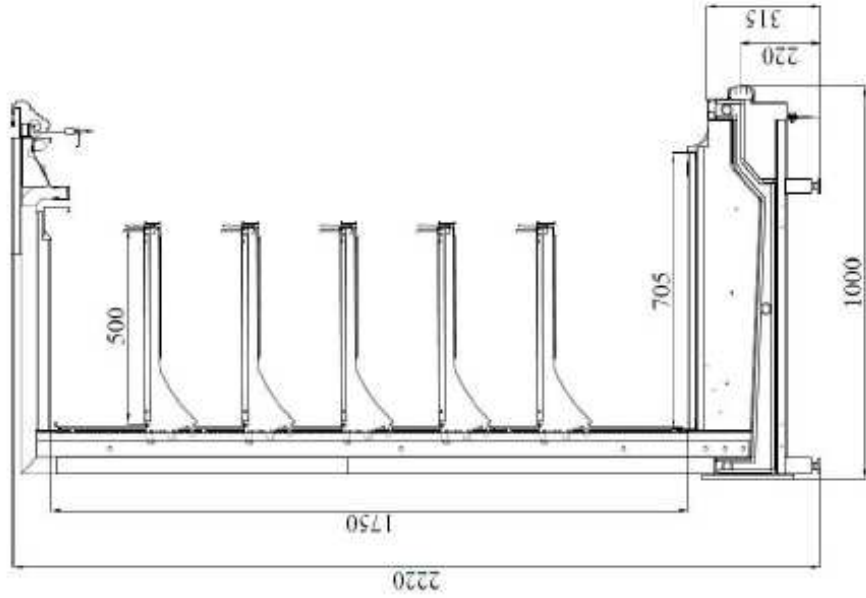


Chapter Revision Status

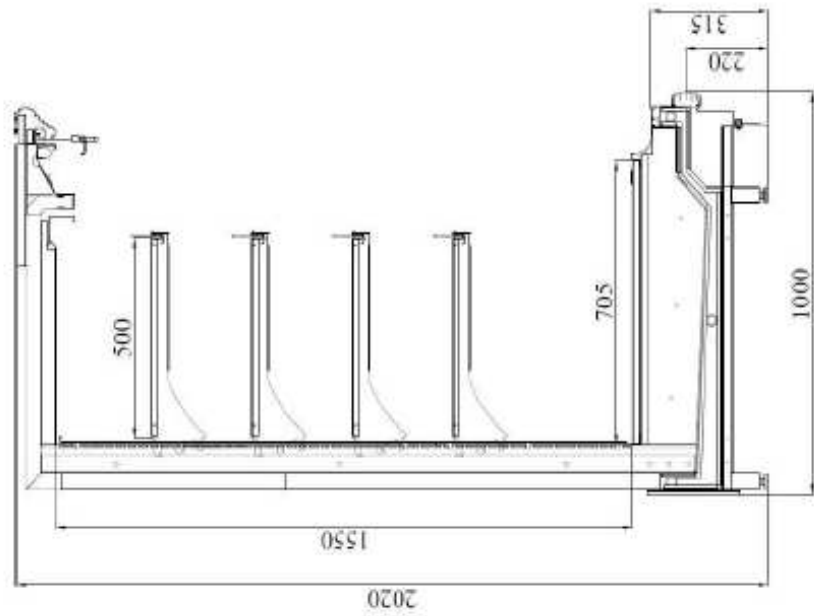
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PRODUCT	PATARA 90	A.		D.	
DATE of 1st ISSUE	10.12.2012	B.		E.	
ORDER	M. DEMIRGÜNES	C.		F.	
					CHANGE ORDER

PATARA TECHNICAL DRAWINGS		Chapter Revision Status				
 <p>90° İç Köşe 90° Internal Corner</p>	 <p>90° Dış Köşe 90° External Corner</p>	 <p>45° İç Köşe 45° Internal Corner</p>	 <p>45° Dış Köşe 45° External Corner</p>	ORD.	DATE	CHANGE ORDER
				A		
				B		
				C		
						
TECHNICAL DOCUMENTATION PATARA 90° CORNERS 10.12.2012 M. DEMİRGÜLSES				CHANGE ORDER D E F		
İKİ ÜRÜN 10.12.2012 M. DEMİRGÜLSES				CHANGE ORDER D E F		

PATARA TECHNICAL DRAWINGS



PATARA 100 DL



PATARA 100 D

Chapter Revision Status

TECHNICAL DOCUMENTATION		CHANGE ORDER	
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C		F	

PRODUCT	PATARA 100
DATE of ISSUE	10.12.2012
ORDER	M. DEMIRGÜNES



PATARA TECHNICAL DRAWINGS

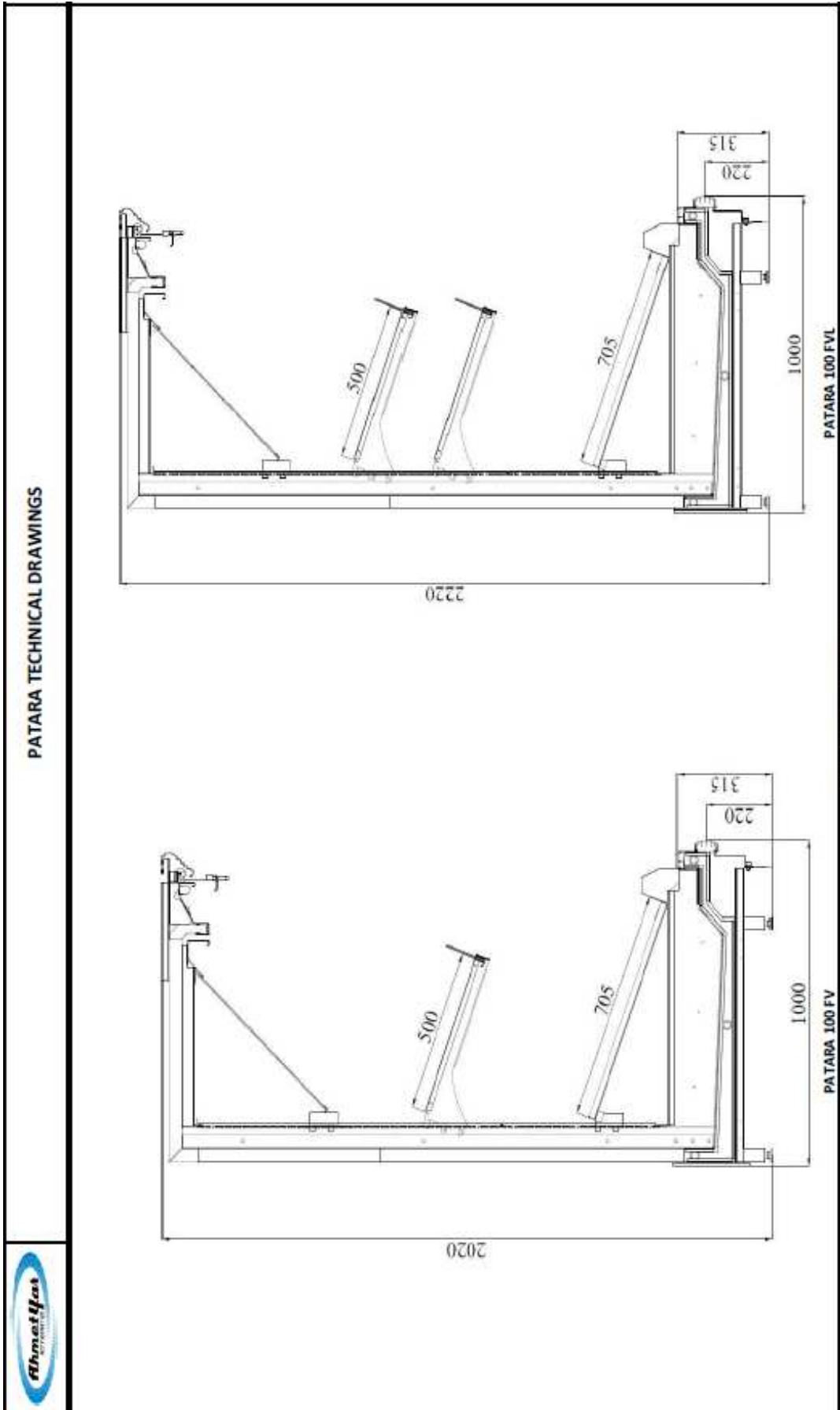
PATARA 100 M

PATARA 100 ML

TECHNICAL DOCUMENTATION		Chapter Revision Status	
ORD.	DATE	ORD.	DATE
A		D	
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	TECHNICAL DOCUMENTATION PATARA 100 10.12.2012 M. DEMIRGÜLSES	CHANGE ORDER CHANGE ORDER
ORDER DATE of ISSUE	PATARA 100 10.12.2012	CHANGE ORDER CHANGE ORDER

PATARA TECHNICAL DRAWINGS



PATARA 100 FVL


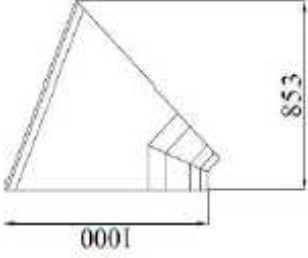
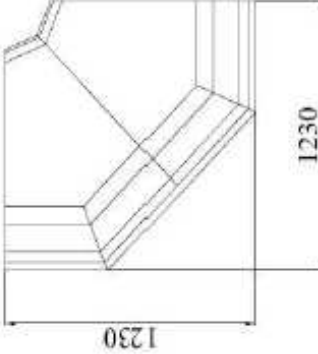
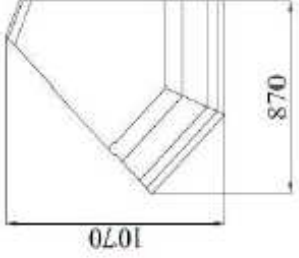


PATARA 100 FV

Chapter Revision Status

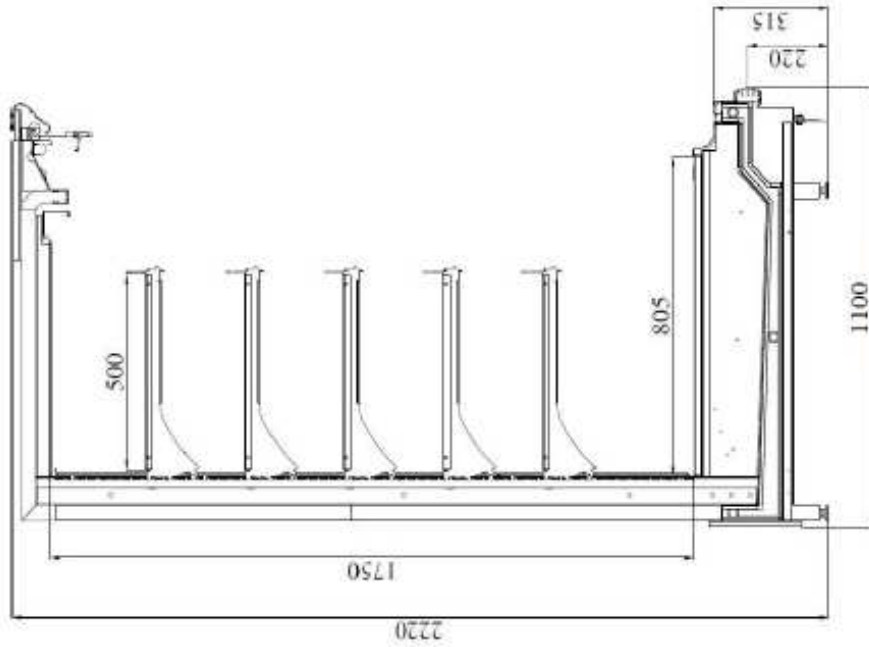
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ORD.	DATE	ORD.	DATE
A		D	
B		E	
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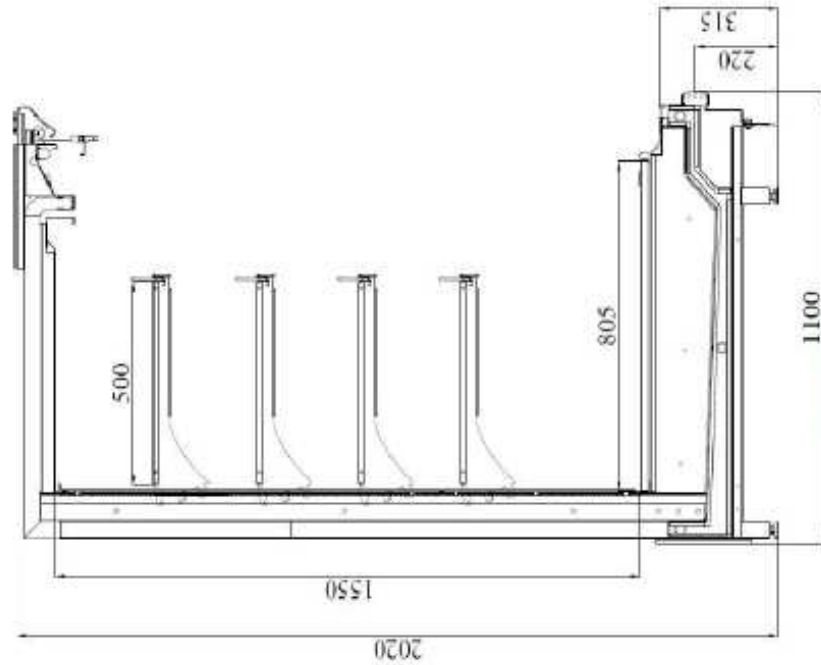
PRODUCT	PATARA 100
DATE OF 1st ISSUE	10.12.2012
ORDER	M. DEMIRGÜNES

PATARA TECHNICAL DRAWINGS		Chapter Revision Status	
 <p>1205 1205</p>	<p>90° İç Köşe 90° Internal Corner</p>	 <p>1000 853</p>	<p>45° İç Köşe 45° Internal Corner</p>
 <p>1230 1230</p>	<p>90° Dış Köşe 90° External Corner</p>	 <p>1070 870</p>	<p>45° Dış Köşe 45° External Corner</p>
			
<p>TECHNICAL DOCUMENTATION</p>		<p>CHANGE ORDER</p>	
<p>PR. ÜRÜNÜ</p>	<p>PATARA 100' CORNER IS</p>	<p>ORD.</p>	<p>CHANGE ORDER</p>
<p>DATE of 1st ISSUE</p>	<p>10.12.2012</p>	<p>DATE</p>	<p>DATE</p>
<p>ORDER</p>	<p>M. DEMİRGÜNES</p>	<p>ORD.</p>	<p>CHANGE ORDER</p>
<p>A</p>	<p>B</p>	<p>D</p>	<p>E</p>
<p>C</p>	<p>F</p>	<p>F</p>	<p>F</p>

PATARA TECHNICAL DRAWINGS



PATARA 110 DL



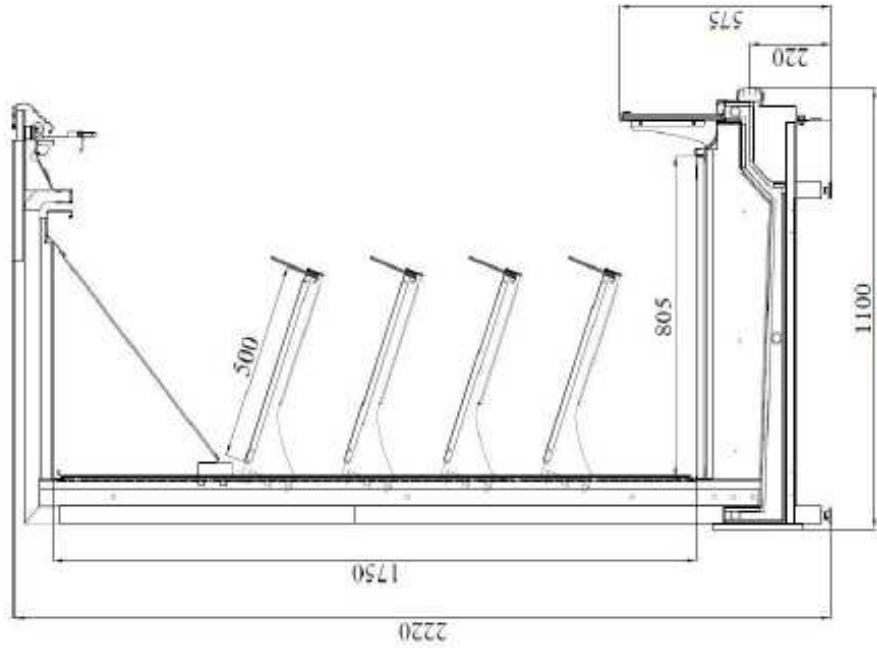
PATARA 110 D



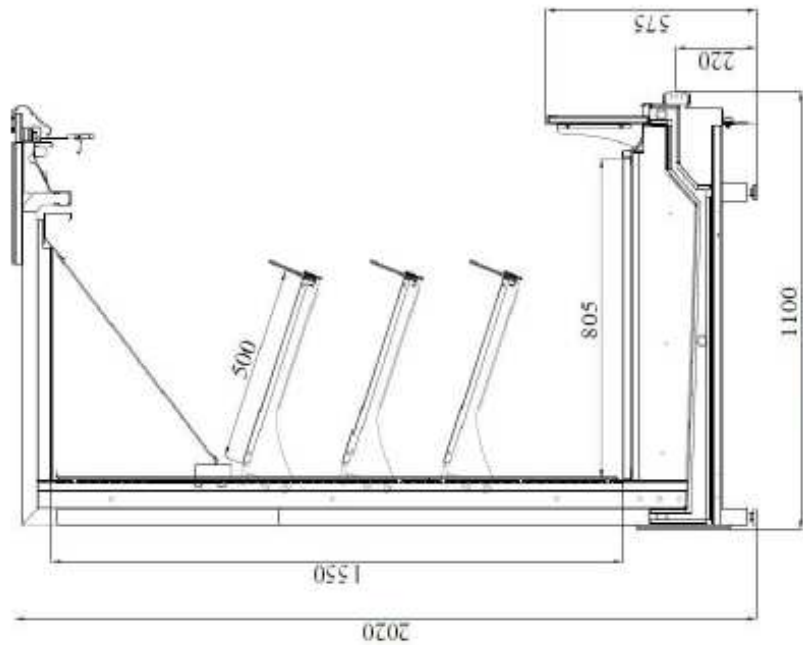
Chapter Revision Status

TECHNICAL DOCUMENTATION		CHANGE ORDER		CHANGE ORDER	
PRODUCT	ORD.	DATE	ORD.	DATE	
PATARA 110	A		D		
DATE of 1st ISSUE	B		E		
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PATARA TECHNICAL DRAWINGS



PATARA 100 ML



PATARA 110 M




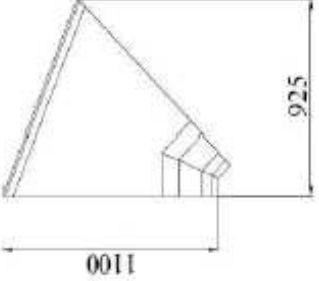
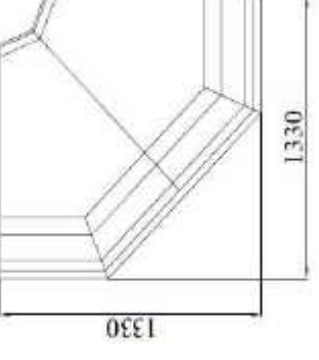
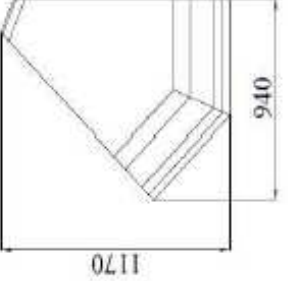

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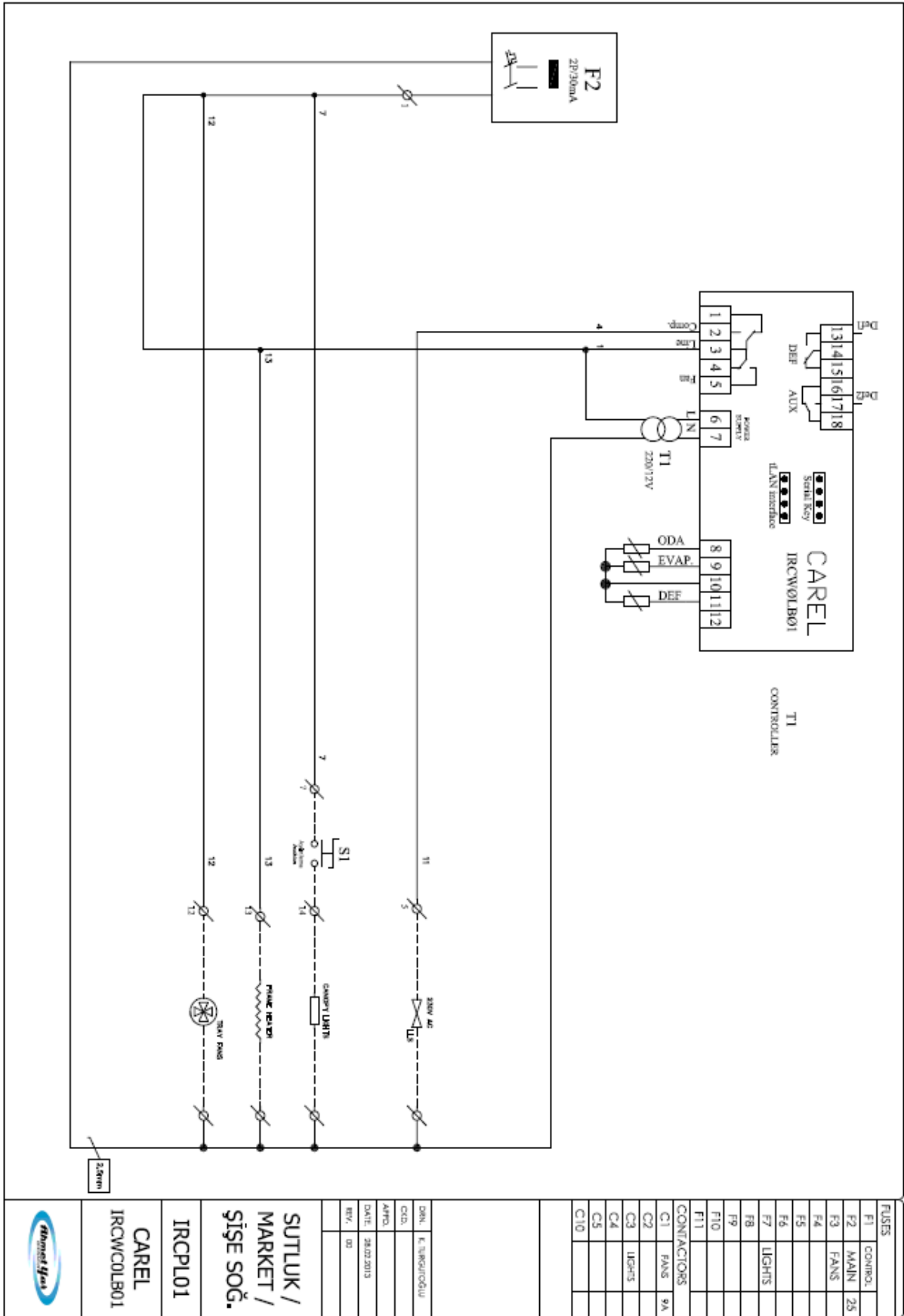
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PRODUCT	PATARA 110	A.		D.	
DATE of 1st ISSUE	10.12.2012	B.		E.	
ORDER	M. DEMIRGÜNES	C.		F.	

PATARA TECHNICAL DRAWINGS

Chapter Revision Status

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PRODUCT	PATARA 110	A			
DATE of 1st ISSUE	10.12.2012	B			
ORDER	M. DEMIRGÜNES	C			
		D			
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		F			

PATARA TECHNICAL DRAWINGS		Chapter Revision Status	
 <p>1305 1305</p>	<p>90° İç Köşe 90° Internal Corner</p>	 <p>1100 925</p>	<p>45° İç Köşe 45° Internal Corner</p>
 <p>1330 1330</p>	<p>90° Dış Köşe 90° External Corner</p>	 <p>1170 940</p>	<p>45° Dış Köşe 45° External Corner</p>
	<p>TECHNICAL DOCUMENTATION</p>	<p>ORD.    DATE</p>	<p>CHANGE ORDER</p>
<p>PRODUCT PATARA 110 CORNERS</p>	<p>DATE OF ISSUE 10.12.2012</p>	<p>ORD.    DATE</p>	<p>CHANGE ORDER</p>
<p>ORDER M. DEMIRGÜLES</p>	<p>A</p>	<p>D</p>	<p></p>
	<p>B</p>	<p>E</p>	<p></p>
	<p>C</p>	<p>F</p>	<p></p>



FUSES	
F1	CONTROL
F2	MAIN 25
F3	FANS
F4	
F5	
F6	
F7	LIGHTS
F8	
F9	
F10	
F11	
CONTACTORS	
C1	FANS 9A
C2	
C3	LIGHTS
C4	
C5	
C10	

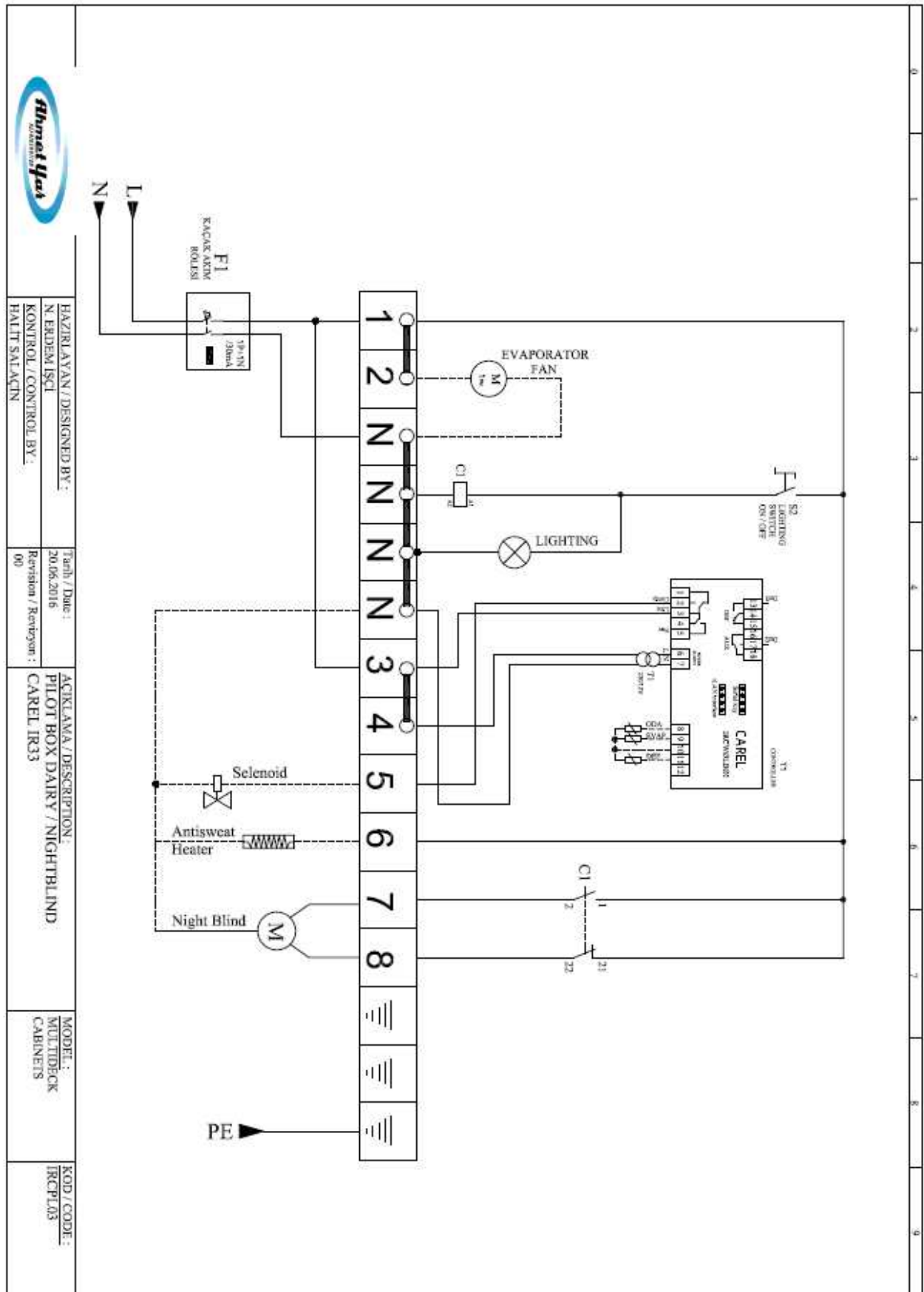
DENL K. SAKI/0000000000  
 C.02.0  
 A.0000  
 DATE: 28.02.2013  
 REV: 03

SUTLUK /  
 MARKET /  
 ŞİŞE SOĞ.  
 IRCPL01  
 CAREL  
 IRCW/COLB01

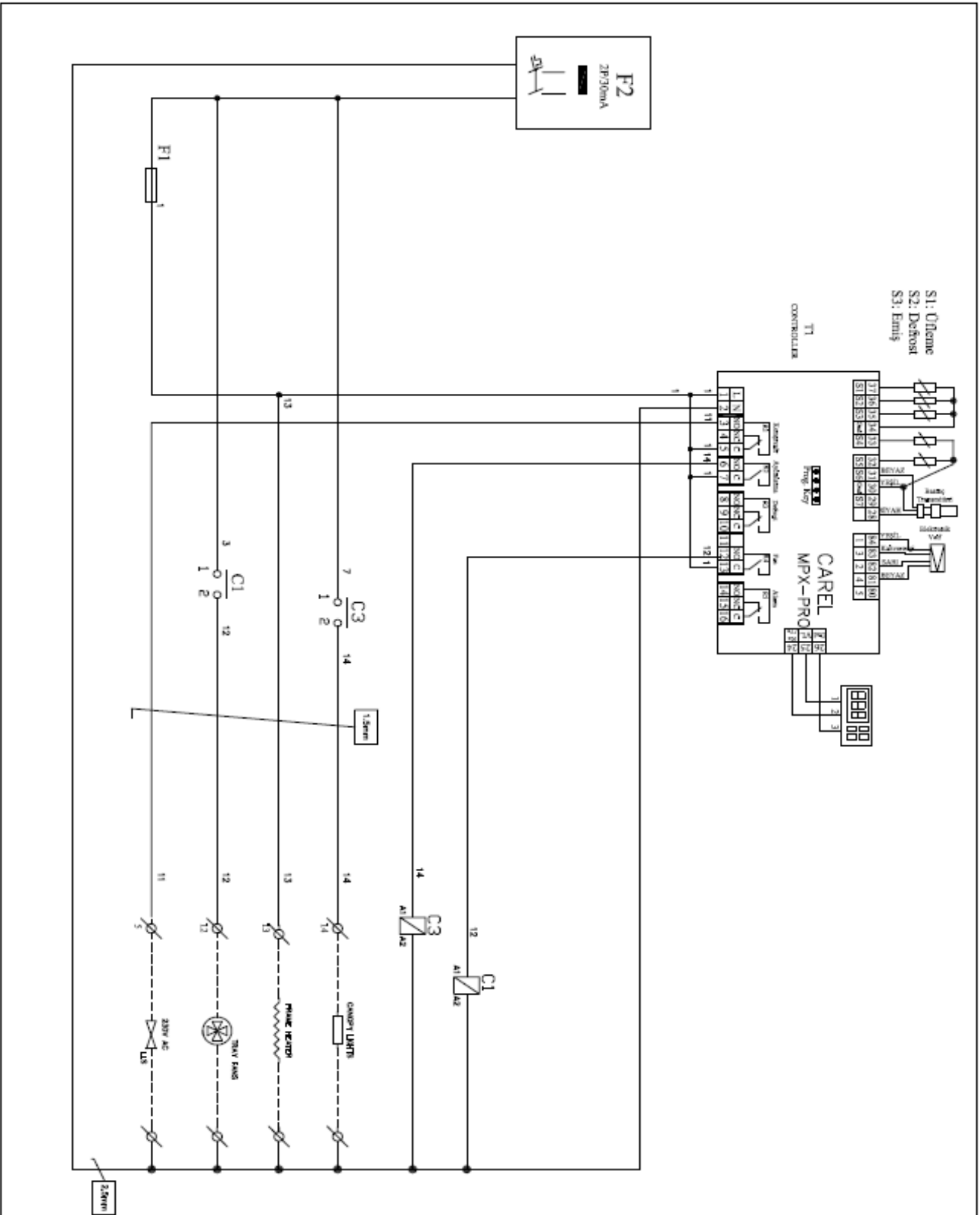










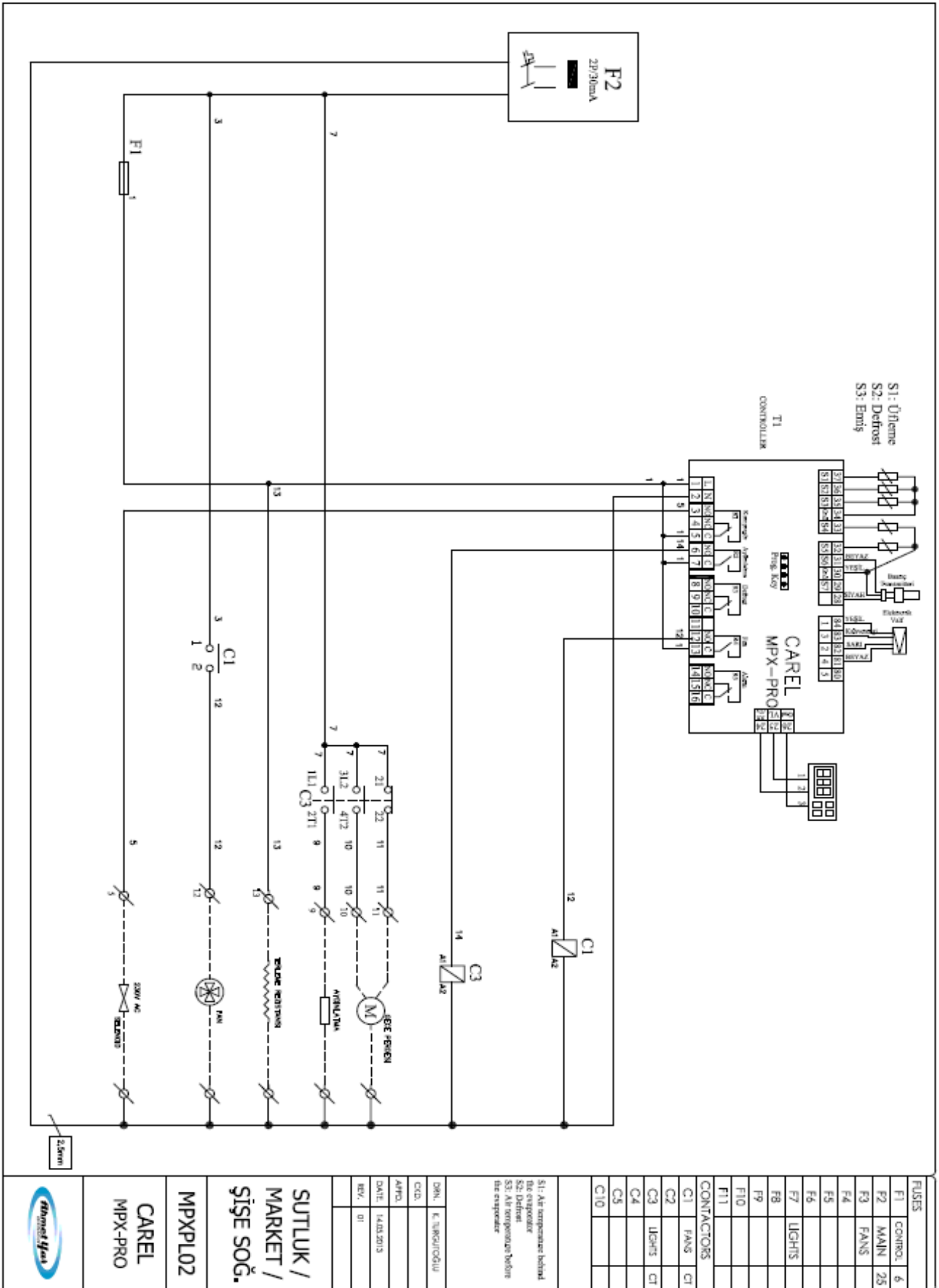


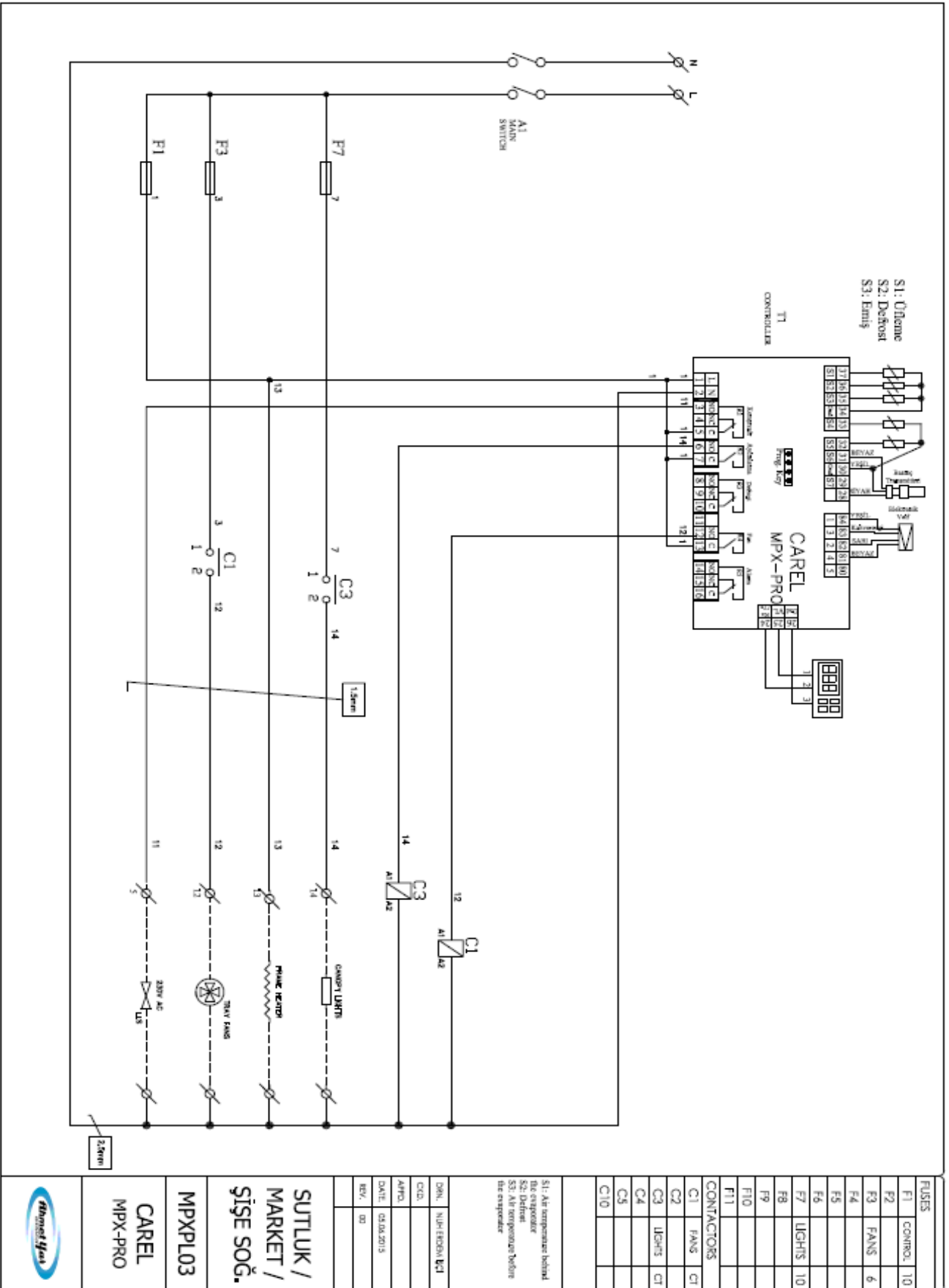
FUSES	
F1	CONTROL 6
F2	FAN
F3	FANS
F4	
F5	
F6	
F7	LIGHTS
F8	
F9	
F10	
F11	
CONTACTORS	
C1	FANS CT
C2	
C3	LIGHTS CT
C4	
C5	
C10	

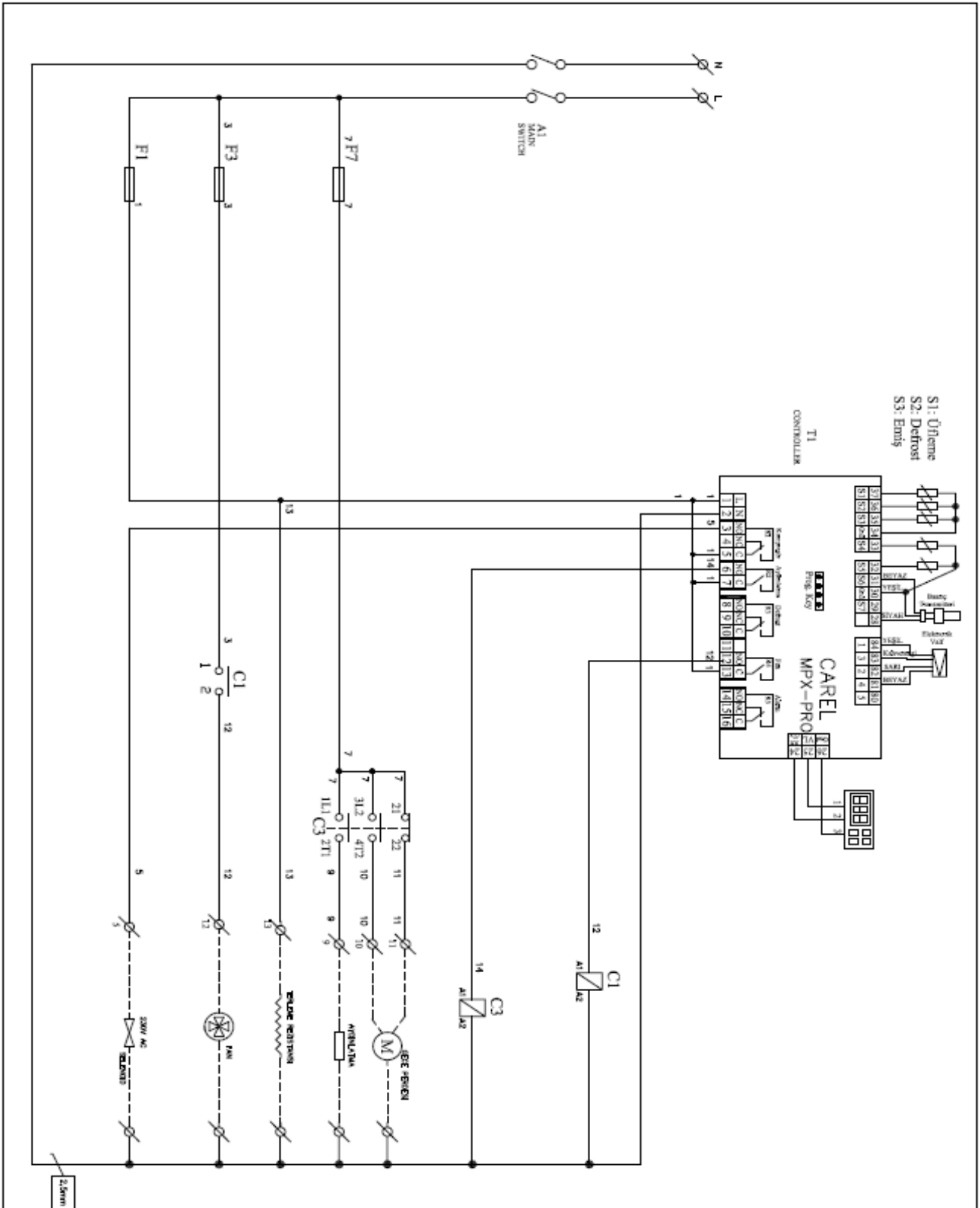
S1: Abz temperature behind  
 S2: evaporator  
 S3: Abz fan  
 S3: Abz temperature before  
 Abz evaporator

DRN.	NUR-EHSEN B.CI
EXCL.	
APPRO.	
DATE	05.05.2015
REV.	ID

**SUTLUK / MARKET / ŞİŞE SOĞ.**  
**MPXPLO1**  
**CAREL**  
**MPX-PRO**







S1: Üfleme  
S2: Defrost  
S3: Emiş

T1  
CONTROLLER

MPX-PRO

1 2 3

FUSES	
F1	CONTROL 10
F2	
F3	FANS 6
F4	
F5	
F6	
F7	LIGHTS 10
F8	
F9	
F10	
F11	

CONTACTORS	
C1	FANS CT
C2	
C3	LIGHTS CT
C4	
C5	
C10	

S1: Air temperature behind the evaporator  
S2: Defrost  
S3: Air temperature before the evaporator

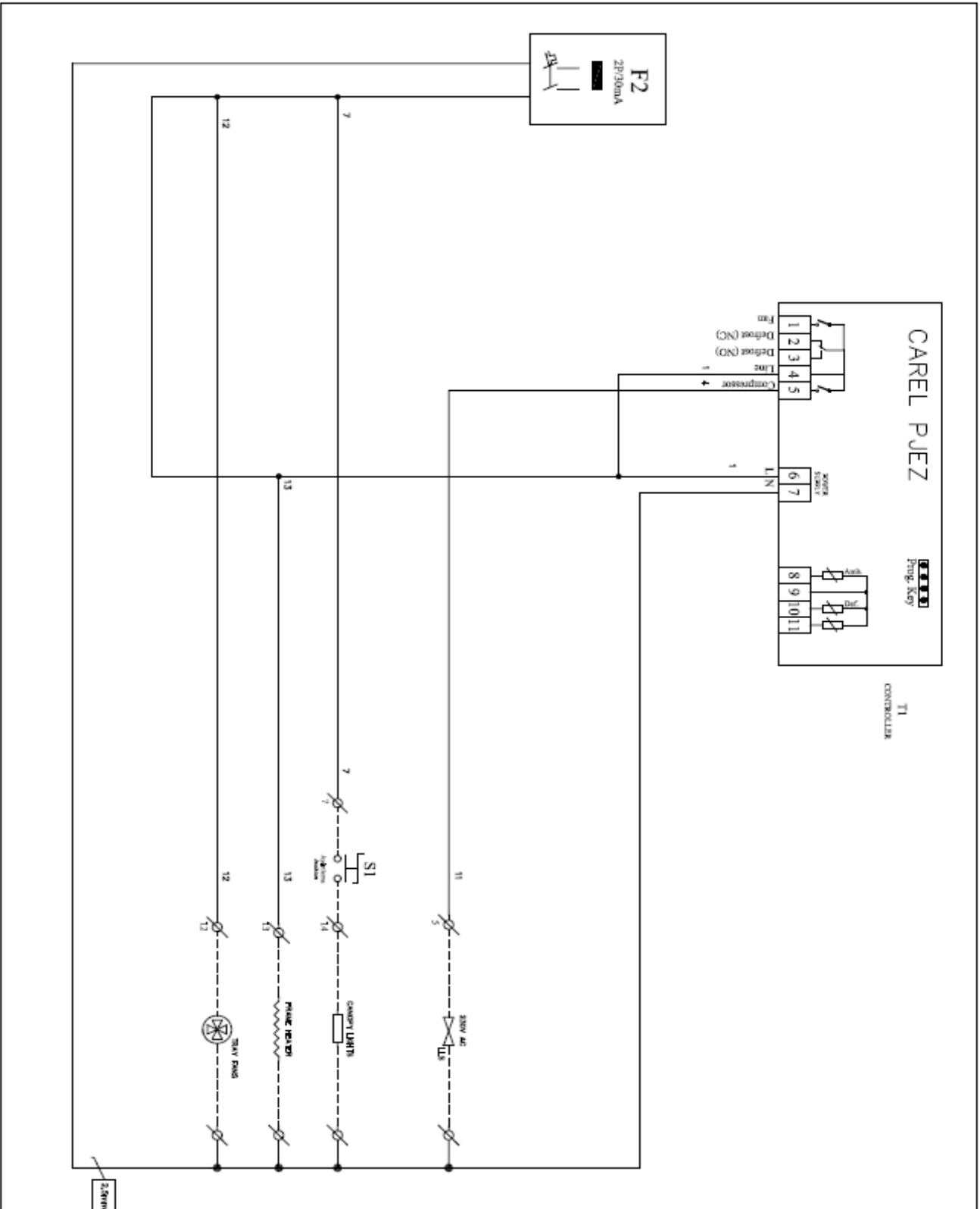
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AFRACA:	
DATE:	04.04.2015
REV:	00

SUTLUK /  
MARKET /  
ŞİŞE SOĞ.

MPXPL04

CAREL  
MPX-PRO





FUSES	CONTROL	MAIN	FANS	LIGHTS	CONTRACTORS
F1		25			
F2		25			
F3					
F4					
F5					
F6					
F7					
F8					
F9					
F10					
F11					
CONTRACTORS					
C1	FANS	9A			
C2					
C3	LIGHTS				
C4					
C5					
C10					

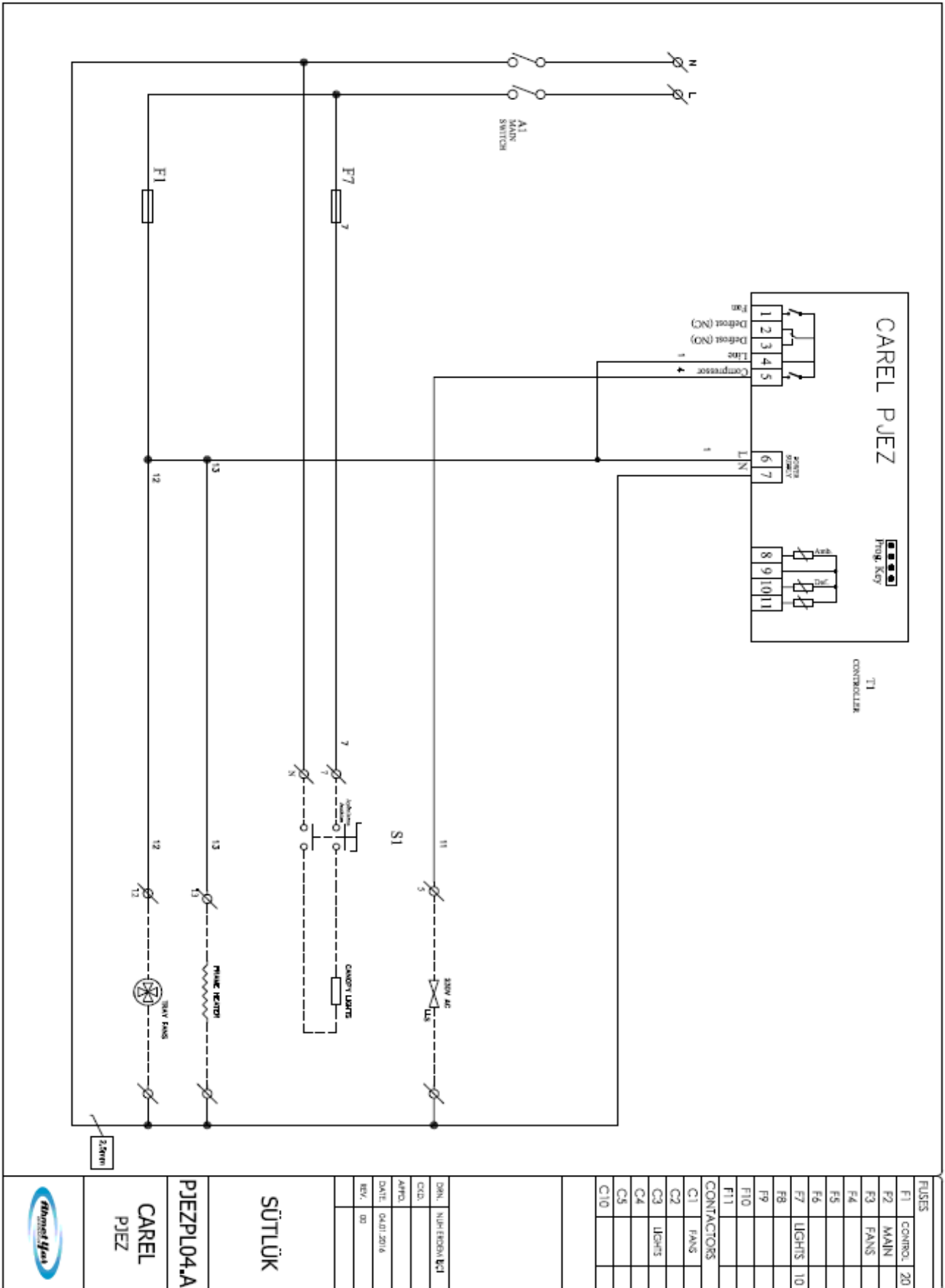
MARKET / ŞİŞE SOĞ. CAREL PJEZ PJEZPL02

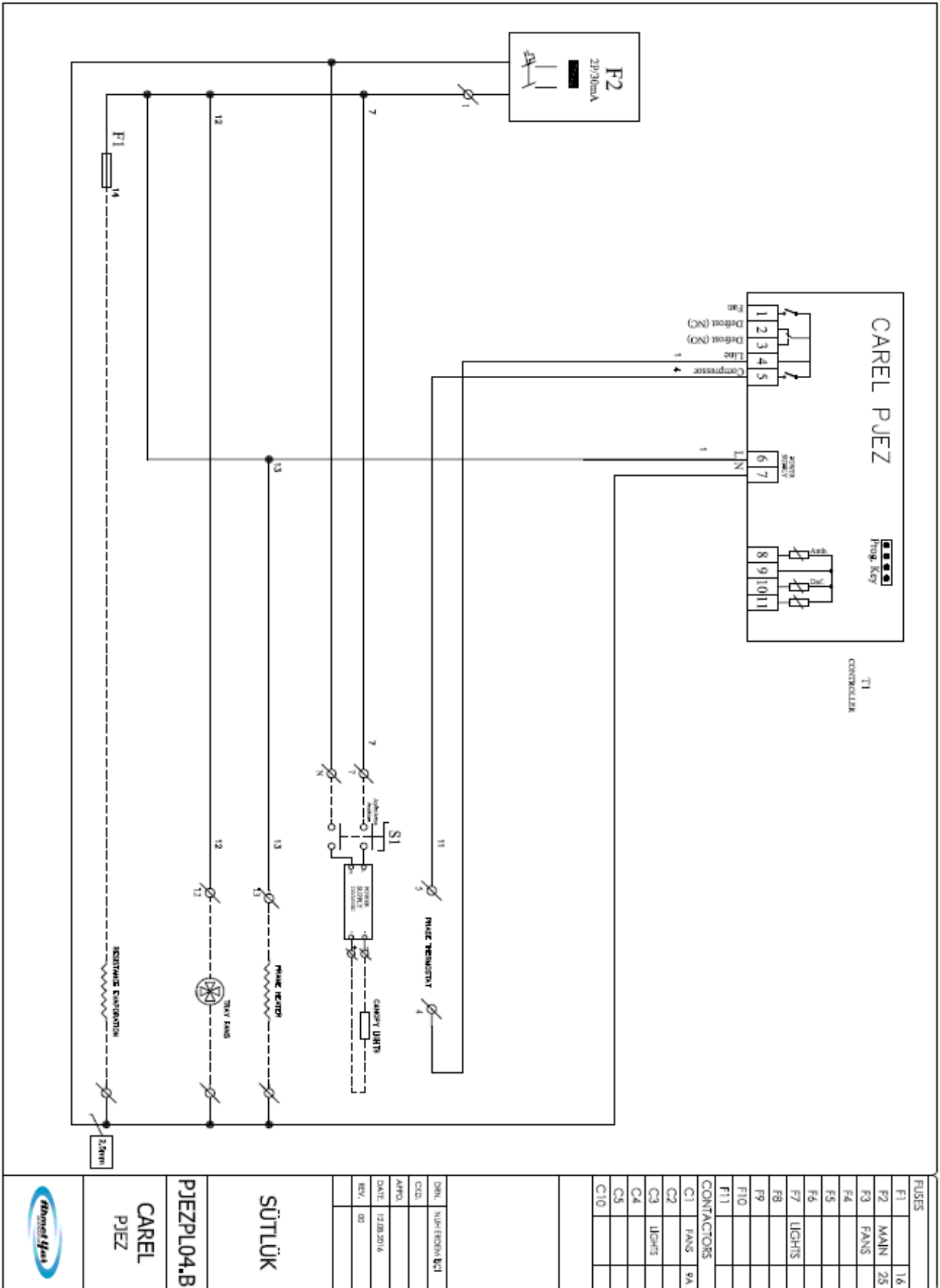
DN.	E. YAKUPOĞLU
ECN.	
APRO.	
DATE	16.03.2013
REV.	01











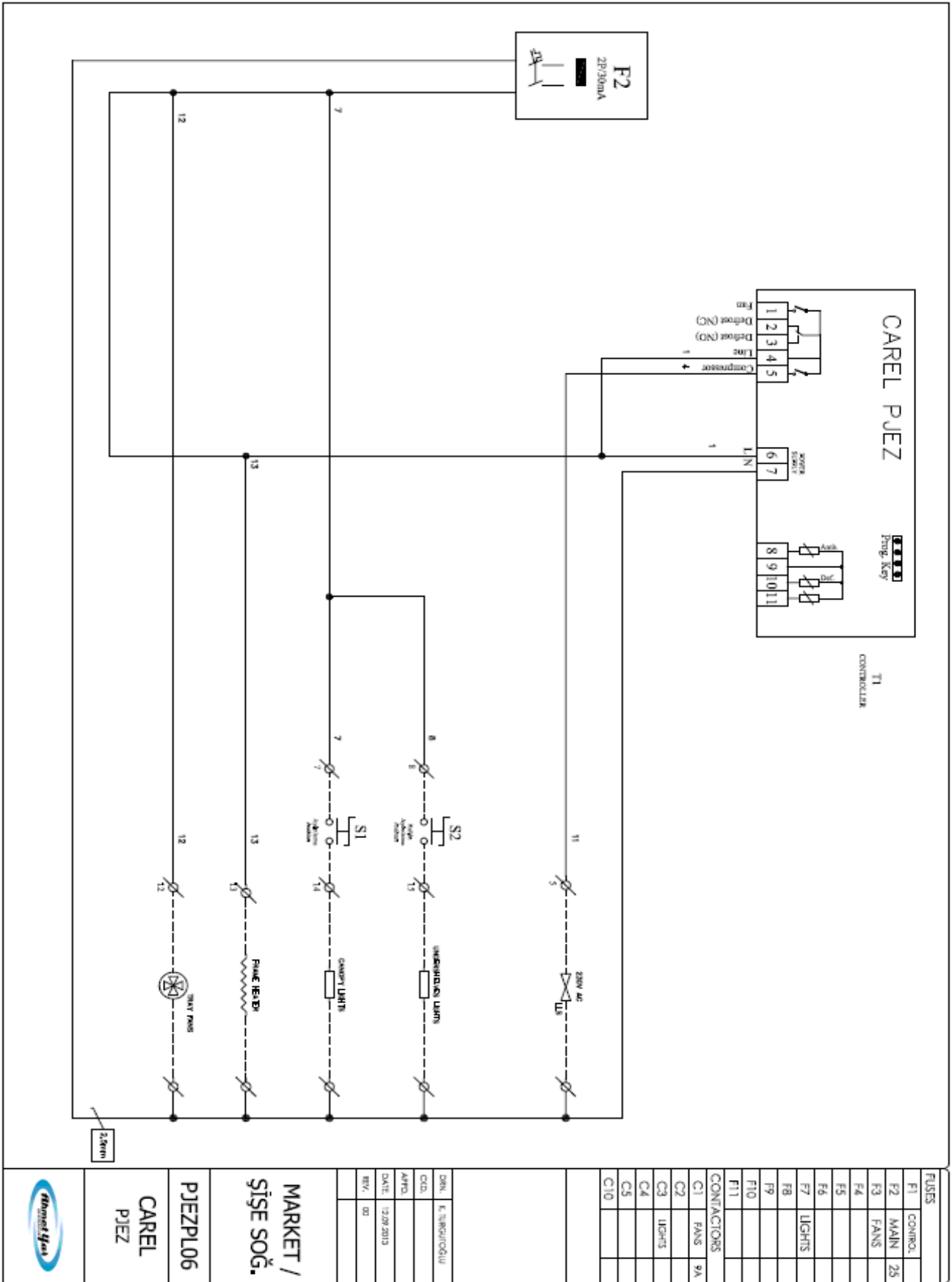
FLUSES	
F1	1/6
F2	MAIN 25
F3	FANS
F4	
F5	
F6	
F7	LIGHTS
F8	
F9	
F10	
F11	
CONTACTORS	
C1	FANS 9A
C2	
C3	LIGHTS
C4	
C5	
C10	

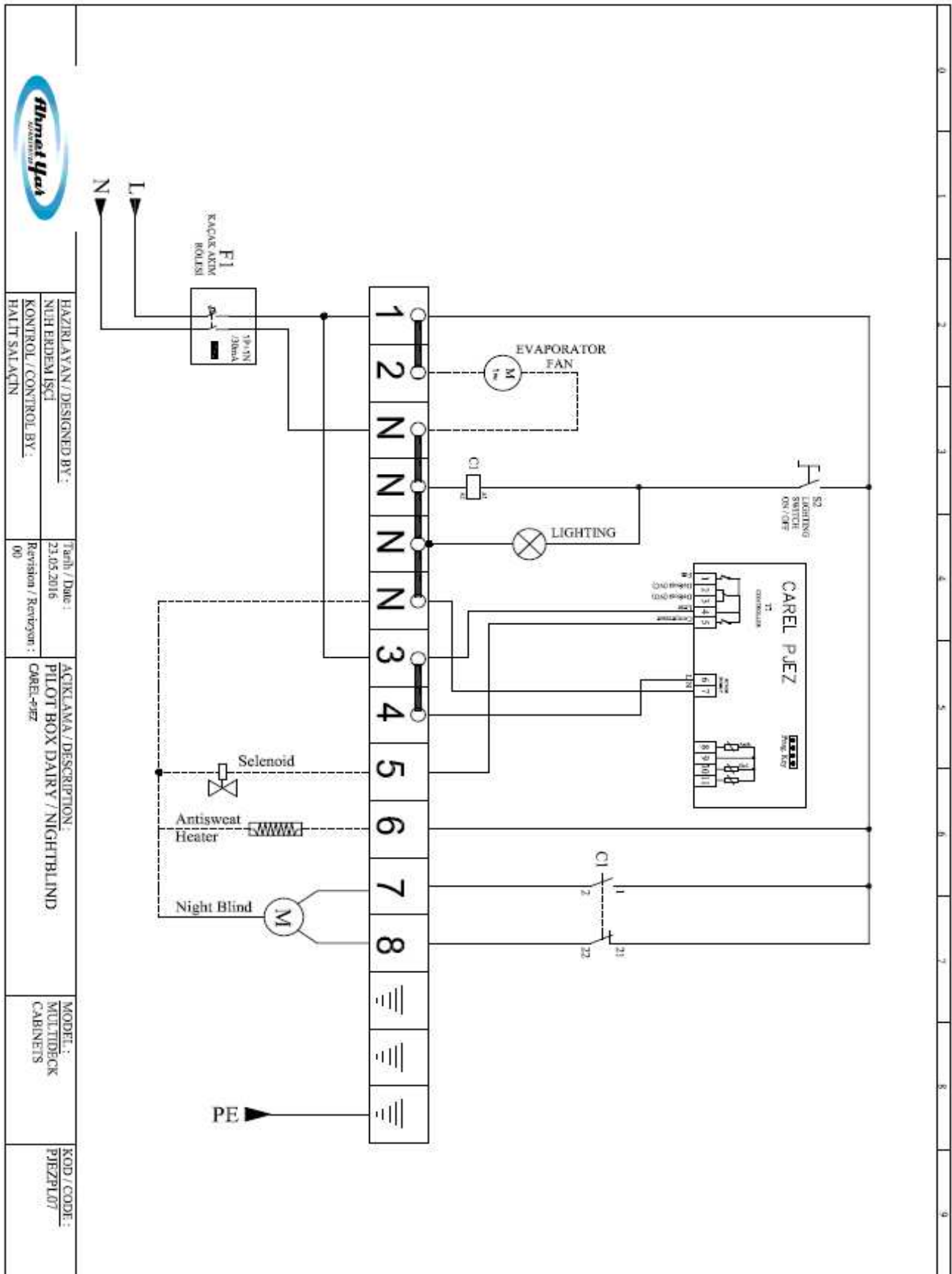
SÜTLÜK

PJEZPL04.B

CAREL  
PJEZ







HAZIRLAYAN / DESIGNED BY :  
NİH ERDEM İŞÇİ  
KONTROL / CONTROL BY :  
HAİTİ SALAÇIN

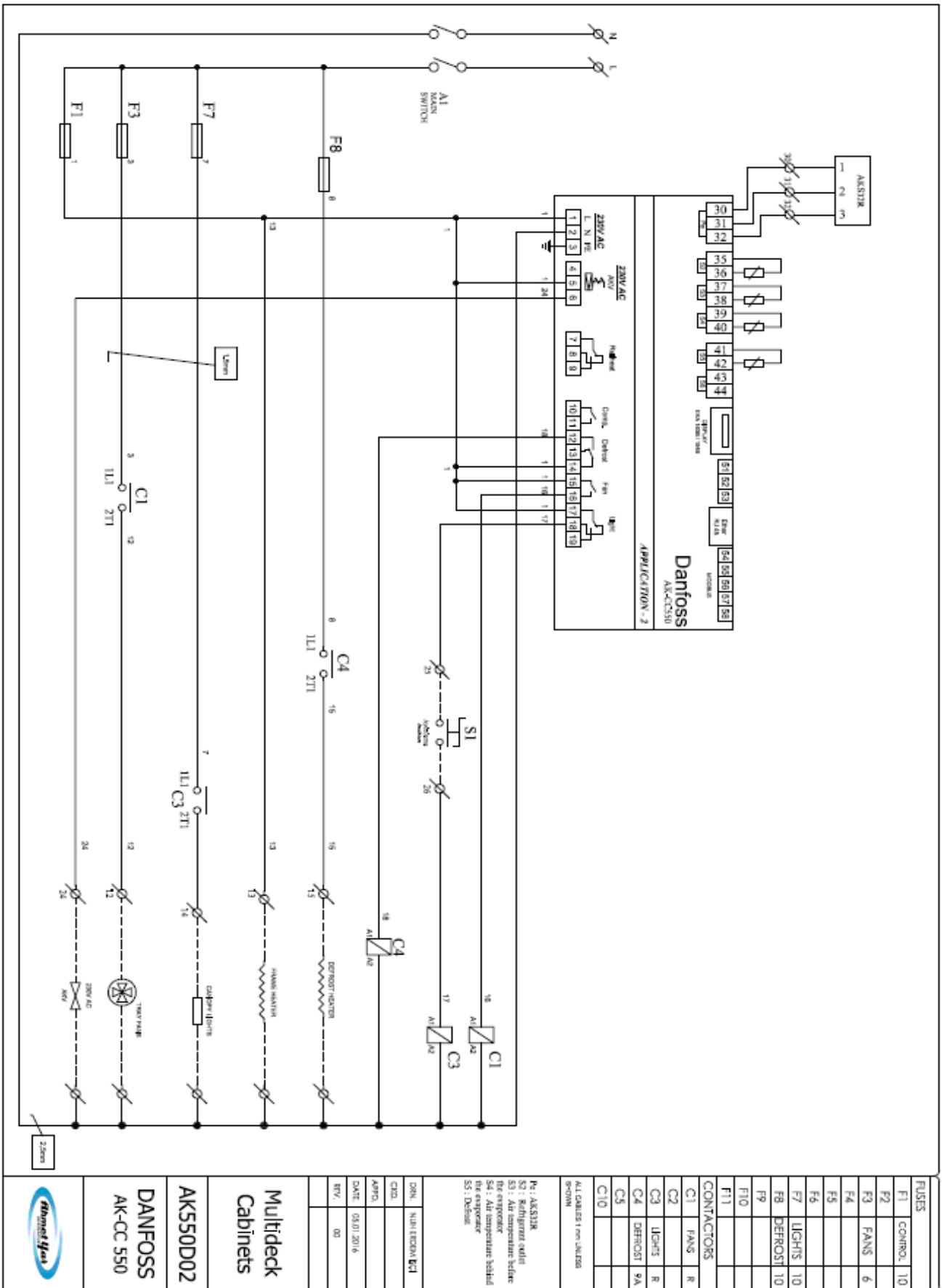
Tarih / Date :  
23.05.2016  
Revision / Revizyon :  
00

AÇIKLAMA / DESCRIPTION:  
PILOT BOX DAIRY / NIGHTBLIND  
CAREL-PJEZ

MODEL :  
MULTIDOCK  
CABINETS

KOD / CODE :  
PJEZPL07





FUSES	
F1	CONTROL 10
F2	
F3	FANS 6
F4	
F5	
F6	
F7	LIGHTS 10
F8	DEFROST 10
F9	
F10	

CONTACTORS	
C1	FANS R
C2	
C3	LIGHTS R
C4	DEFROST 9A
C5	
C10	

ALL CABLES 1 core 0.75mm<sup>2</sup> SECTION

Pe - AKES318

S2 - Refrigerant outlet

S3 - Air temperature before the evaporator

S4 - Air temperature behind the evaporator

S5 - Defrost

DEN. : NUN/TECMA E/C1

CHD. :

APPL. :

DATE : 05.01.2016

REV. : 00

25mm

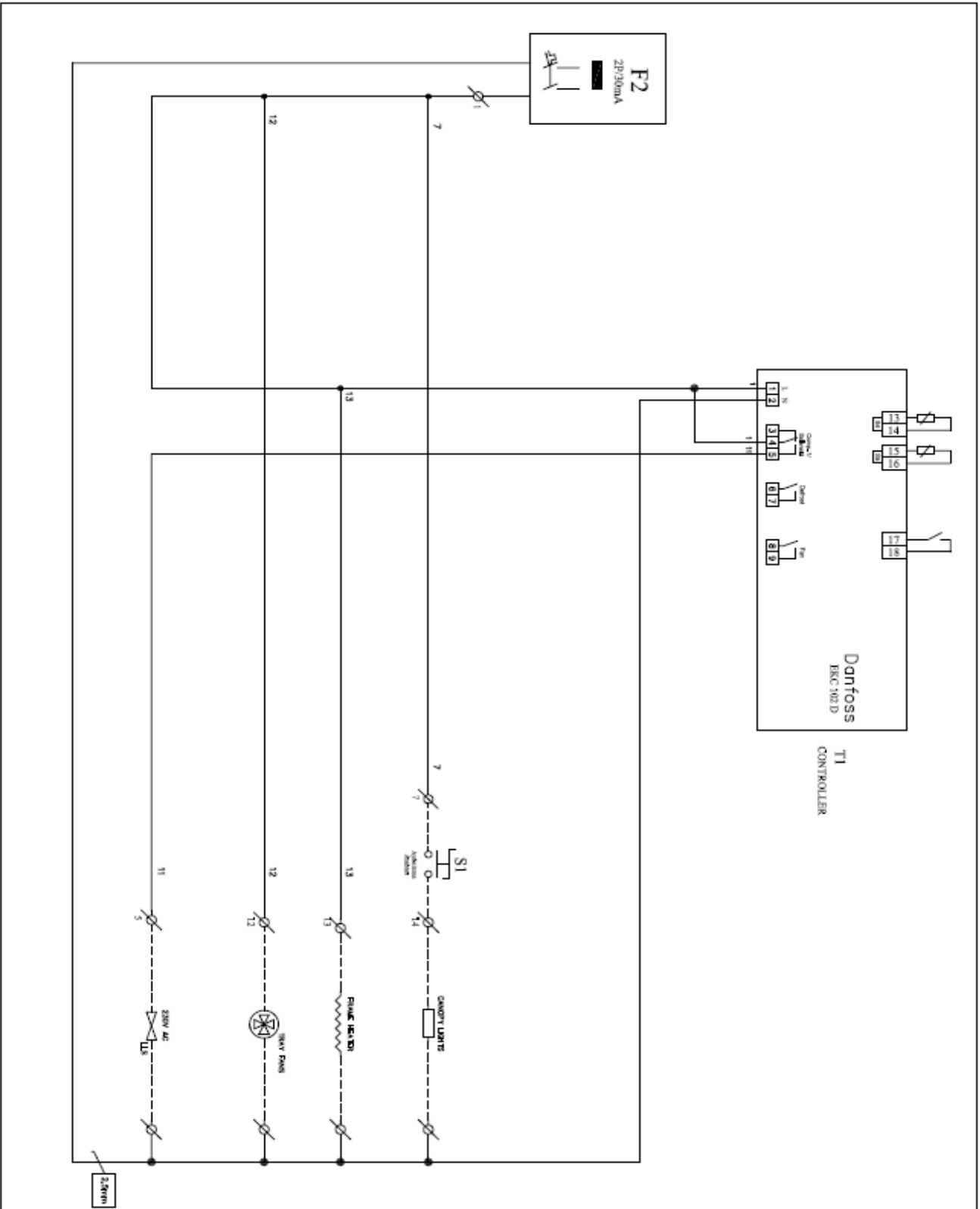
Multideck Cabinets

AK550D02

DANFOSS

AK-CC 550





FUSES	
F1	CONTROL
F2	MAIN 25
F3	FANS
F4	
F5	
F6	
F7	LIGHTS
F8	
F9	
F10	
F11	
CONTACTORS	
C1	FANS 9A
C2	
C3	LIGHTS 9A
C4	
C5	
C10	

54. Air temperature behind the evaporator  
S1: Defrost

DRN	BOSMA/İD
ÇİD	
AYTOL	
DATE	27.02.2015
REV.	01

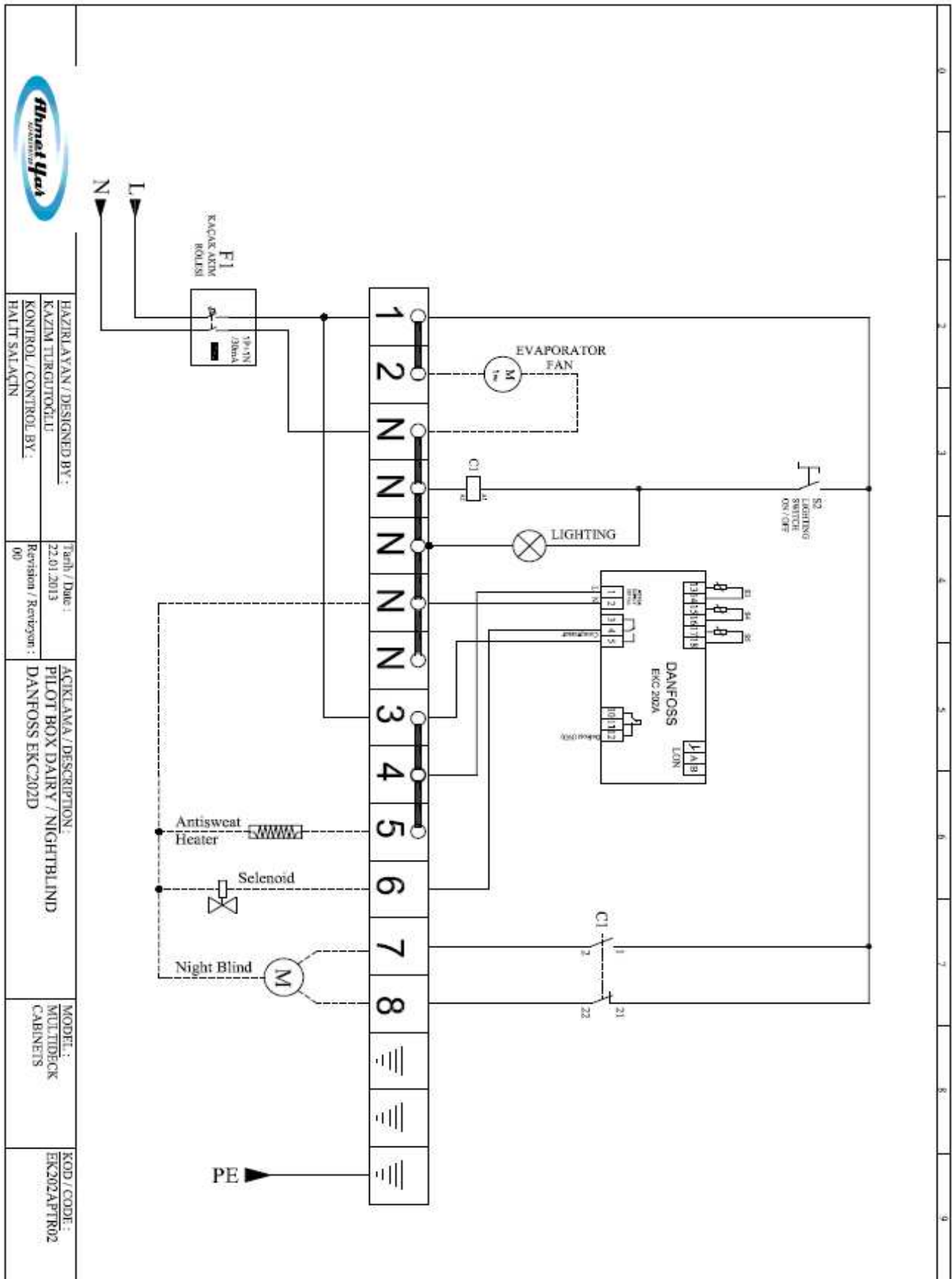
SUTLUK /  
MARKET /  
ŞİŞE SOĞ.

EK102PL01  
DANFOSS  
EKC102D

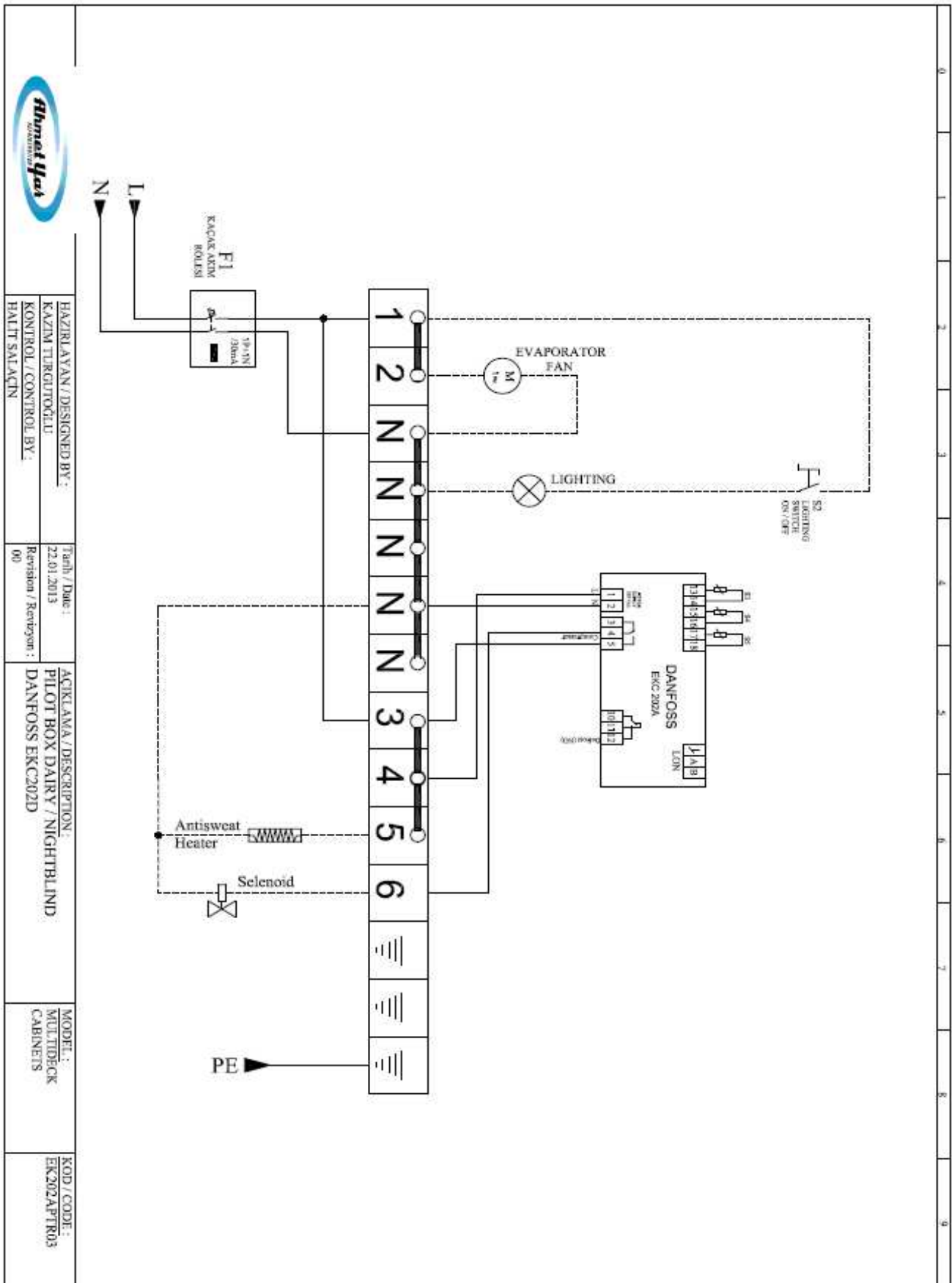


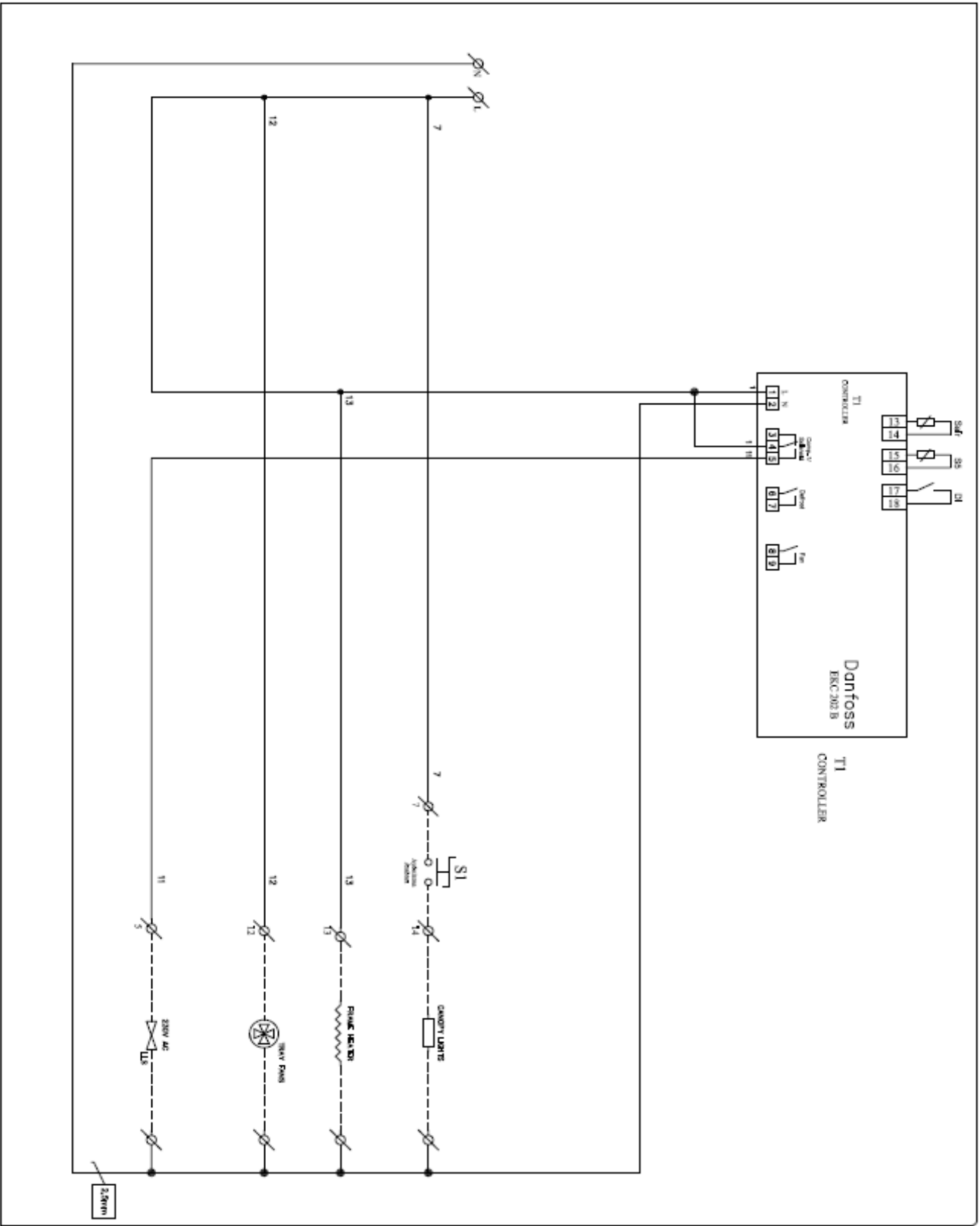






HAZIRLAYAN / DESIGNED BY:	Tarih / Date:	ACIKLAMA / DESCRIPTION:	MODEL:	KOD / CODE:
KAZIM TURGUTOĞLU	22.01.2013	PILOT BOX DAIRY / NIGHTBLIND	MULTIDECK CABINETS	EK202AFTR02
KONTROL / CONTROL BY:	Revision / Revizyon:	DANFOSS EKC202D		
HATIR SALAÇIN	00			



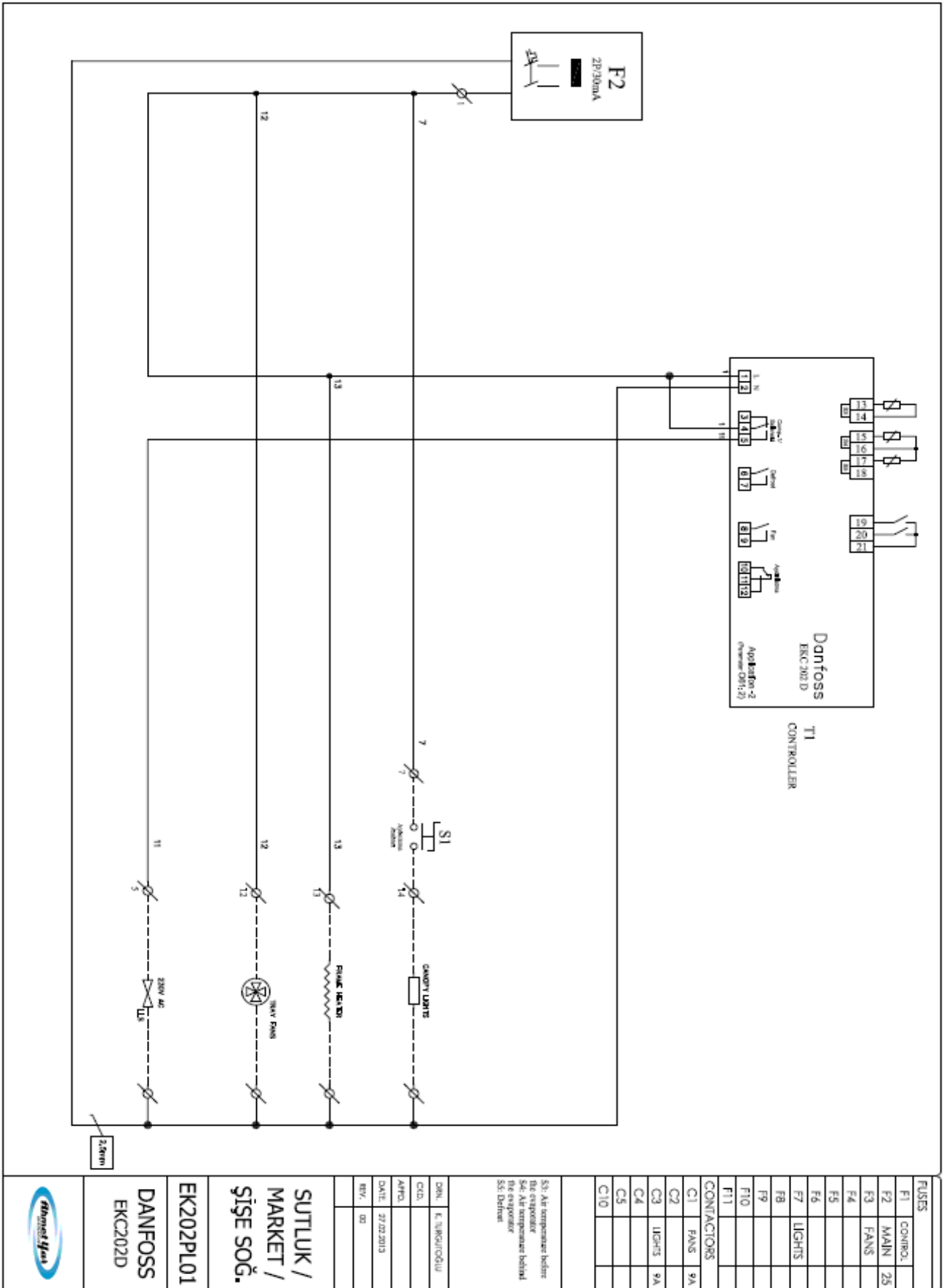


FLUTES	
F1	CONTROL
F2	MAIN 25
F3	FANS
F4	
F5	
F6	
F7	LIGHTS
F8	
F9	
F10	
F11	
CONTACTORS	
C1	FANS 9A
C2	
C3	LIGHTS 9A
C4	
C5	
C10	

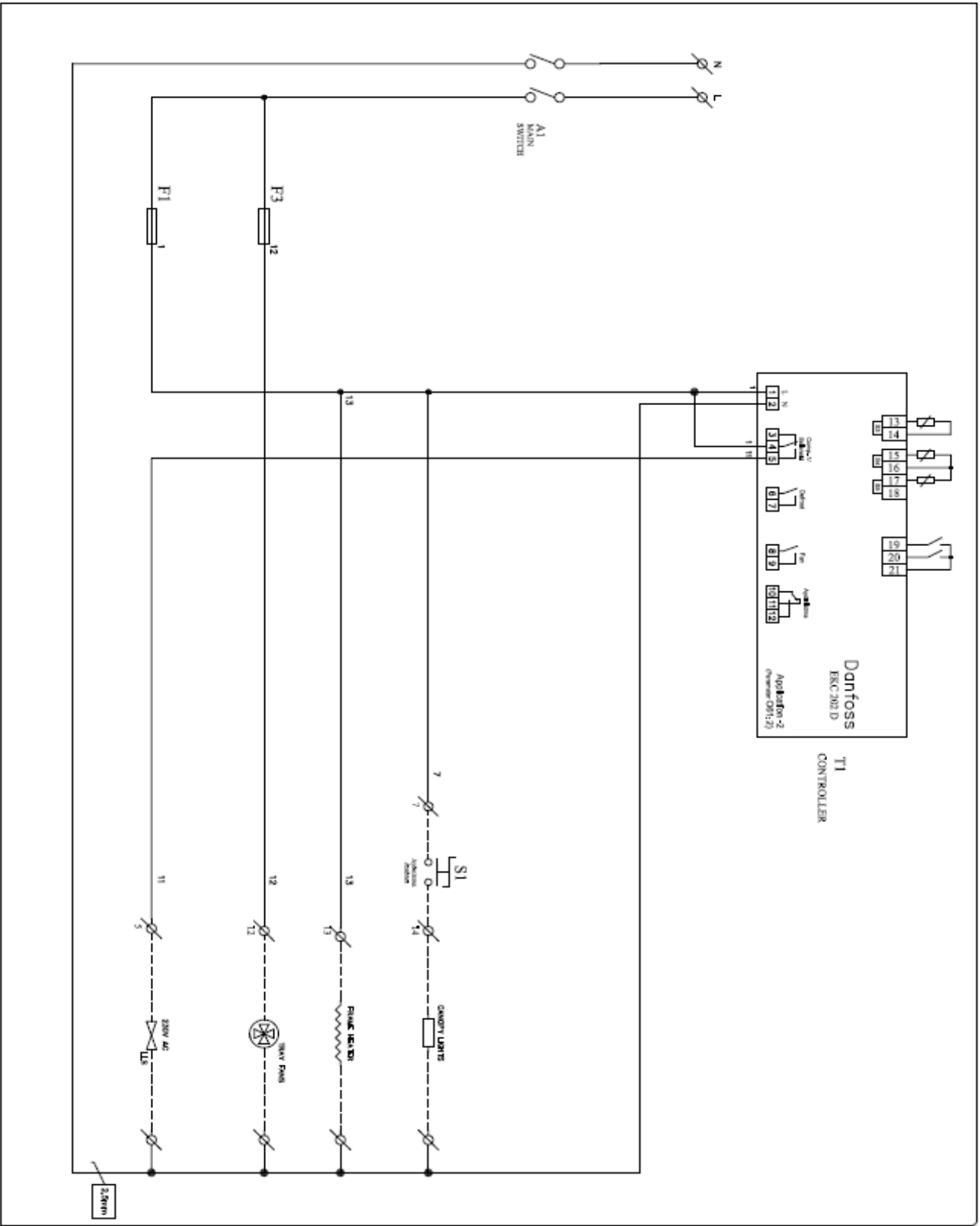
DNK	K. NIKURDULU
CDN	
APRO	
DATE	02.03.2015
REV.	01

SUTLUK / MARKET / ŞİŞE SOĞ. / DANFOSS EKC202B









FUSES	
F1	Control 1/6
F2	MAIN
F3	FANS 6
F4	
F5	
F6	
F7	LIGHTS
F8	
F9	
F10	
F11	
CONTACTORS	
C1	FANS 9A
C2	
C3	LIGHTS 9A
C4	
C5	
C10	

SE: Air temperature before  
 BE: evaporator  
 SE: Air temperature behind  
 SS: evaporator  
 SS: Drainage

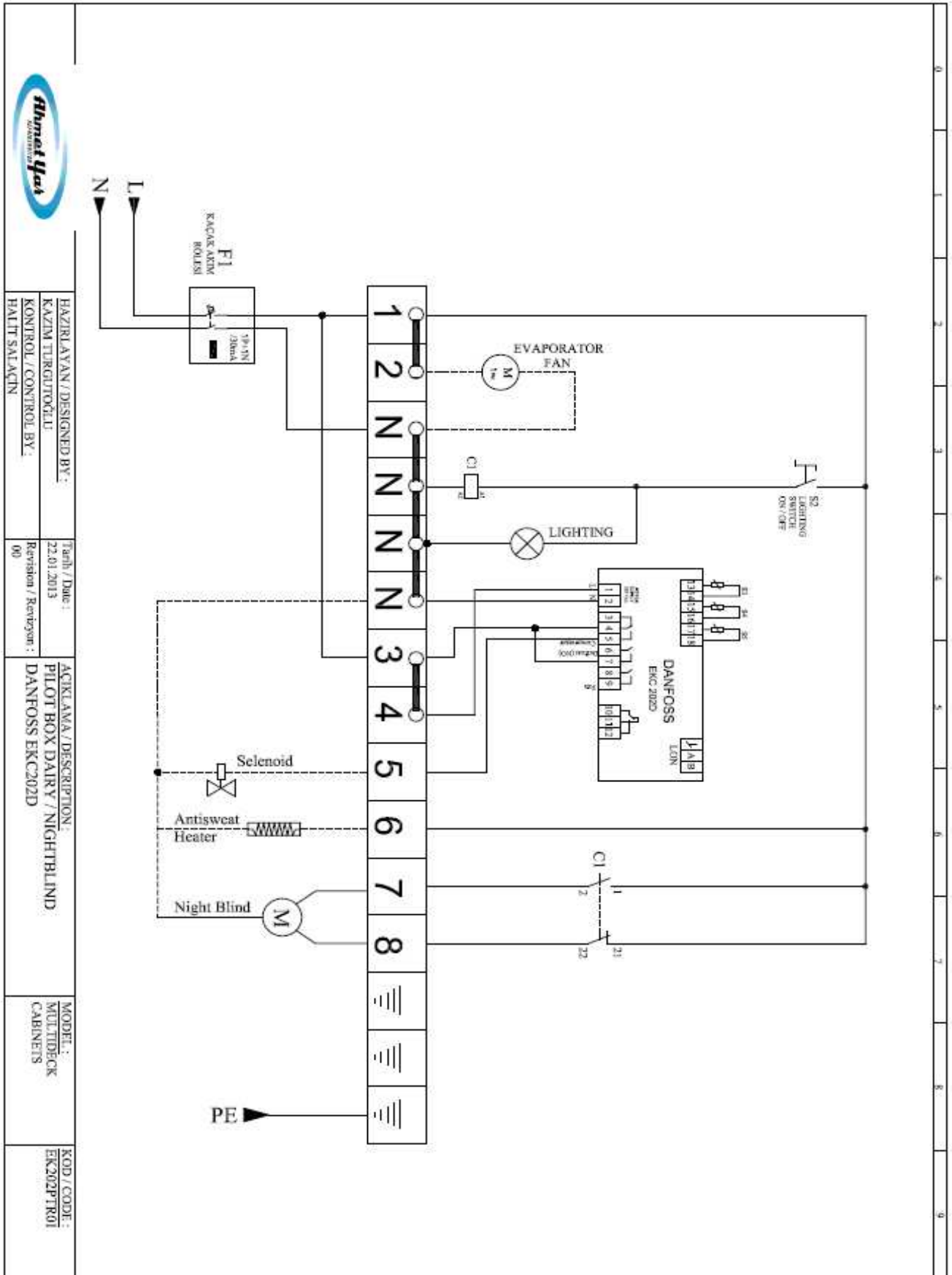
DNK	Boşluk /td>
CDN	
AFRICA	
DATE	19/02/2016
REV.	00

SUTLUK /  
 MARKET /  
 ŞİŞE SOĞ.

EK202PL03  
 DANFOSS  
 EKC202D







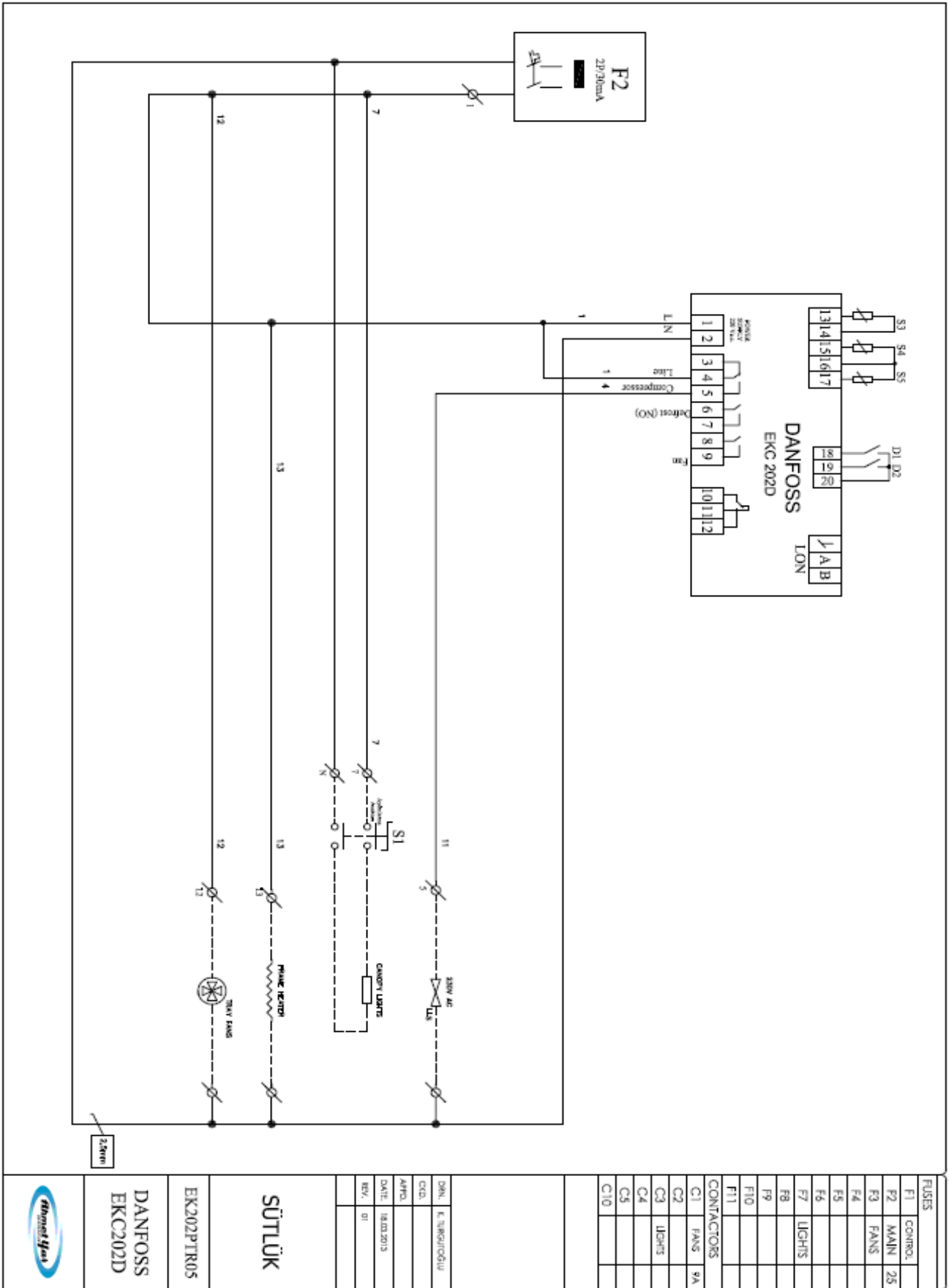
HAZIRLAYAN / DESIGNED BY: KAZIM TURGUTOĞLU  
KONTROL / CONTROL BY: HAITI SALAÇIN

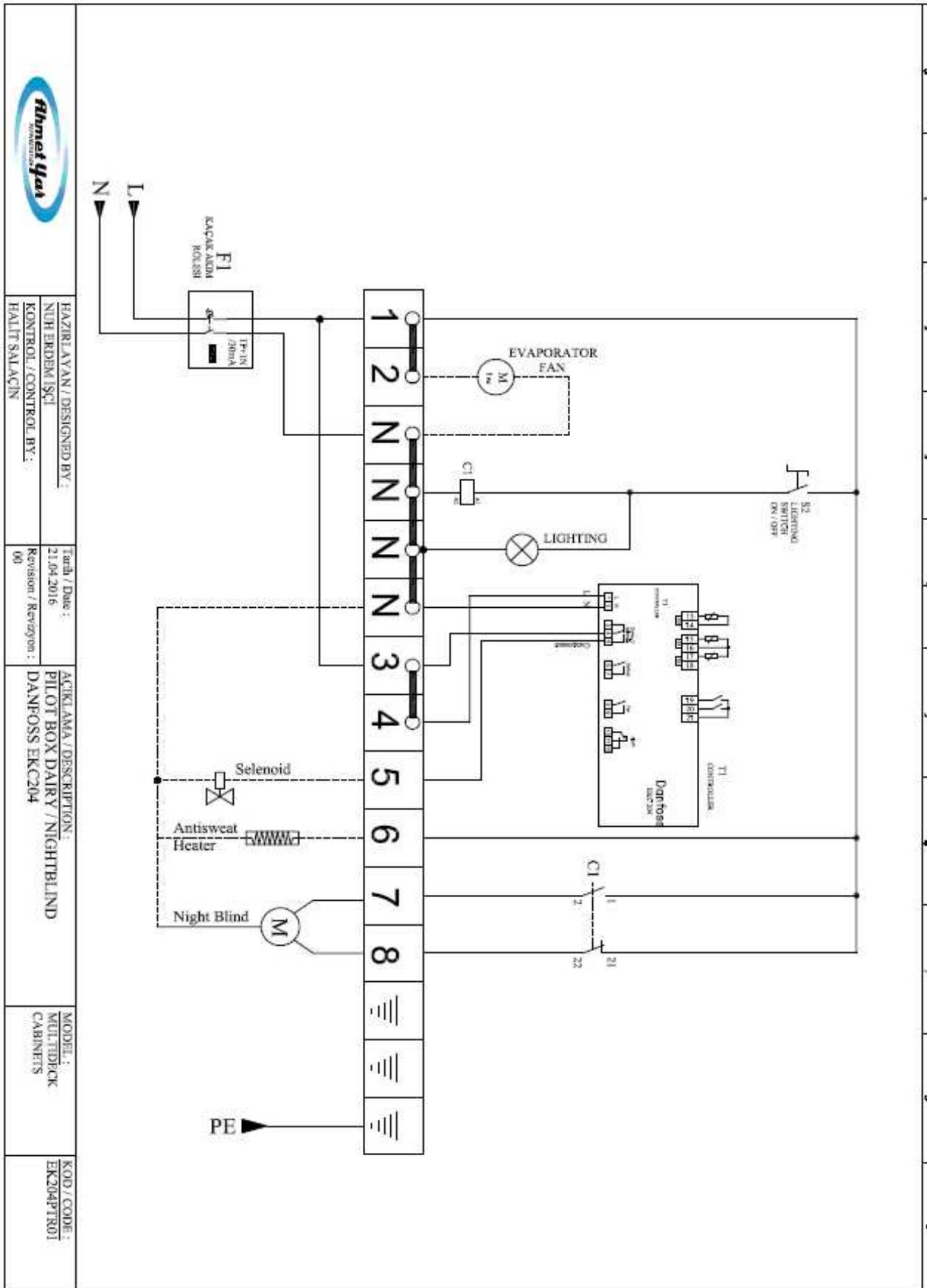
Tarih / Date: 22.01.2013  
Revizyon / Revision: 00

ACIKLAMA / DESCRIPTION: PILOT BOX DAIRY / NIGHTBLIND DANFOSS EK C202D

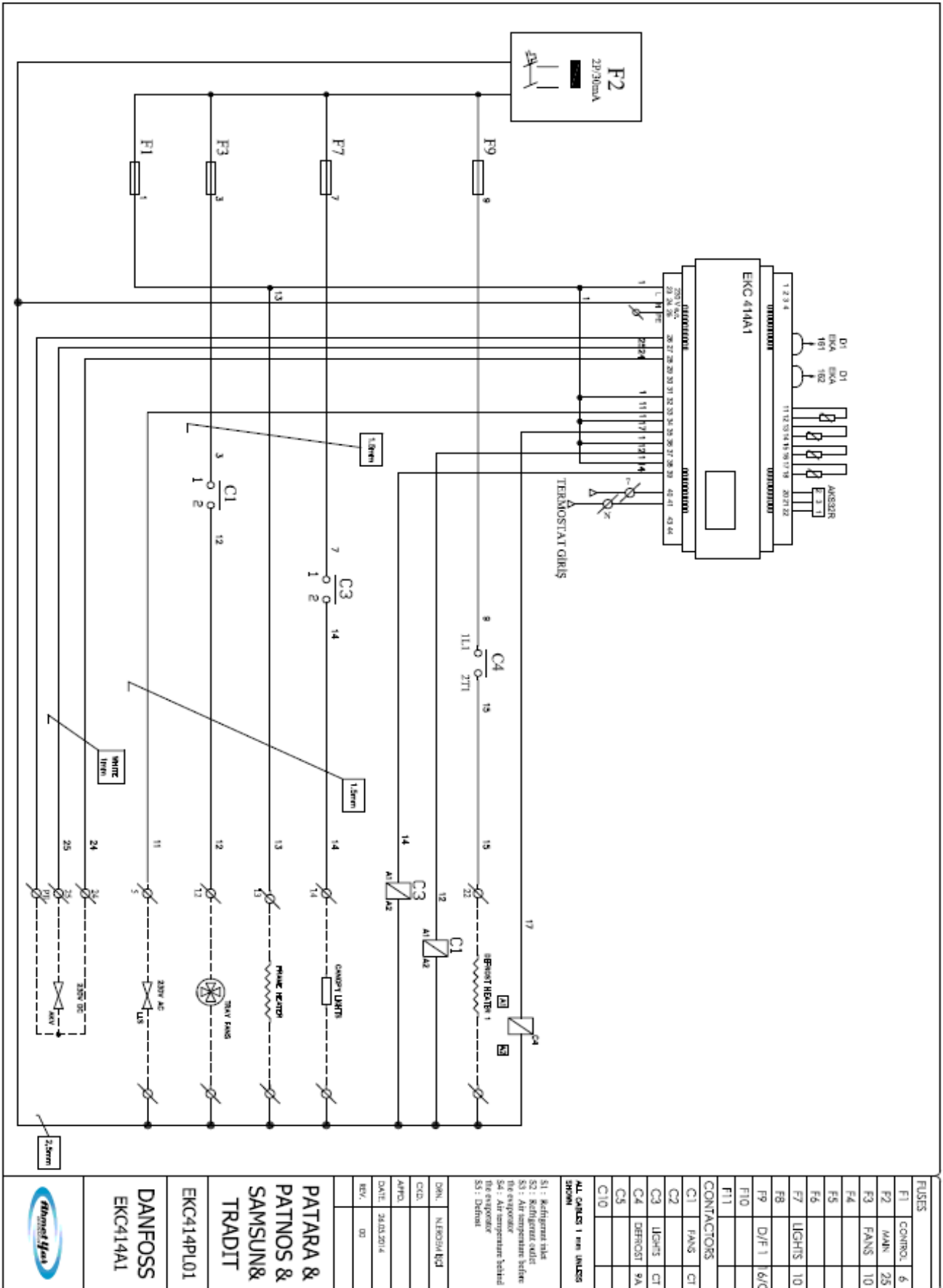
MODEL: MULTIDECK CABINETS

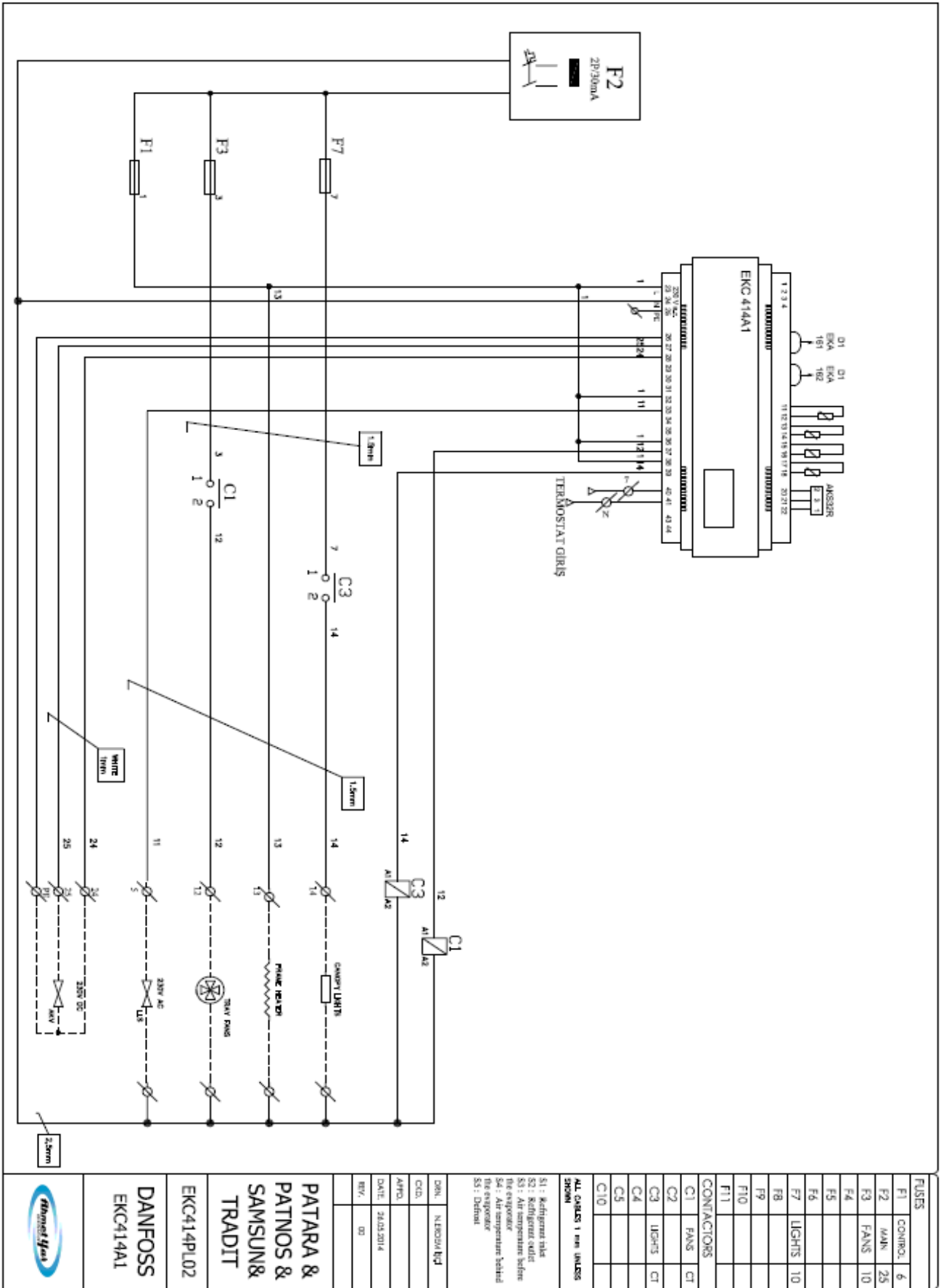
KOD / CODE: EK202PTR01





	HAZIRLAYAN / DESIGNED BY :	Tarih / Date :	ACIKLAMA / DESCRIPTION :	MODEL :	KOD / CODE :
	NUR ERDEM / SÇİ KONTROL / CONTROL BY : HALİT SALAÇIN	21.04.2016 Revision / Revizyon : 00	PILOT BOX DAIRY / NIGHTBLIND DANFOSS EK204	MULTIDRICK CABINETS	EK204PTR01





FUSES	CONTROL	MAIN	FANS	LIGHTS
F1	6	25	10	
F2				
F3				
F4				
F5				
F6				
F7				10
F8				
F9				
F10				
F11				

CONTACTORS	
C1	FANS CT
C2	
C3	LIGHTS CT
C4	
C5	
C10	

ALL CABLES 1 mm (UNLESS SHOWN OTHERWISE)	
SS1	Reddergenz hat
SS2	Kelligerent odit
SS3	Adm. tempore before
SS4	Adm. tempore behind
SS5	Adm. tempore behind the evaporator
SS1	Default

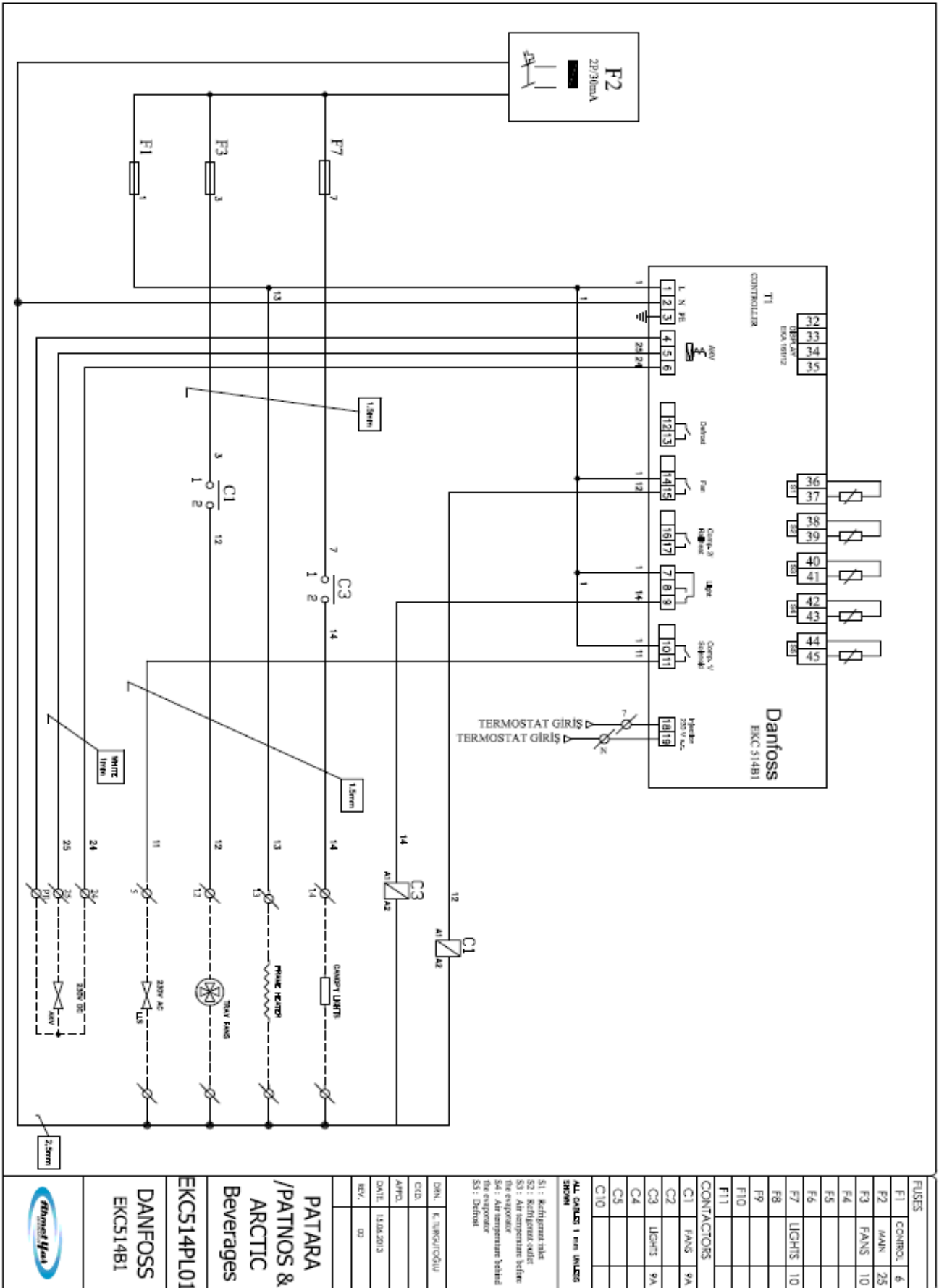
DRN.	NEBODAN İKİ
CDN.	
APRO.	
DATE	24.03.2014
REV.	02

**PATARA & PATNOS & SAMSUN & TRADIT**

**EKC414PL02**

**DANFOSS EKC414A1**



FUSES		
F1	CONTROL	6
F2	MAIN	25
F3	FANS	10
F4		
F5		
F6		
F7	LIGHTS	10

F8		
F9		
F10		

F11		
-----	--	--

CONTACTORS		
C1	FANS	9A
C2		
C3	LIGHTS	9A
C4		
C5		
C10		

RELAYS		
R1		
R2		
R3		

S1	Refrigerant valve
S2	Refrigerant solenoid
S3	Air temperature sensor
S4	Air temperature sensor
S5	Air temperature sensor

ALL CONTACTS 1 mm UNLESS SHOWN
--------------------------------

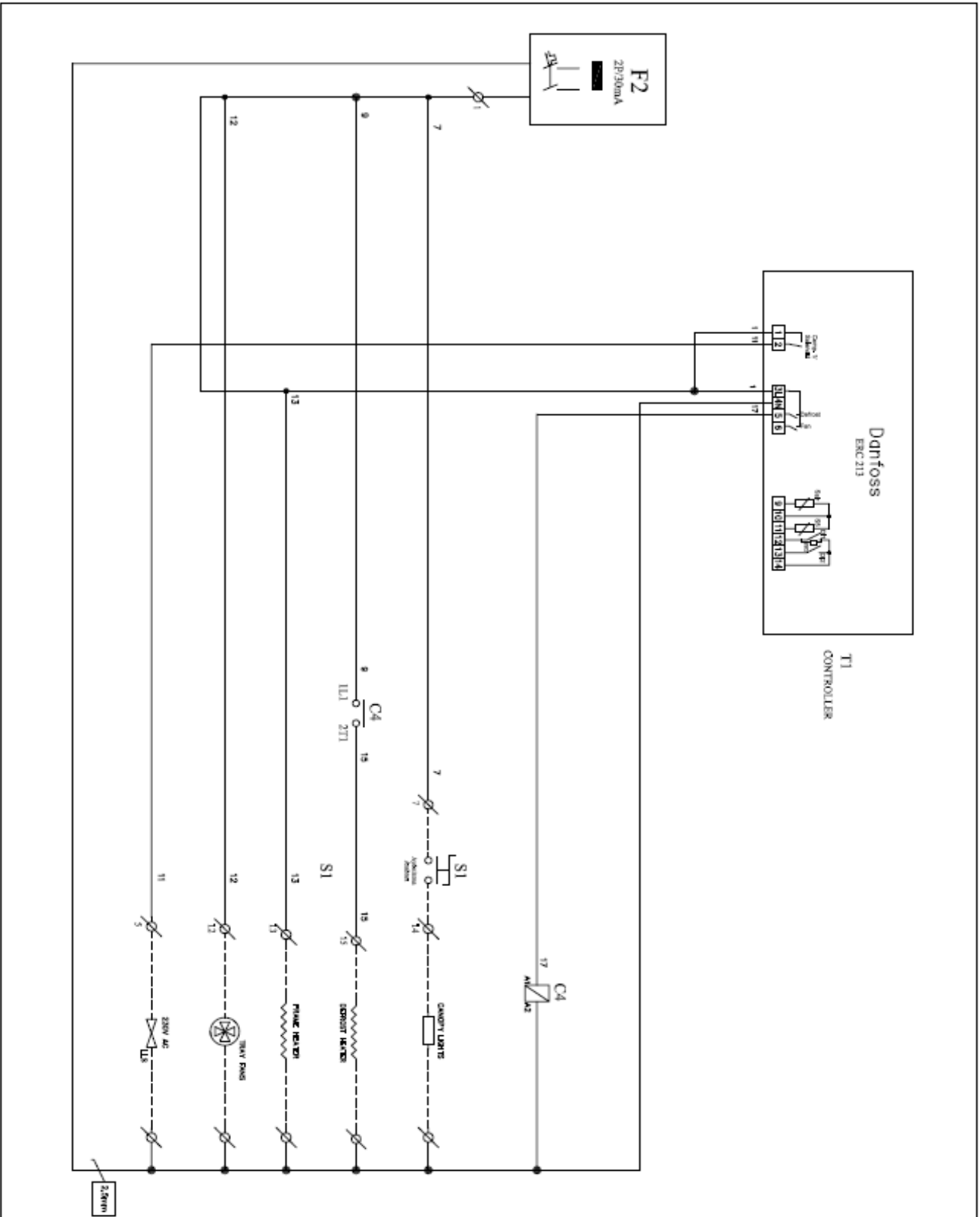
DNM.	K. İNŞAATÇIĞLU
ÇİZİM	
AYRICA	
DATE	15.04.2015
REV.	00

PATARA /PATNOS & ARCTIC Beverages

EKC514PL01

DANFOSS EKC514B1





FUSES	
F1	CONTROL
F2	MAIN 25
F3	FANS
F4	
F5	
F6	
F7	LIGHTS
F8	
F9	
F10	
F11	
CONTACTORS	
C1	FANS 9A
C2	
C3	LIGHTS 9A
C4	DEFROST 9A
C5	
C10	

S1: Air temperature heater  
 H1: evaporator  
 S2: Air temperature behind  
 S3: Defrost

DEN.	SAH ERGON KCI
CHD.	
AYRIL.	
DATE.	01.07.2016
REV.	01

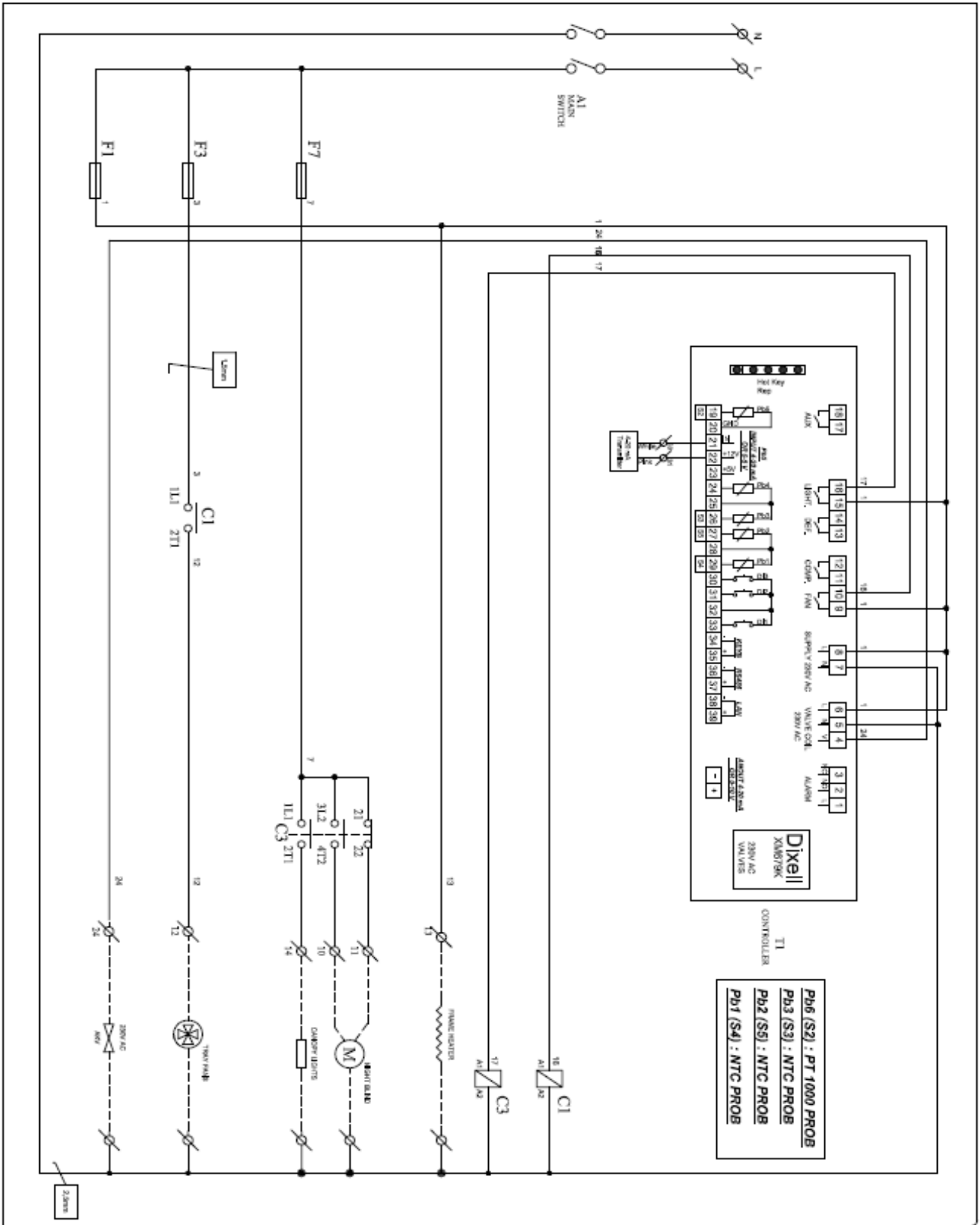
SUTLUK /  
 MARKET /  
 ŞİŞE SOĞ.

ERC213 PI.01  
**DANFOSS**  
 ERC213







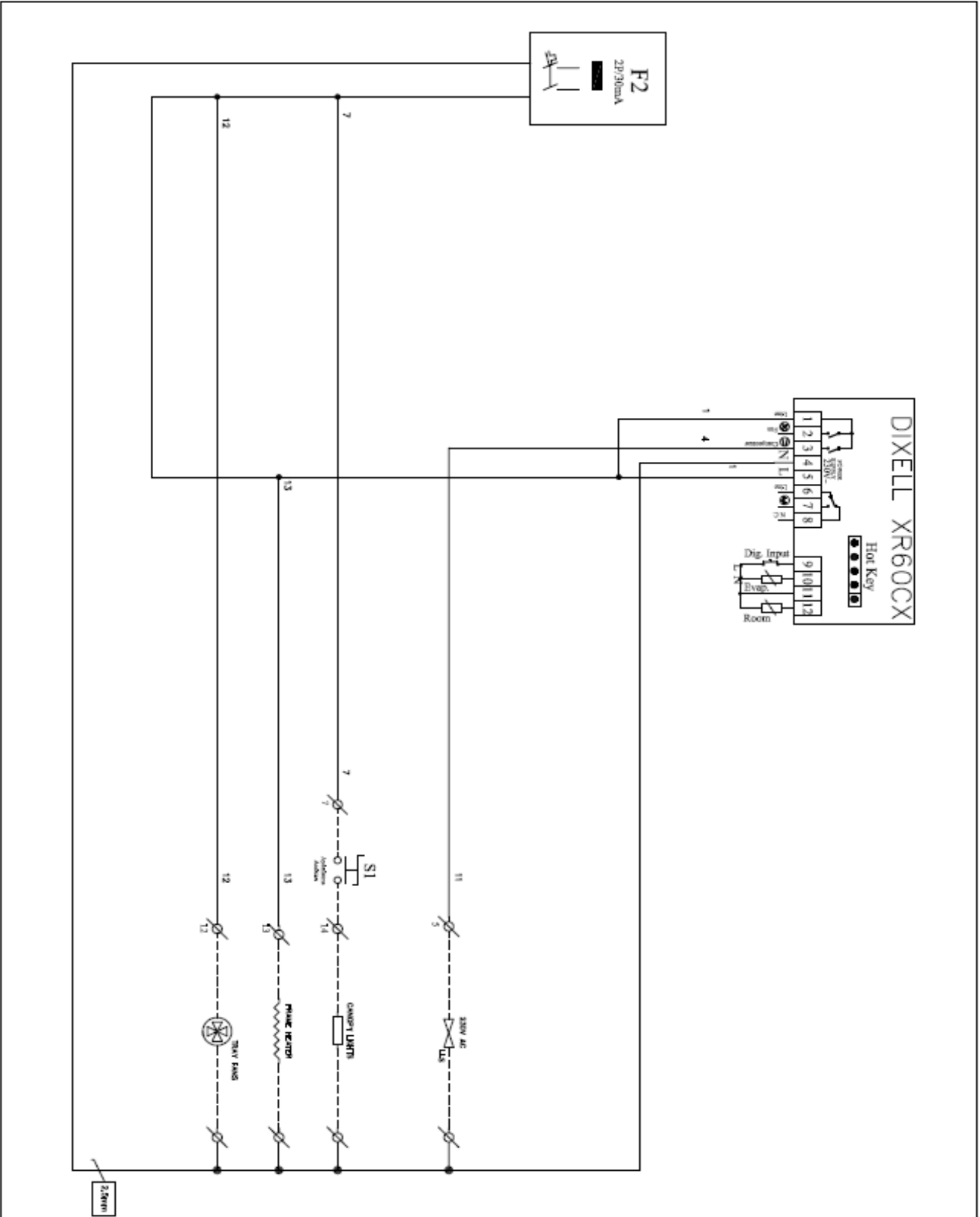


**Pb6 (S2) : PT 1000 PROB**  
**Pb3 (S3) : NTC PROB**  
**Pb2 (S5) : NTC PROB**  
**Pb1 (S4) : NTC PROB**

FUSES	
F1	CONTR. 10
F2	
F3	FANS 6
F4	
F5	
F6	
F7	LIGHTS 10
F8	
F9	
F10	
F11	
CONTACTORS	
C1	FANS R
C2	
C3	LIGHTS R
C4	
C5	
C10	

ALL LOADS 1 PHASE  
 Pn6 : 400 mA Transformer  
 Pn3 (S3) : Ambient coil  
 Pn3 (S5) : Air temperature  
 before the evaporator  
 Pn1 (S4) : Air temperature  
 inside the evaporator  
 Pn2 (S5) : Defrost sensor

DRN	KUR EDOVA BCI
CRD	
APRO	
DATE	31.03.2017
BY	DR
<b>Multideck</b> <b>Cabinets</b> <b>XM679KD02</b> <b>DIXEL</b> <b>XM679K</b>	

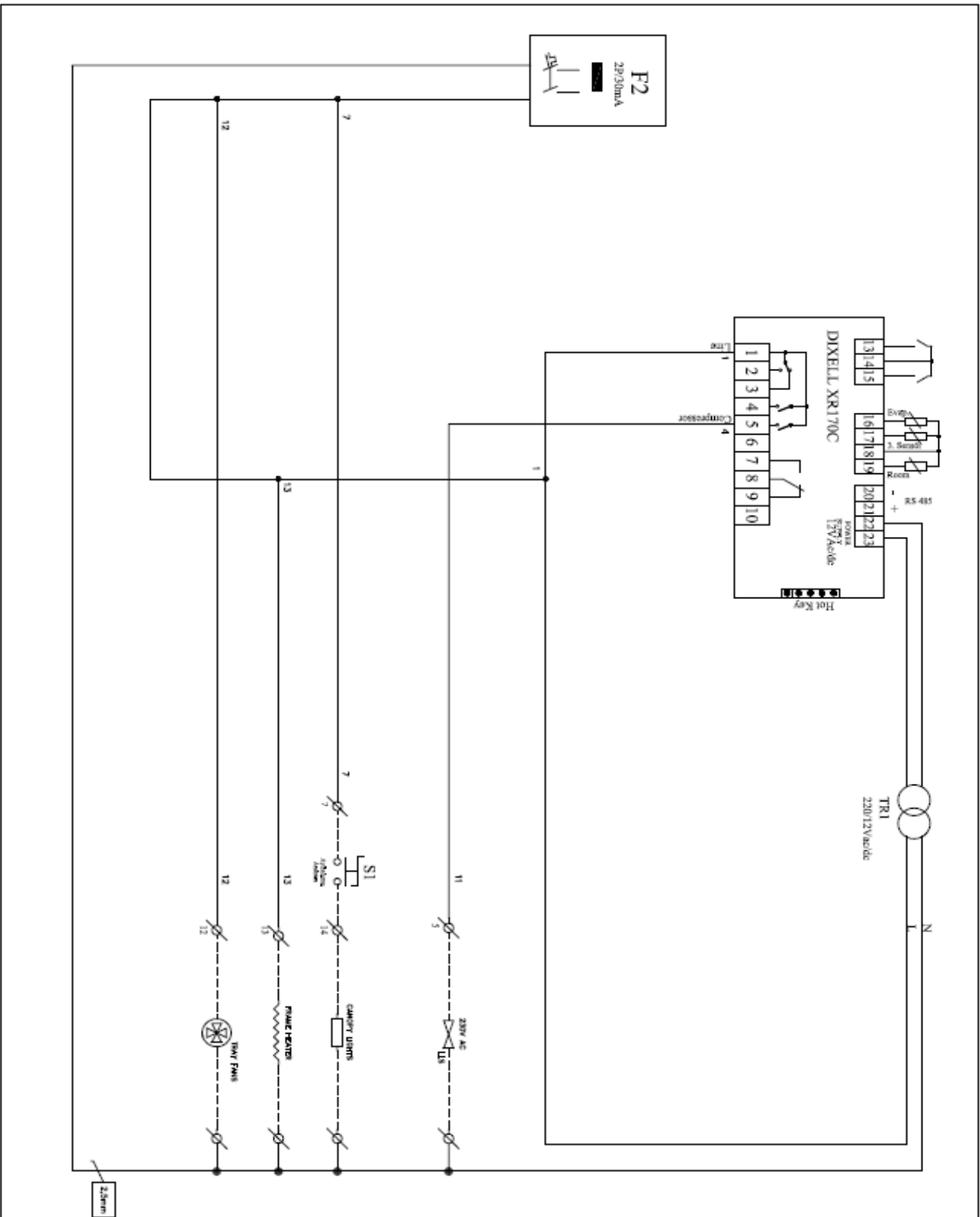


FUSES	
F1	CONTROL
F2	MAIN 25
F3	FANS
F4	
F5	
F6	
F7	LIGHTS
F8	
F9	
F10	
F11	
CONTACTORS	
C1	FANS 9A
C2	
C3	LIGHTS
C4	
C5	
C10	

DIXELL XR 60CX	
DEN.	SUPE ERGEN EC1
CHD.	
APPL.	
DATE	20.12.2012
REV.	01

MARKET / ŞİŞE SOĞ.	
XR 60CX PL01	
DIXELL	

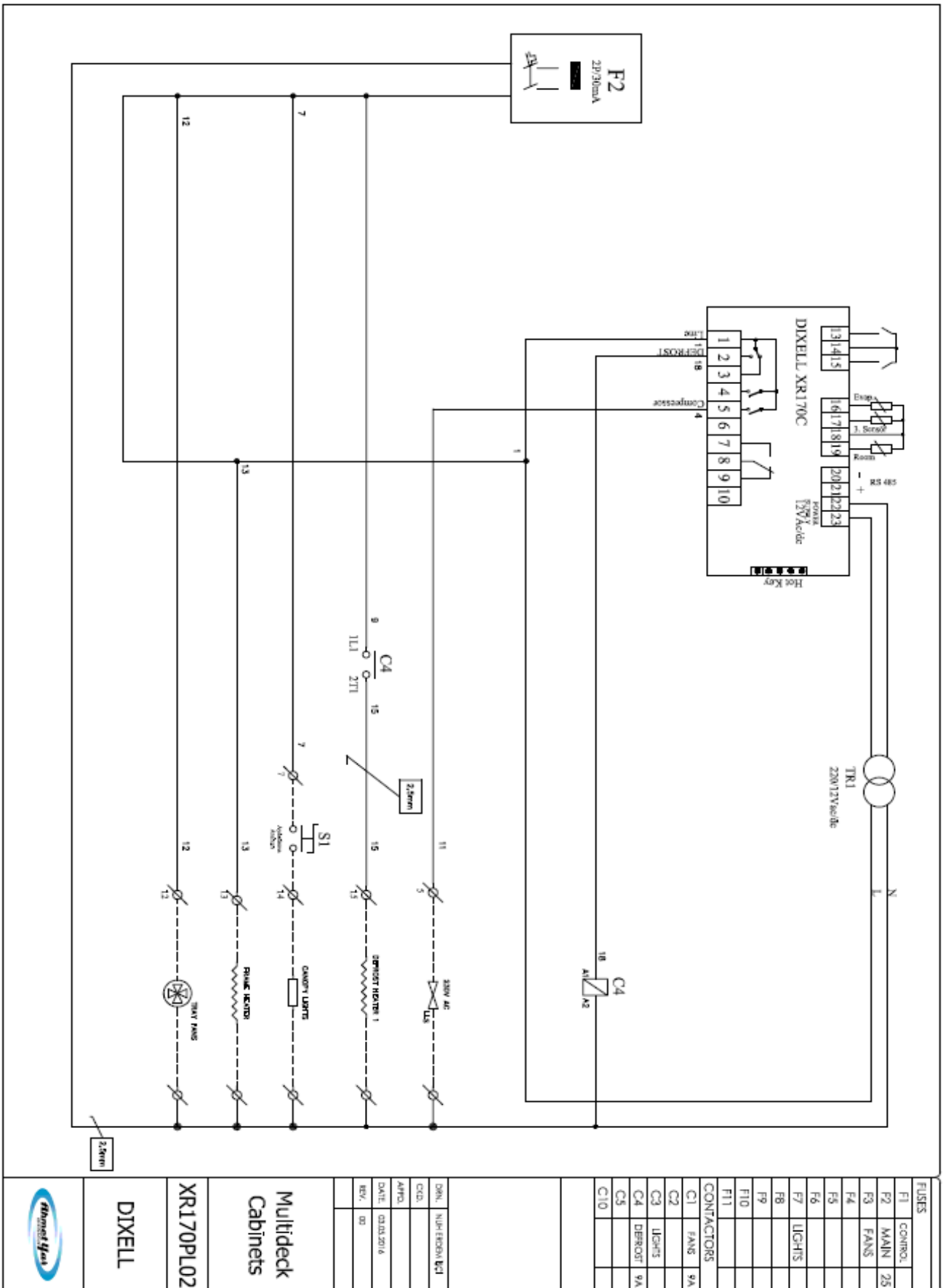




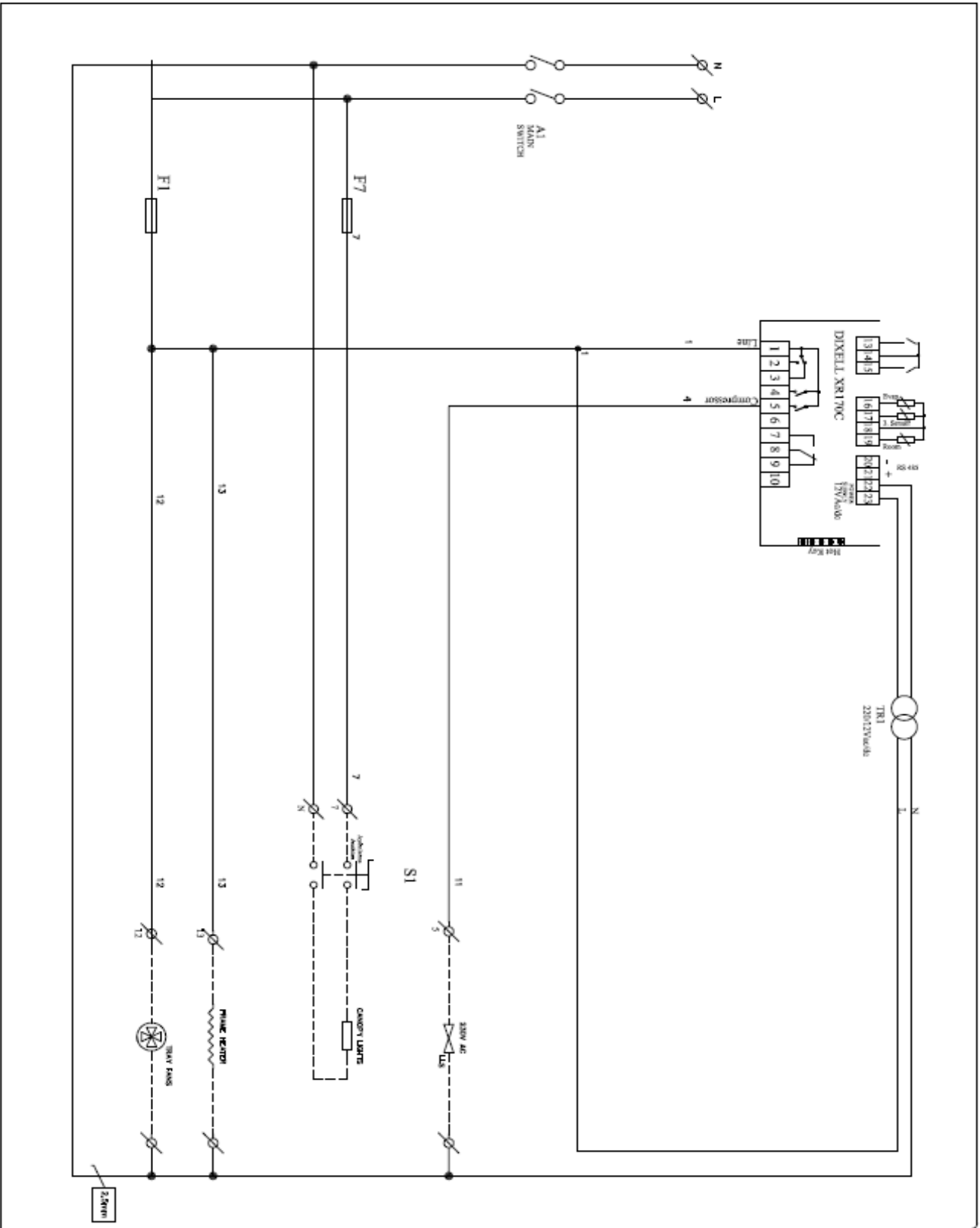
FUSES	
F1	CONTROL
F2	MAIN 25
F3	FANS
F4	
F5	
F6	
F7	LIGHTS
F8	
F9	
F10	
F11	
CONTACTORS	
C1	FANS VA
C2	
C3	LIGHTS
C4	
C5	
C10	

DIXELL  
 XR170PL01  
 Multideck  
 Cabinets  
 DIXELL  
 DRL: N/A REVISION: 01  
 CHD:  
 APP'D:  
 DATE: 04/08/2015  
 REV: 00





DIXELL	
XR170PL02	
Multideck Cabinets	
DIXELL	



FLUSES	
F1	CONROL 20
F2	MAIN
F3	FANS
F4	
F5	
F6	
F7	LIGHTS 10
F8	
F9	
F10	
F11	
CONTACTORS	
C1	FANS
C2	
C3	LIGHTS
C4	
C5	
C10	

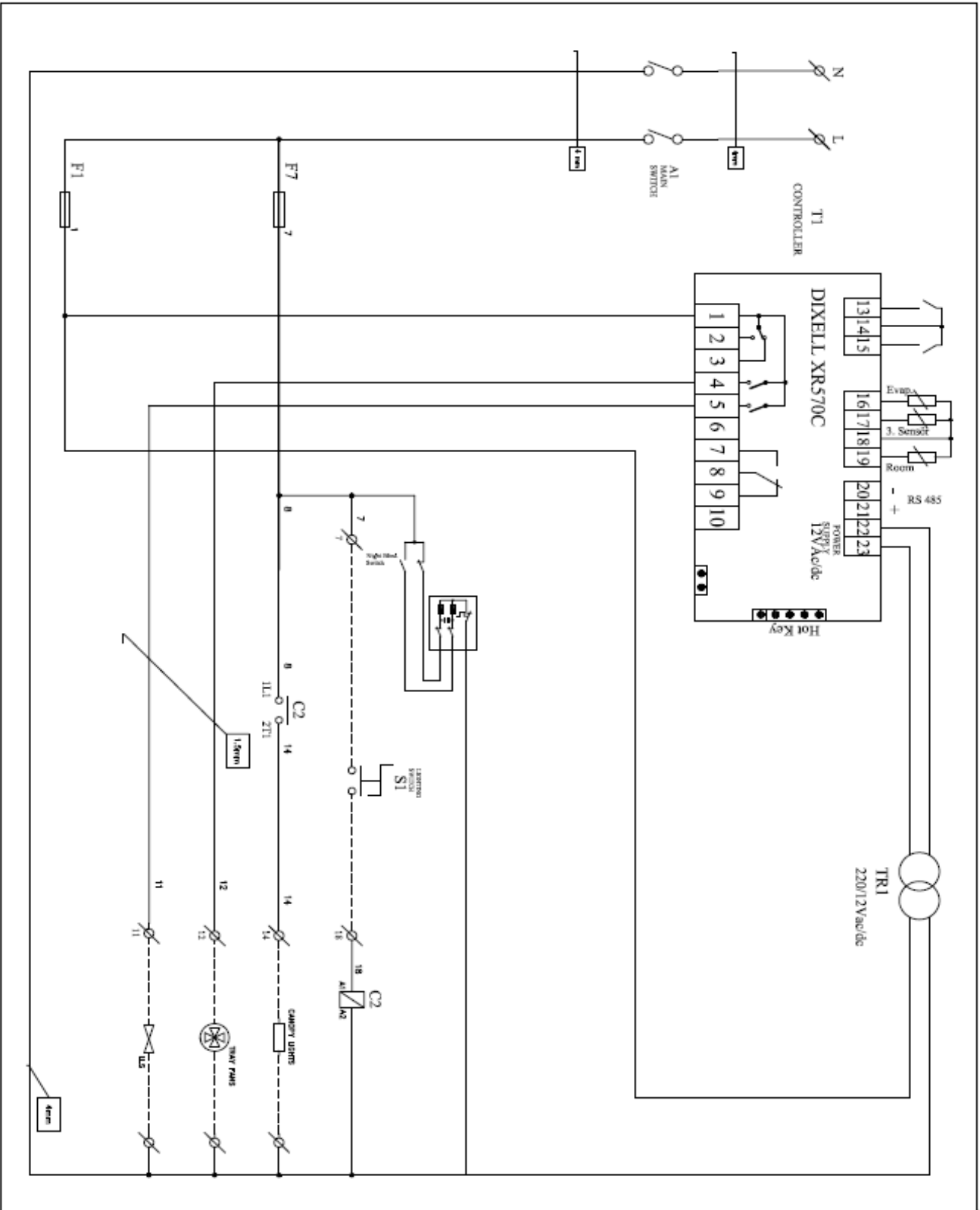
240V

DIXELL

XR170PL03

Multi-deck  
Cabinets





FUSES	
F1	CONTROL 6
F2	
F3	FANS 6
F4	
F5	
F6	
F7	LIGHTS 10
F8	
F9	D/F-1 10
F10	D/F-2
F11	
CONTACTORS	
C1	FANS R
C2	TRIMS R
C3	LIGHTS R
C4	DEFROST 9A
C5	DEFROST N/A
C10	COMPUNIT

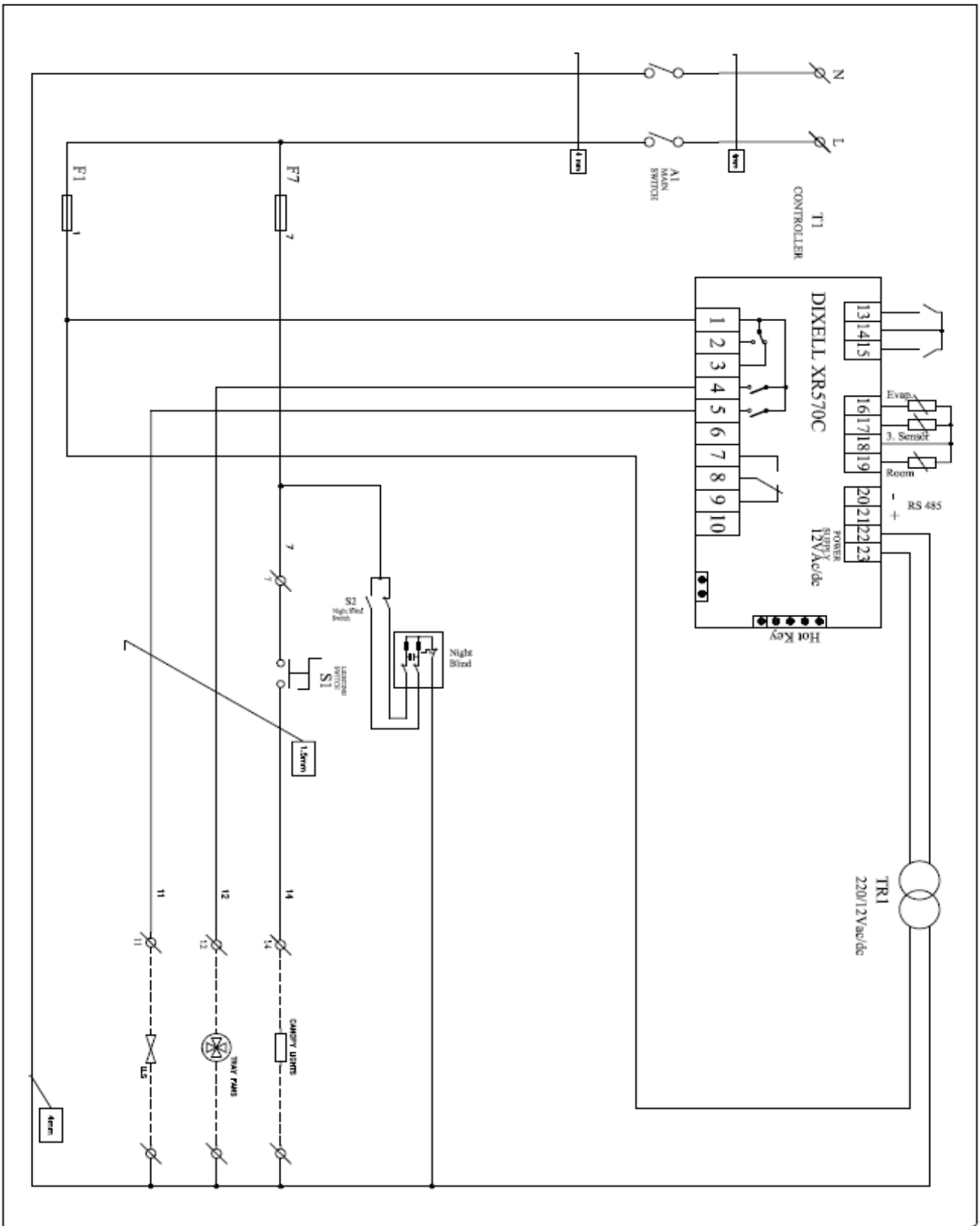
**Multideck Cabinets**

DEN	C. TURKNOGULU
CHB	
APPD	
DATE	09.07.2013
REV	00

**Dairy Vegetables**  
UNDERSHELF LIGHTING  
WIRING DIAGRAM

**XR570PL01**





FUSES	
F1	CONTROL 6
F2	
F3	FANS 6
F4	
F5	
F6	
F7	LIGHTS 6
F8	
F9	D/F 1
F10	D/F 2
F11	
CONTACTORS	
C1	FANS 8
C2	TIMS 8
C3	LIGHTS 8
C4	DEFROST 9A
C5	DEFROST N/A
C10	CONDUNIT

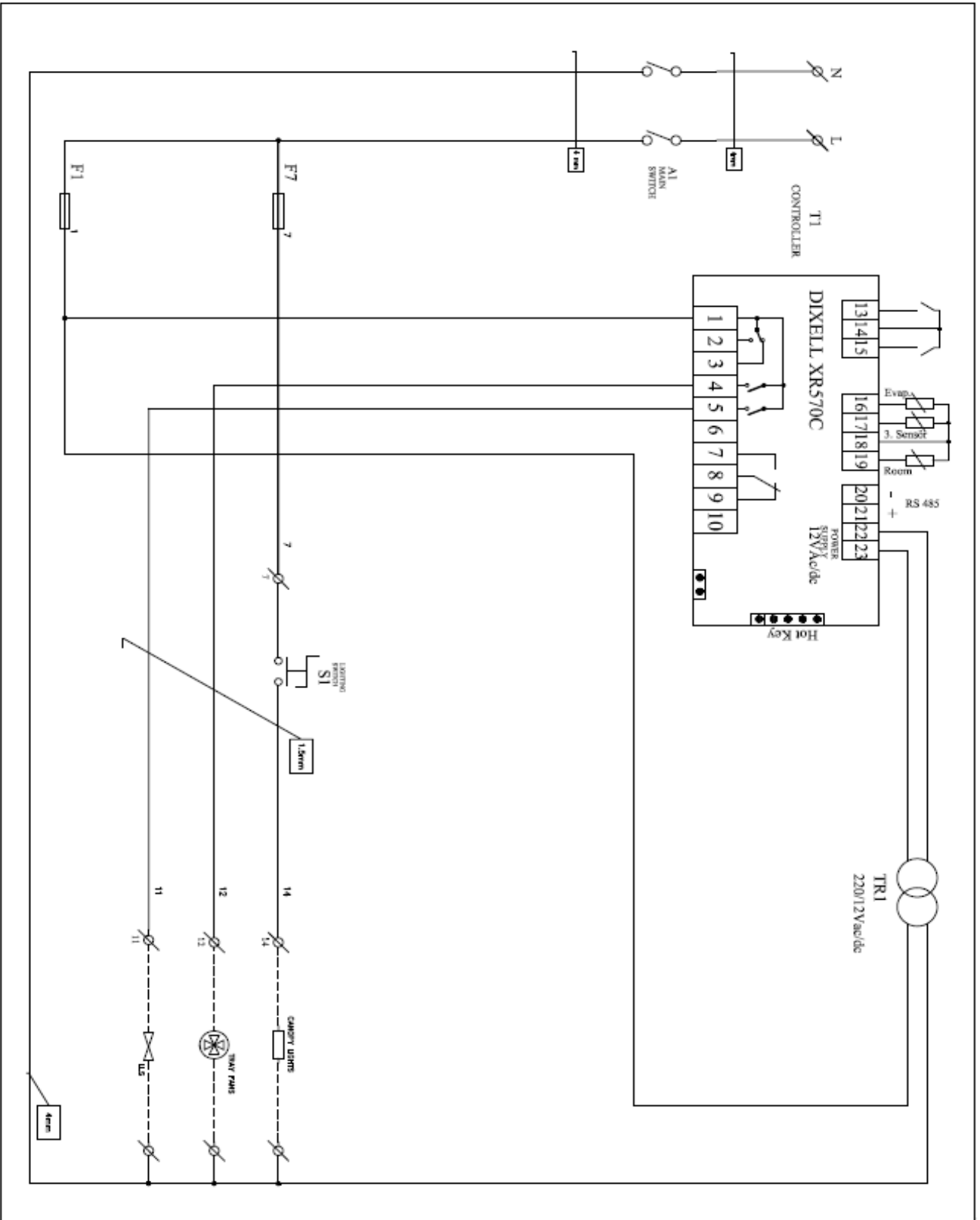
**Multideck Cabinets**

DRN	C. TURKSOYDAGI
CRN	
APPRO.	
DATE	09.07.2013
REV.	00

**Dairy Vegetables**

WIRING DIAGRAM

**XR570PL02**



FUSES	CONTROL	6
F1	CONTROL	6
F2	FANS	6
F3	FANS	6
F4		
F5		
F6		
F7	LIGHTS	6
F8	D/F-1	
F9	D/F-2	
F10		
F11		

CONTACTORS		
C1	FANS	R
C2	TRAY	R
C3	LIGHTS	R
C4	DEROCT	9A
C5	DEROCT	N/A
C10	COMMAND	

**Multideck  
Cabinets**

DRN	C. TURKNOĞLU
CRN	
APPRO	
DATE	09.07.2013
REV	00

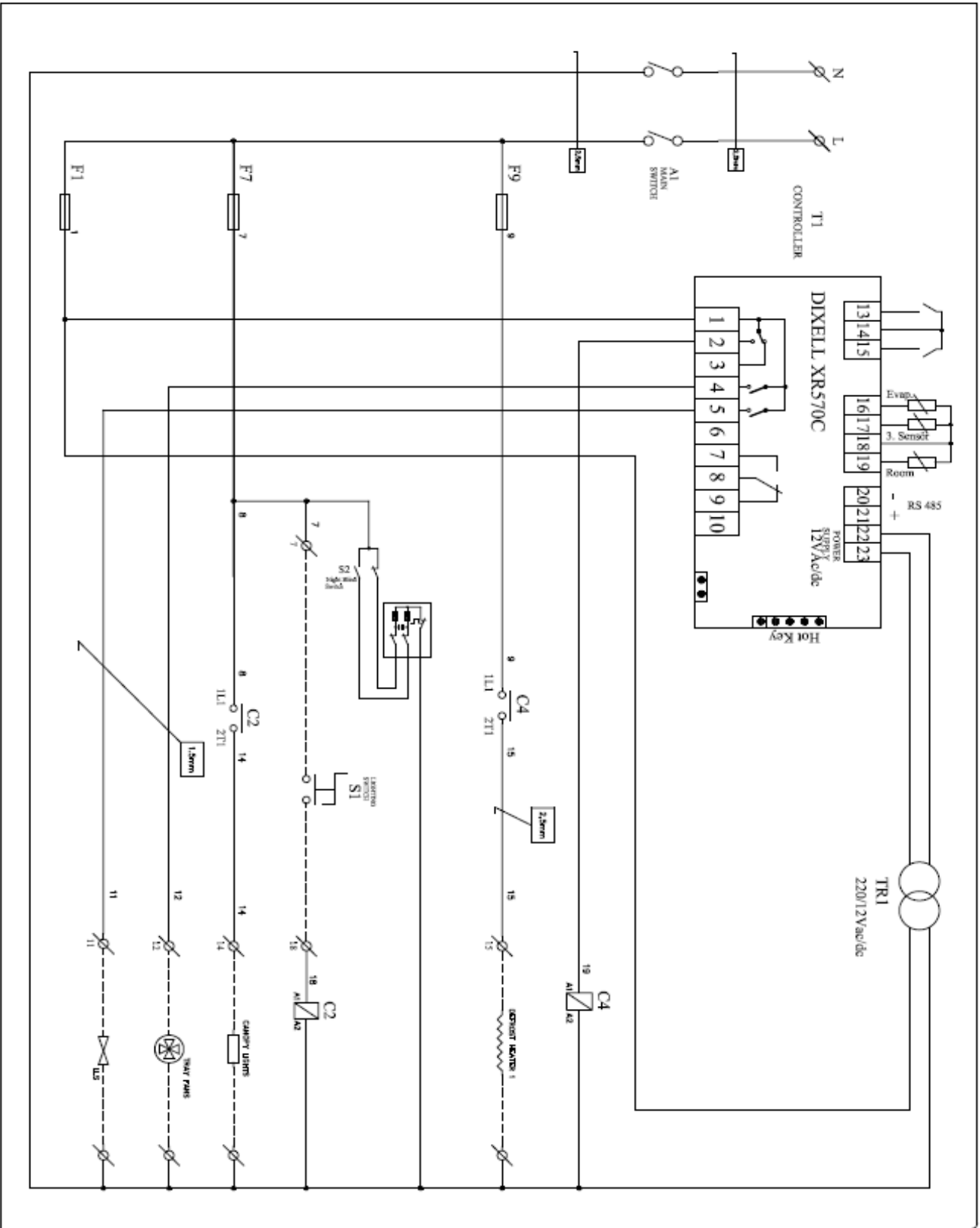
**Dairy  
Vegetables**

**WIRING DIAGRAM**

**XR570PL03**







FLUSES	
F1	CONTR. 6
F2	
F3	FANS 6
F4	
F5	
F6	
F7	LIGHTS 10
F8	
F9	D/F 1 10
F10	D/F 2
F11	
CONTACTORS	
C1	FANS 8
C2	TIMS 8
C3	LIGHTS 8
C4	DEROST 9A
C5	DEROST N/A
C10	CONDUIT

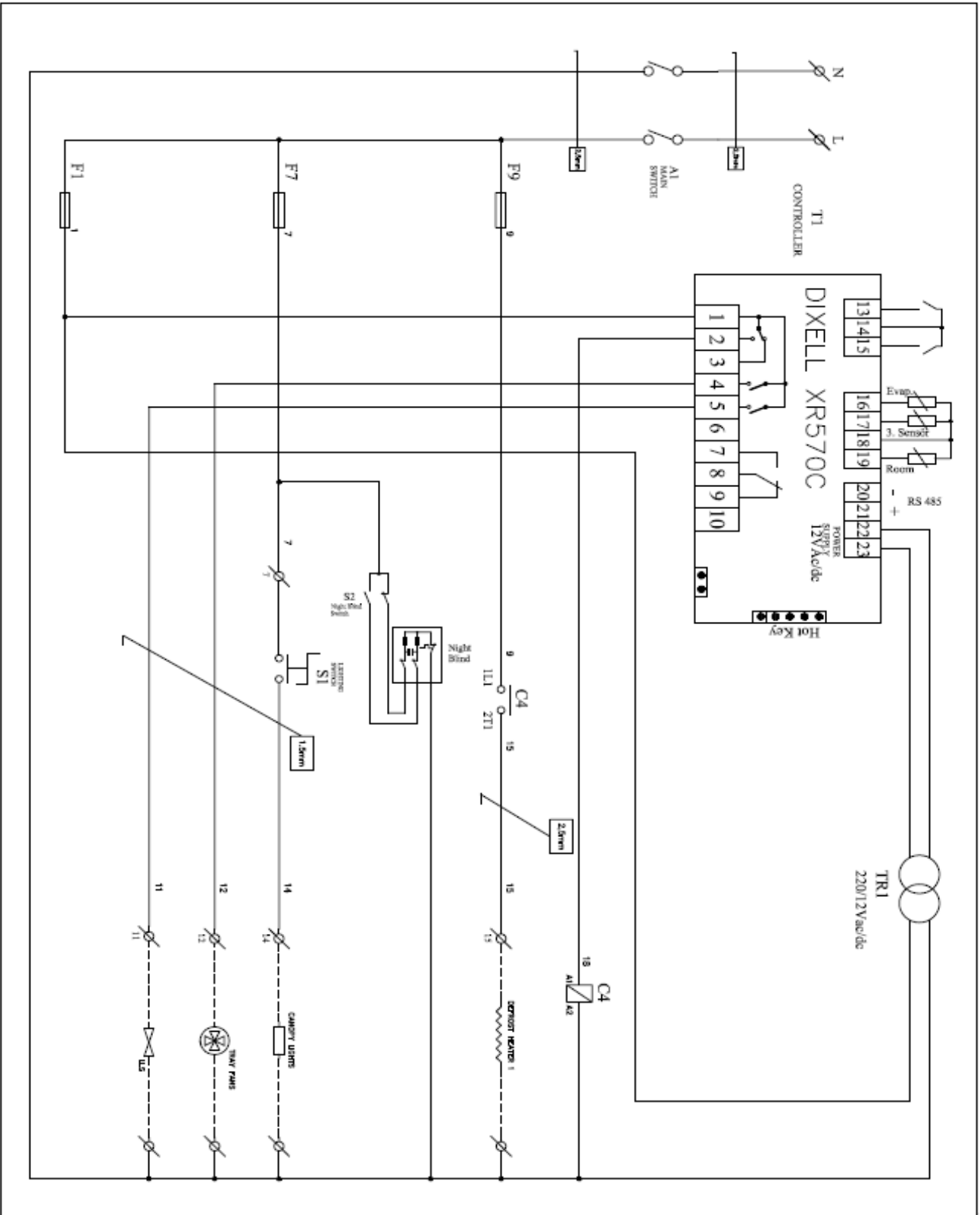
**Multideck Cabinets**

DNK C. UNKUTUDU  
 CMB  
 APPD.  
 DATE 09.07.2013  
 REV 00

**Dairy Vegetables UNDERSHELF LIGHTING**

WIRING DIAGRAM

**XR570PL04**



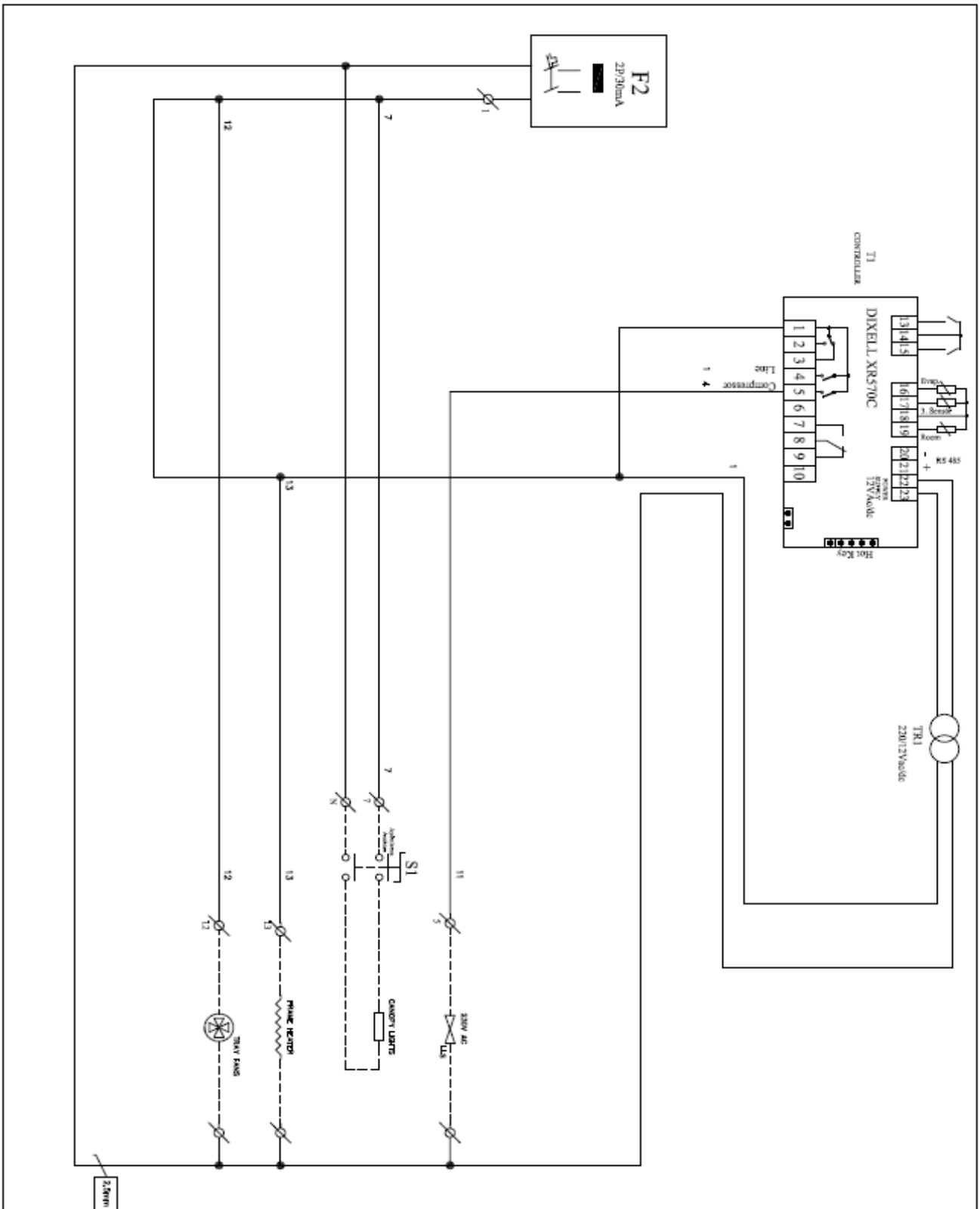
FUSES	F1	CONTROL	6
	F2	FANS	6
	F3	FANS	6
	F4		
	F5		
	F6		
	F7	LIGHTS	6
	F8		
	F9	D/F 1	10
	F10	D/F 2	
	F11		
CONTACTORS			
	C1	FANS	R
	C2	TRIMS	R
	C3	LIGHTS	R
	C4	DEFROST	9A
	C5	DEFROST	N/A
	C10	CONDUIT	

**Multideck Cabinets**

DENL	C. DURAKOĞLU
ÇİM	
APPRO.	
DATE	09.07.2013
REV.	00

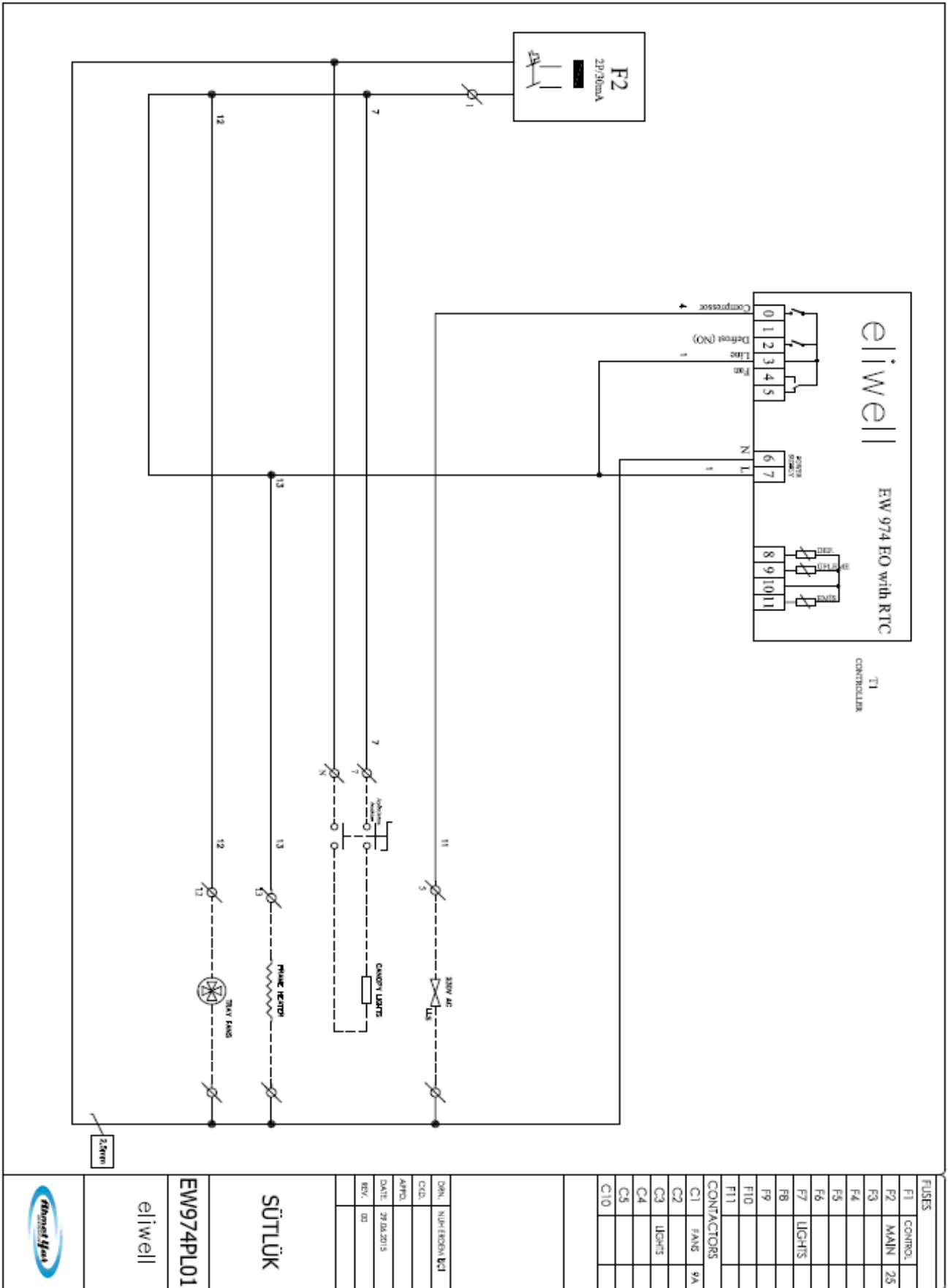
**MEAT**

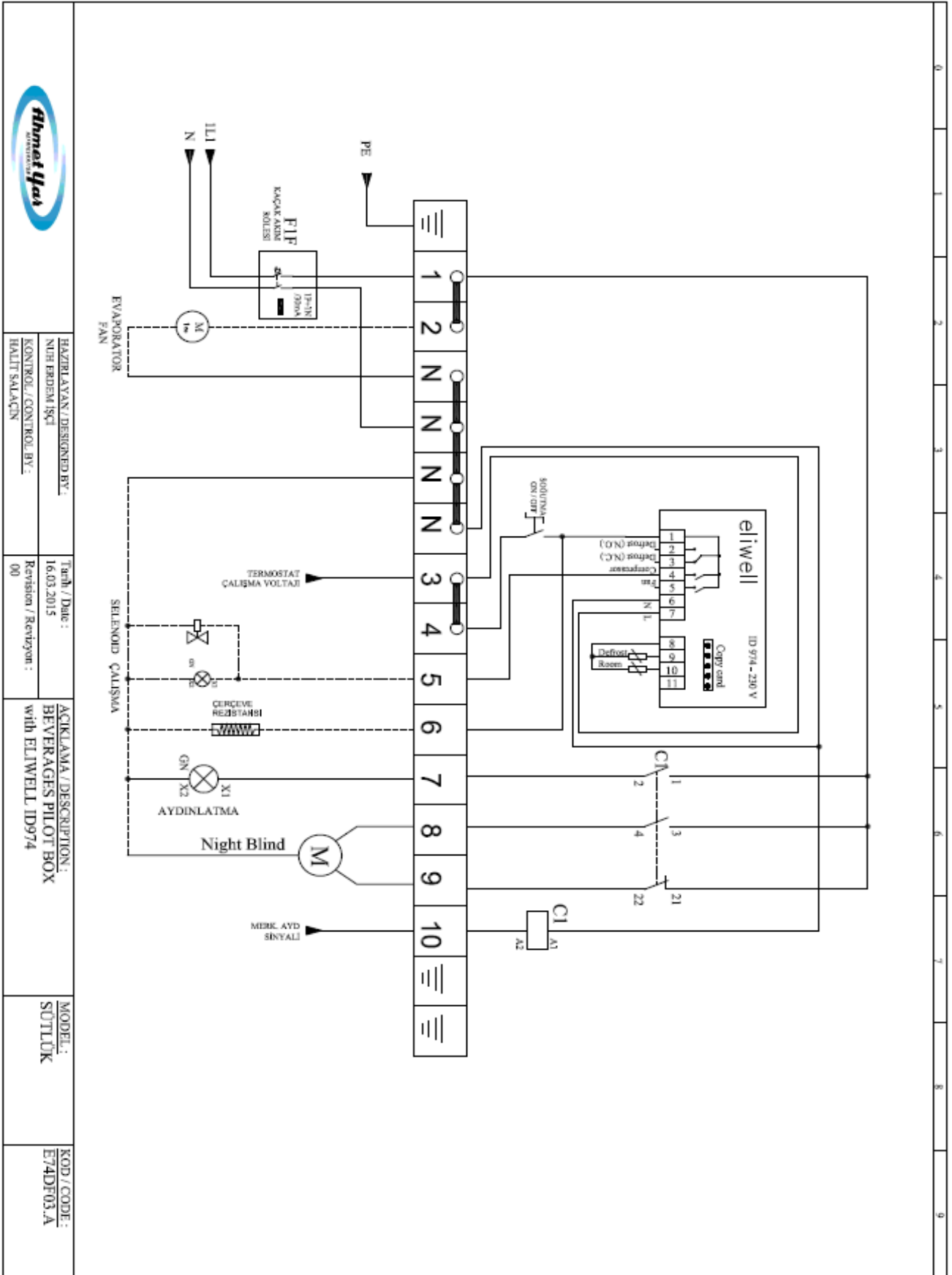
WIRING DIAGRAM  
XR570P105



FUSES	
F1	CONTROL
F2	MAIN 25
F3	FANS
F4	
F5	
F6	
F7	LIGHTS
F8	
F9	
F10	
F11	
CONTACTORS	
C1	FANS 9A
C2	
C3	LIGHTS
C4	
C5	
C10	

**SÜTLÜK**
  
**XR570PL06**
  
**DIXELL**





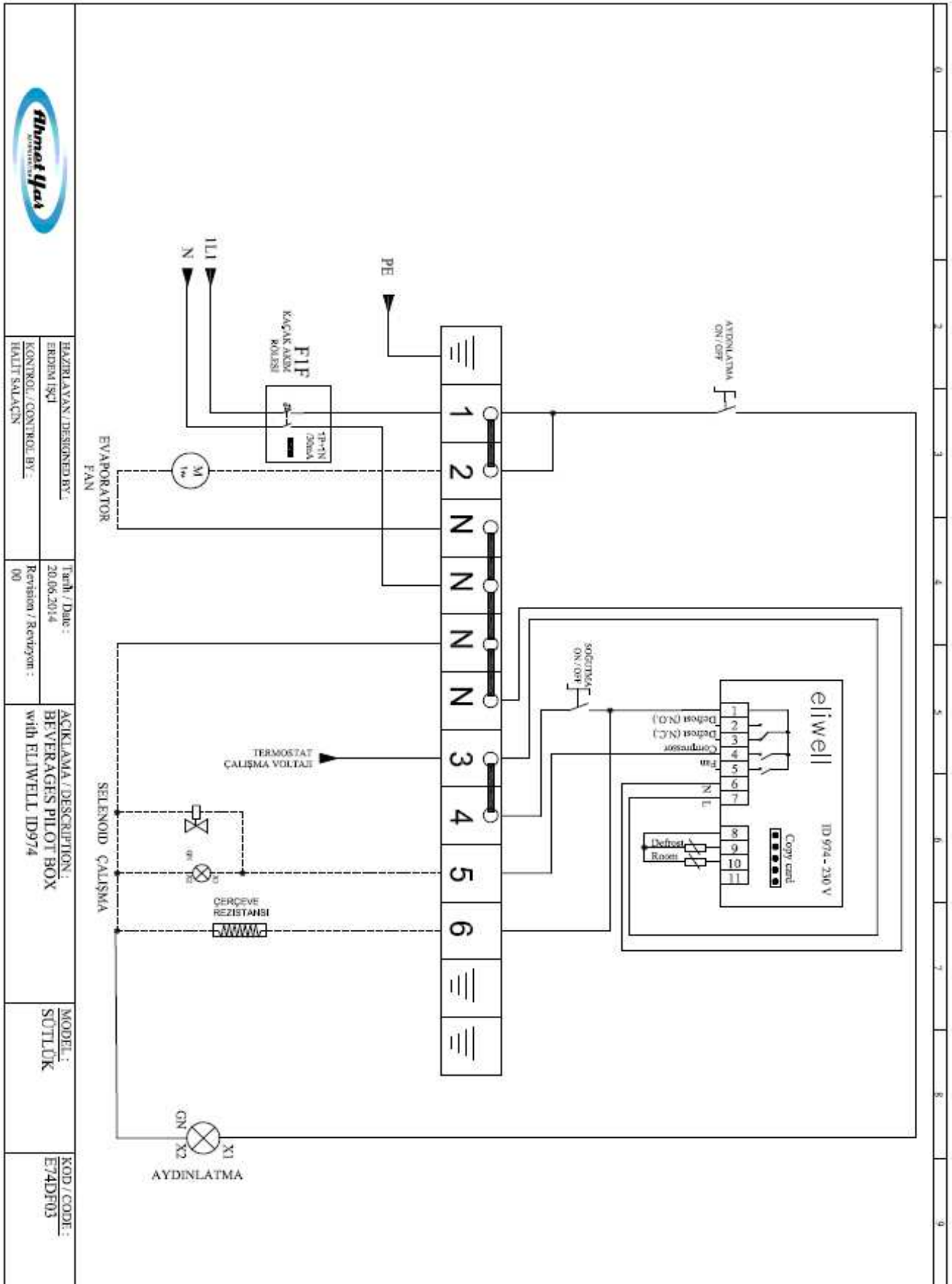
HAZIRLAYAN / DESIGNED BY :  
NUR ERDEM İŞÇİ  
KONTROL / CONTROL BY :  
HALİT SALAÇIN

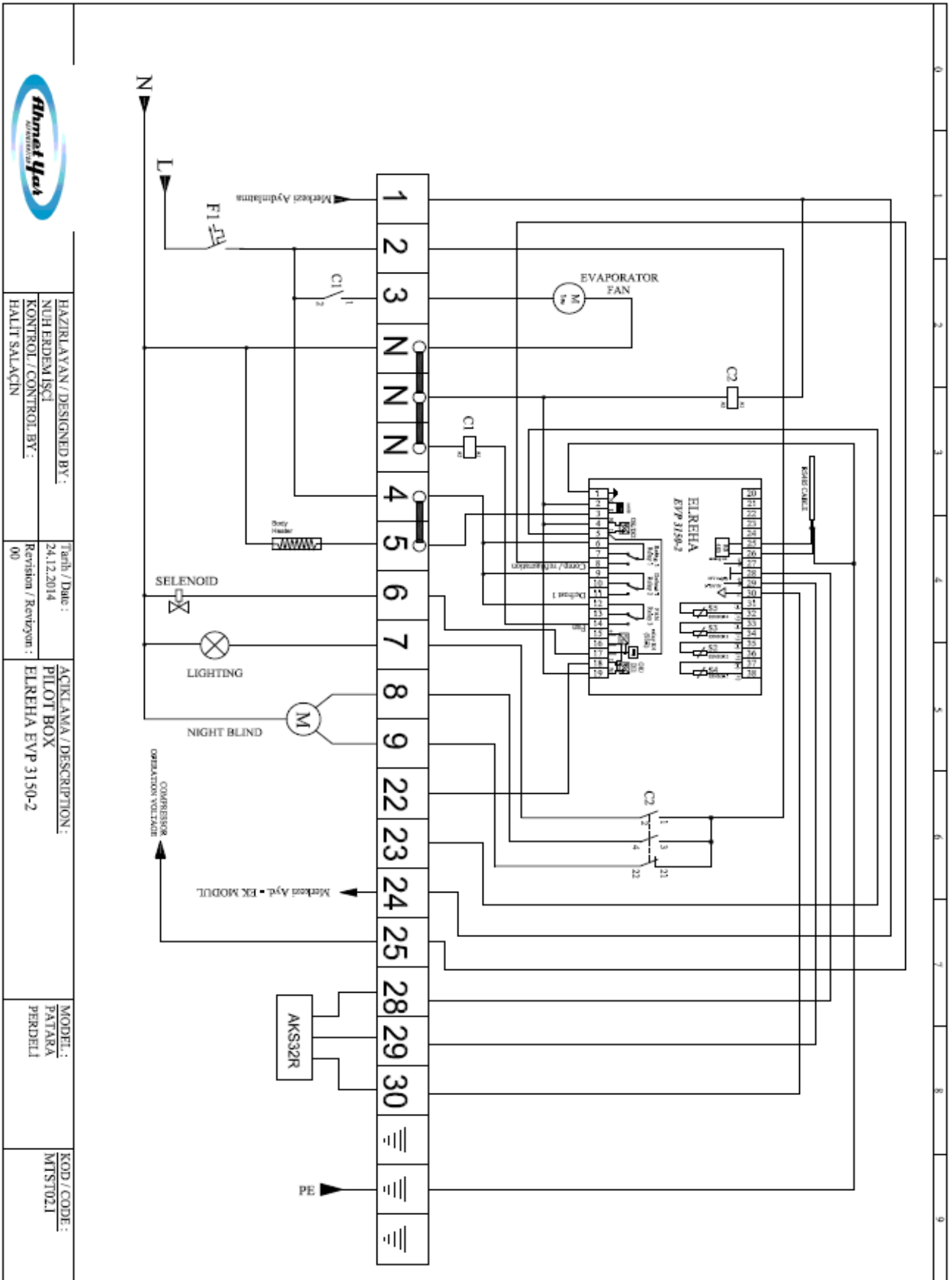
Tarih / Date :  
16.03.2015  
Revizyon / Revision :  
00

AÇIKLAMA / DESCRIPTION :  
BEVERAGES PLOT BOX  
with ELIWELL ID974

MODEL :  
SÜTLÜK

KOD / CODE :  
E74DF03.A





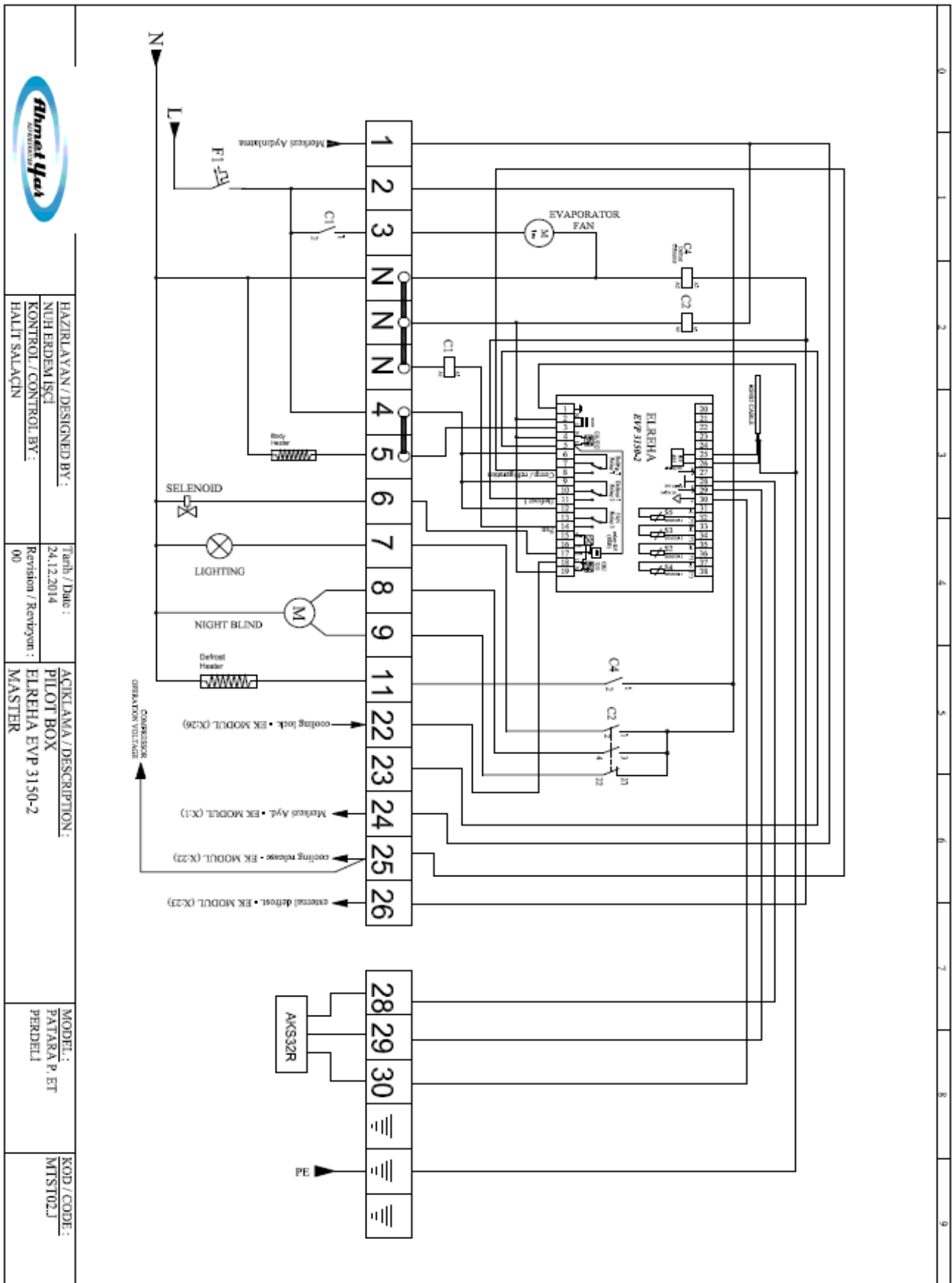
HAZIRLAYAN / DESIGNED BY:  
 NUH ERDEM İŞÇİ  
 KONTROL / CONTROL BY:  
 HALİT SALAÇIN

Tarih / Date :  
 24.12.2014

ACIKLAMA / DESCRIPTION:  
 PILOT BOX  
 ELREHA EVP 3150-2

MODEL :  
 PATARA  
 PERDELİ

KOD / CODE :  
 MTS1021



HAZIRLAYAN / DESIGNED BY:  
 NUR ERDEM İŞÇİ  
 KONTROL / CONTROL BY:  
 HALİT SALAÇIN

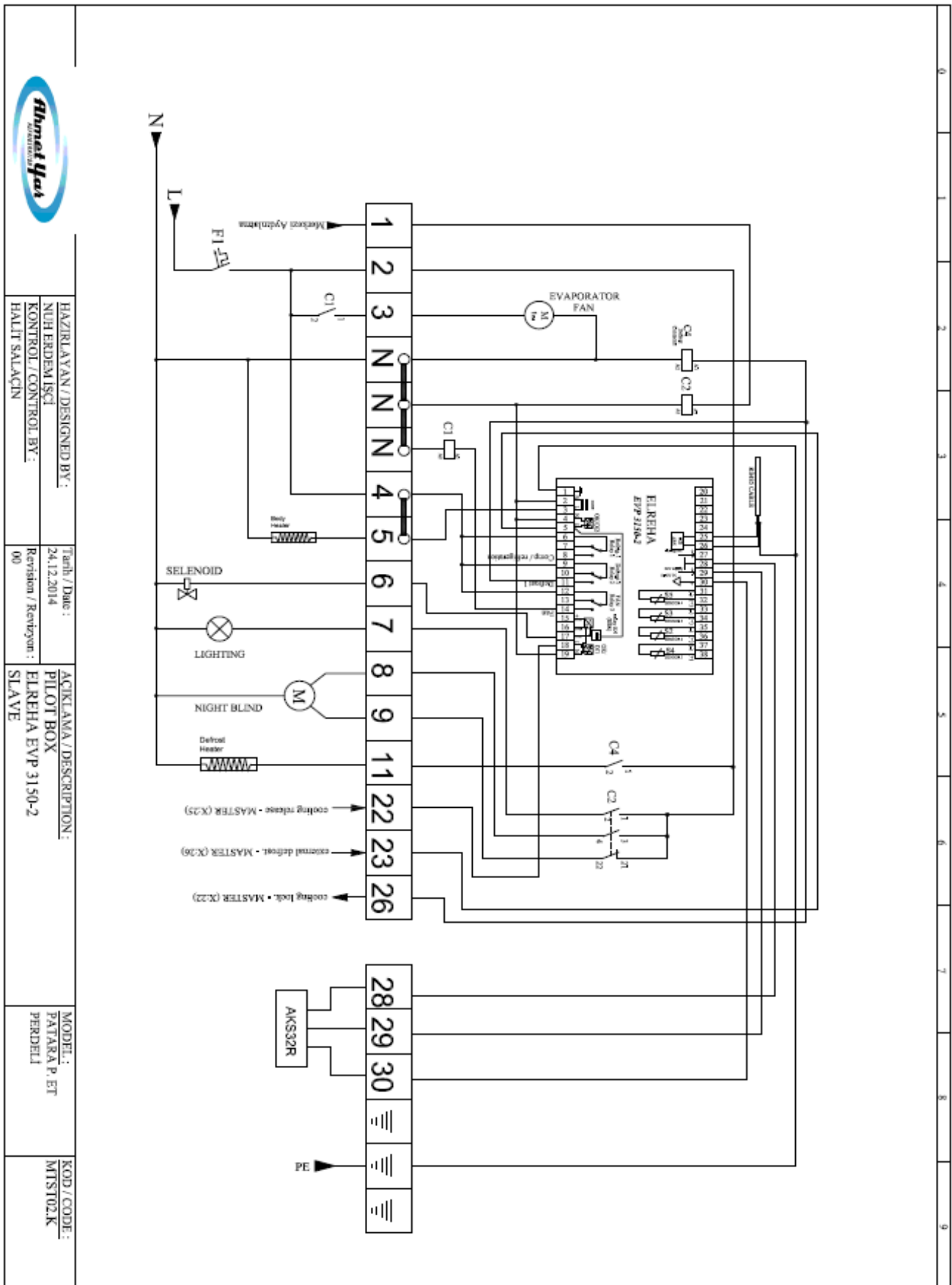
Tarih / Date :  
 24.12.2014  
 Revision / Revizyon :  
 00

ACIKLAMA / DESCRIPTION:  
 PILOT BOX  
 ELREHA EVP 3150-2  
 MASTER

MODEL :  
 PATARA P. ET  
 PERDELI

KOD / CODE :  
 MTS102J





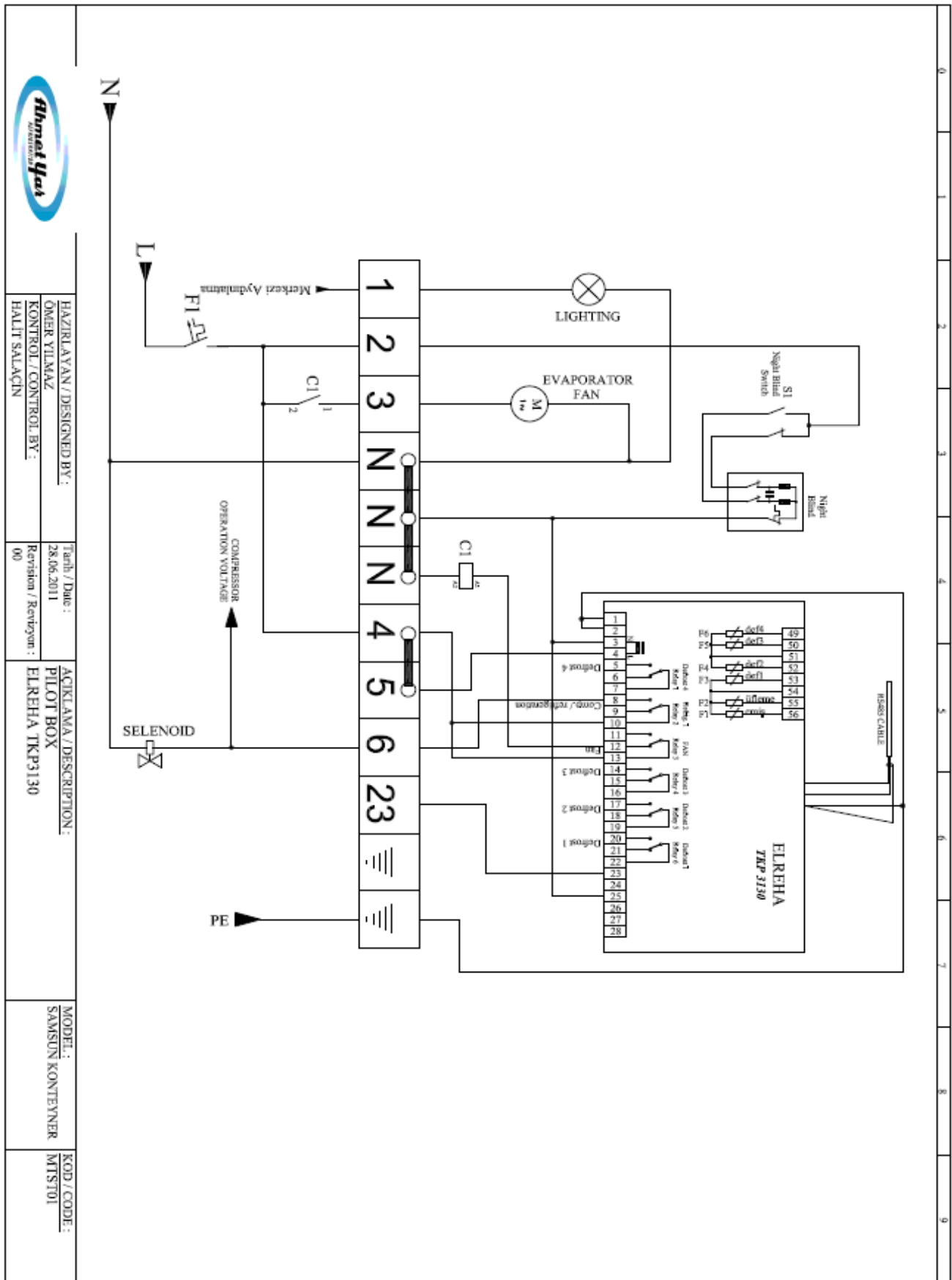
HAZIRLAYAN / DESIGNED BY:  
NUH ERDEM İŞÇİ  
KONTROL / CONTROL BY:  
HALİT SALAÇIN

Tarih / Date :  
24.12.2014  
Revision / Revizyon :  
00

ACIKLAMA / DESCRIPTION:  
PILOT BOX  
ELREHA EVP 3150-2  
SLAVE

MODEL:  
PATARA P. ET  
PERDELLİ

KOD / CODE:  
MTST02.K



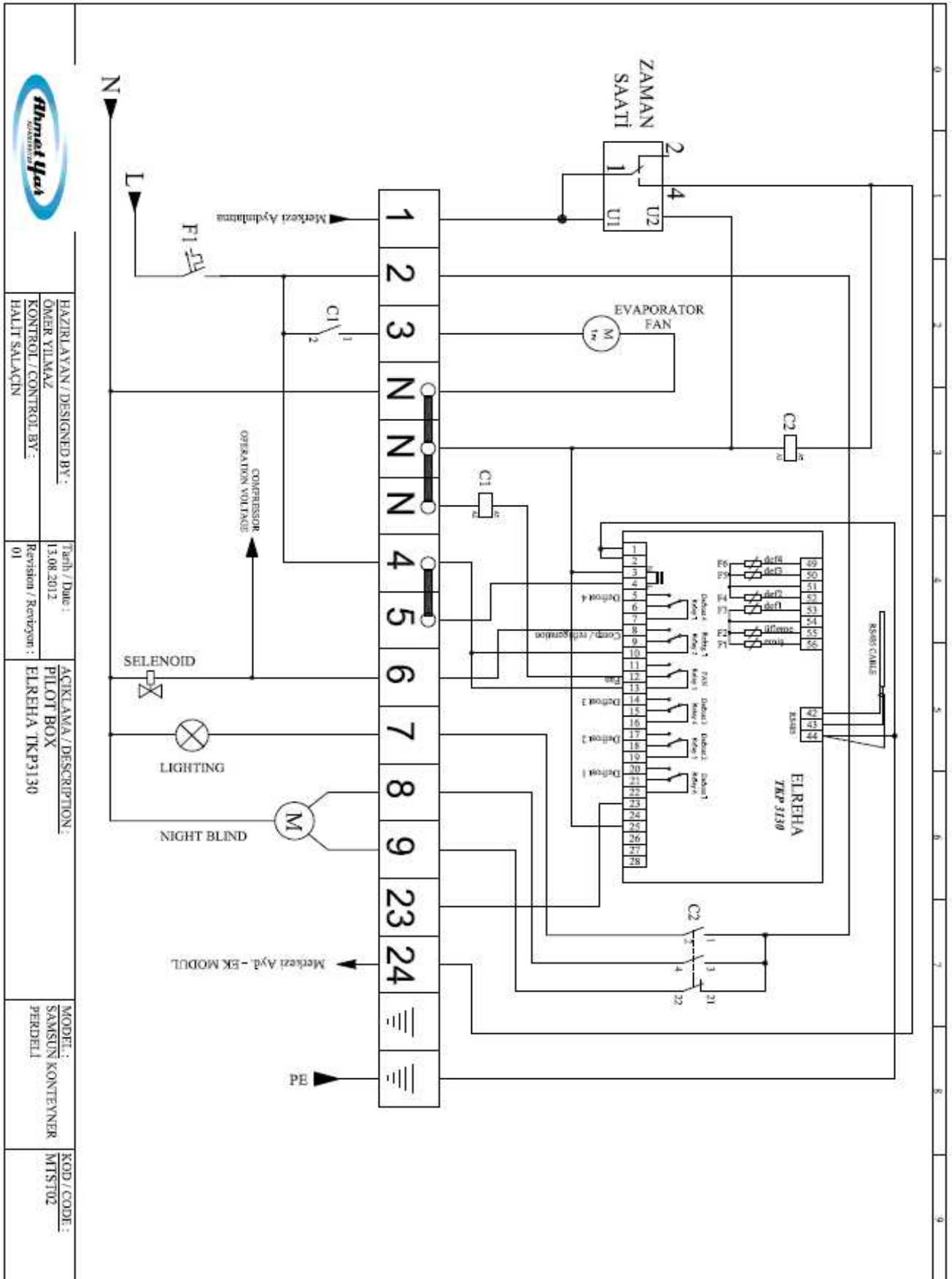
HAZIRLAYAN / DESIGNED BY:  
OMER YILMAZ  
KONTROL / CONTROL BY:  
HALIT SALAÇIN

Tarih / Date :  
28.06.2011  
Revision / Revizyon :  
00

ACIKLAMA / DESCRIPTION:  
PILOT BOX  
ELREHA TKP3130

MODEL:  
SAMSON KONTENYER

KOD / CODE:  
MTST01



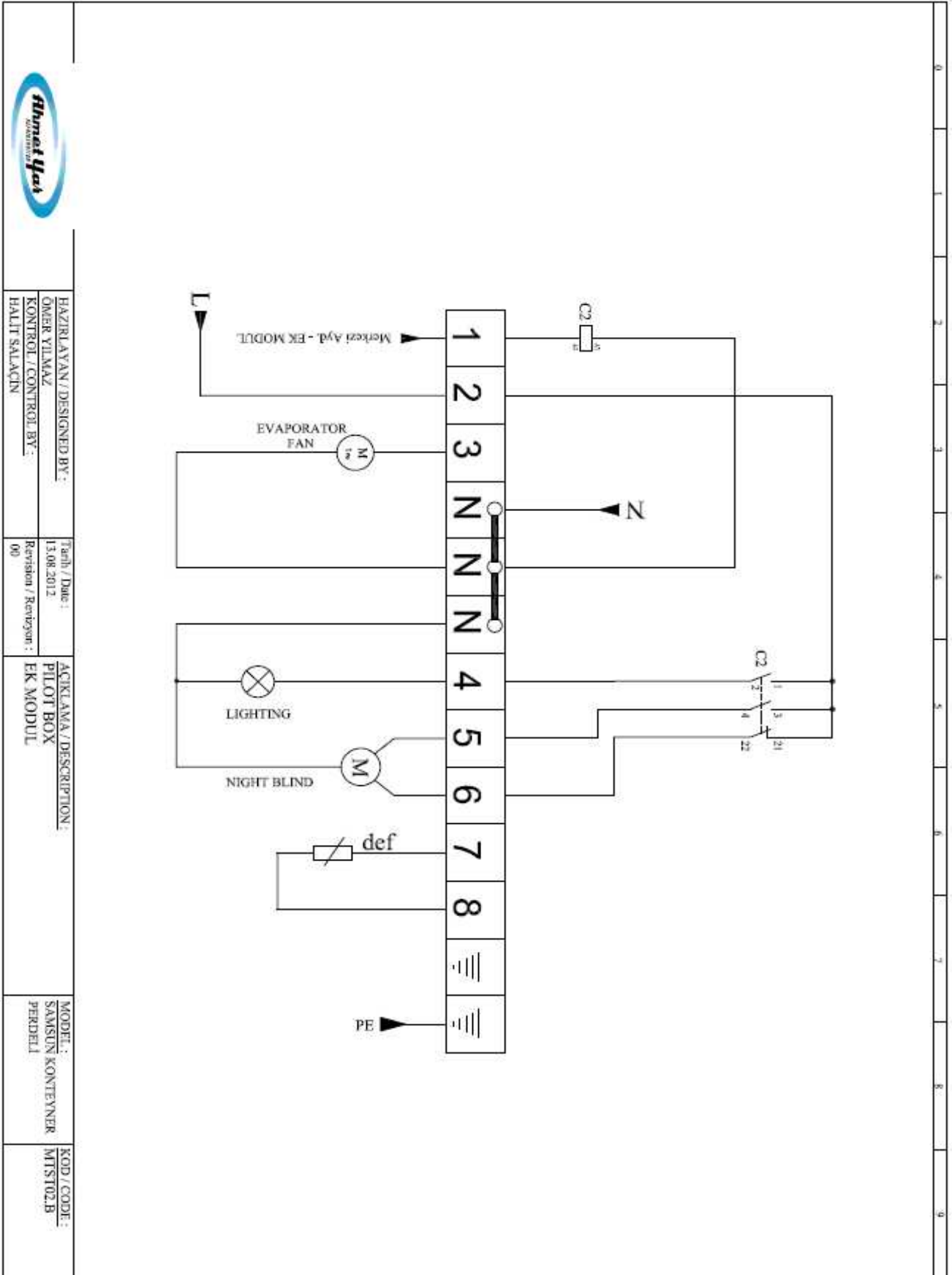
HAZIRLAYAN / DESIGNED BY: OMER YILMAZ  
KONTROL / CONTROL BY: HALIT SALACIN

Tarih / Date: 13.08.2012  
Revision / Revision: 01

ACIKLAMA / DESCRIPTION: PILOT BOX  
ELREHA TKP3130

MODEL: SAMSUN KONTENNER PERDELLI

KOD / CODE: MTS102



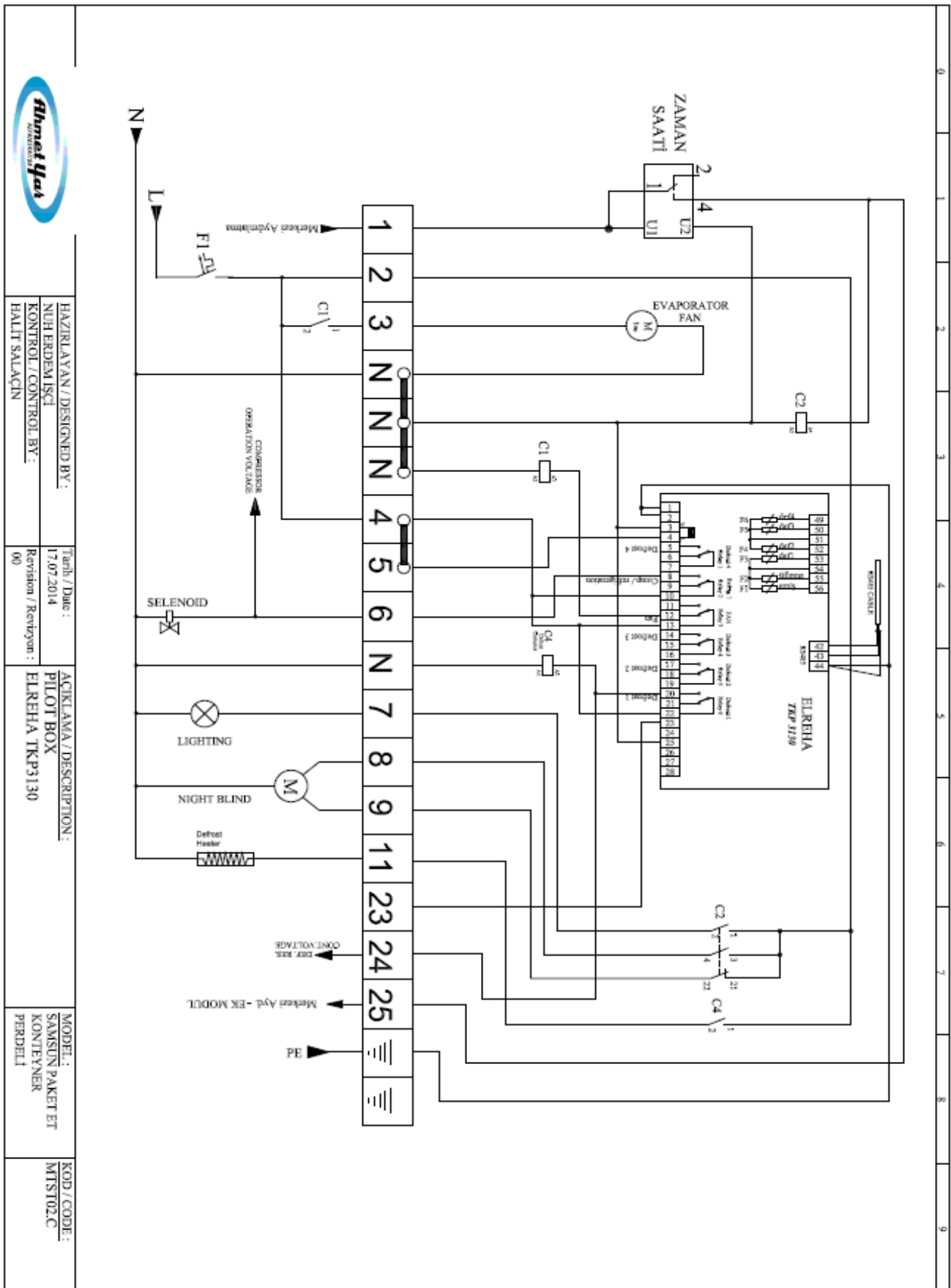
HAZIRLAYAN / DESIGNED BY :  
 ÖMER YILMAZ  
 KONTROL / CONTROL BY :  
 HALİT SALAÇIN

Tarih / Date :  
 13.08.2012  
 Revizyon / Revision :  
 00

ACIKLAMA / DESCRIPTION:  
 PILOT BOX  
 EK MODUL

MODEL :  
 SAMSUN KONTENYER  
 PERDELİ

KOD / CODE :  
 MT102B



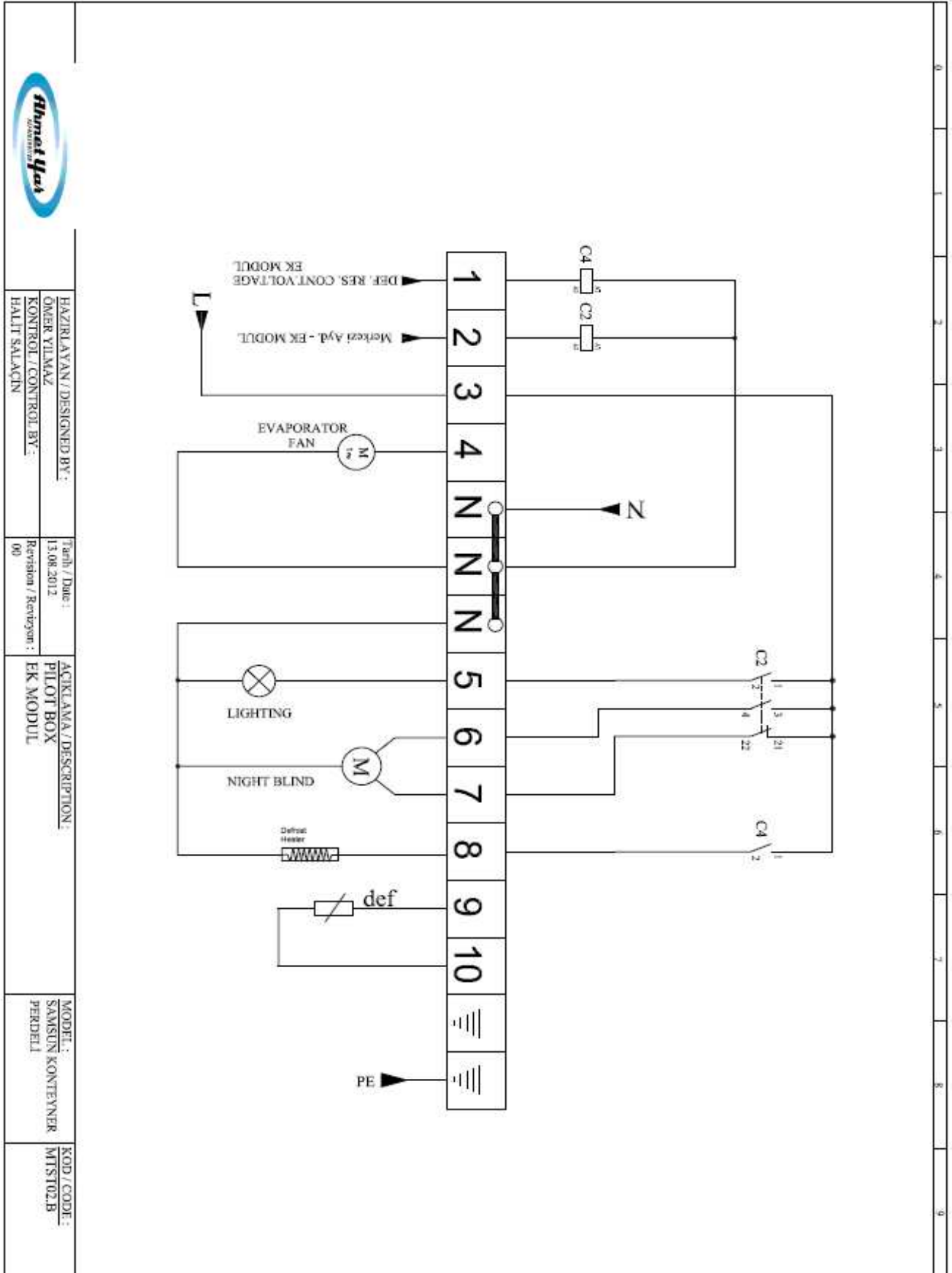
HAZIRLAYAN / DESIGNED BY :  
 NUH ERDEM İŞÇİ  
 KONTROL / CONTROL BY :  
 HALİT SALAÇIN

Tarih / Date :  
 17.07.2014  
 Revision / Revizyon :  
 00

AÇIKLAMA / DESCRIPTION :  
 PILOT BOX  
 ELREHA TKP3130

MODEL :  
 SAMSUN PAKET ET  
 KONTENNER  
 PERDELİ

KOD / CODE :  
 MTST02.C



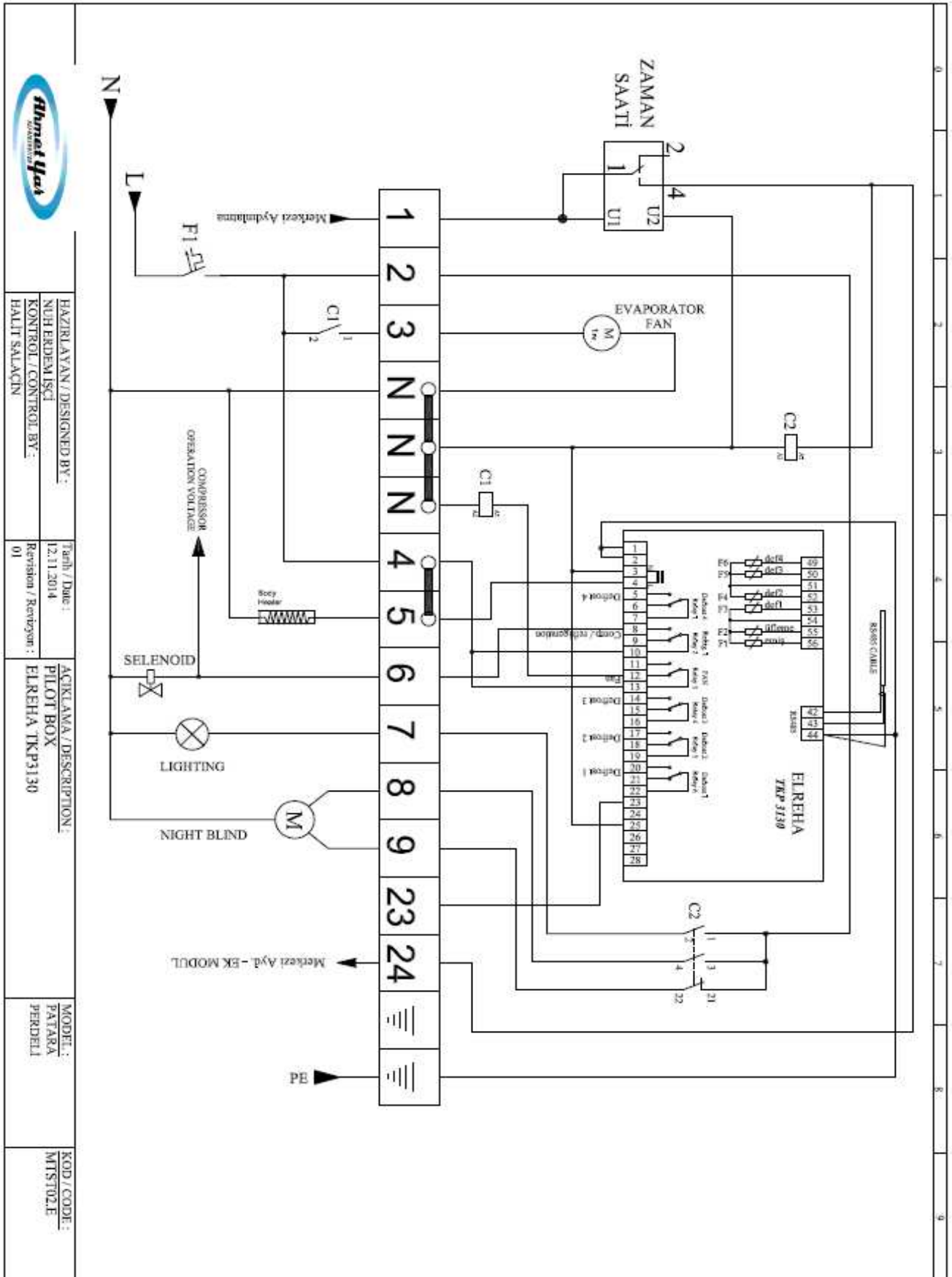
HAZIRLAYAN / DESIGNED BY :  
 ÖMER YILMAZ  
 KONTROL / CONTROL BY :  
 HALİT SALAÇIN

Tarih / Date :  
 13.08.2012  
 Revision / Revizyon :  
 00

AÇIKLAMA / DESCRIPTION:  
 PILOT BOX  
 EK MODUL

MODEL :  
 SAMSUN KONTAYNER  
 PERDELİ

KOD / CODE :  
 MT102B



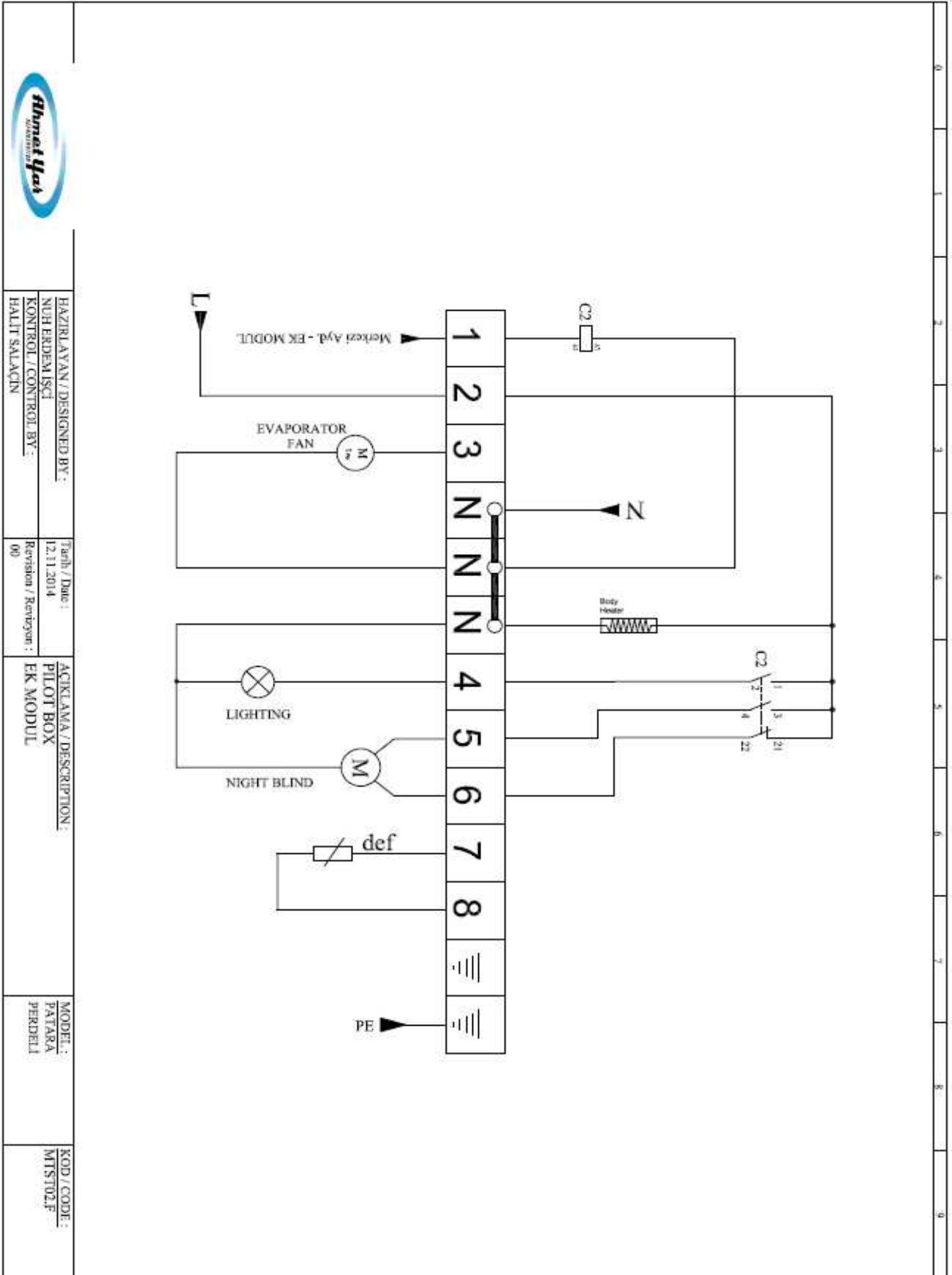
HAZIRLAYAN / DESIGNED BY :  
 NUR ERDEM İŞÇİ  
 KONTROL / CONTROL BY :  
 HALİT SALAÇIN

Tarih / Date :  
 12.11.2014  
 Revision / Revizyon :  
 01

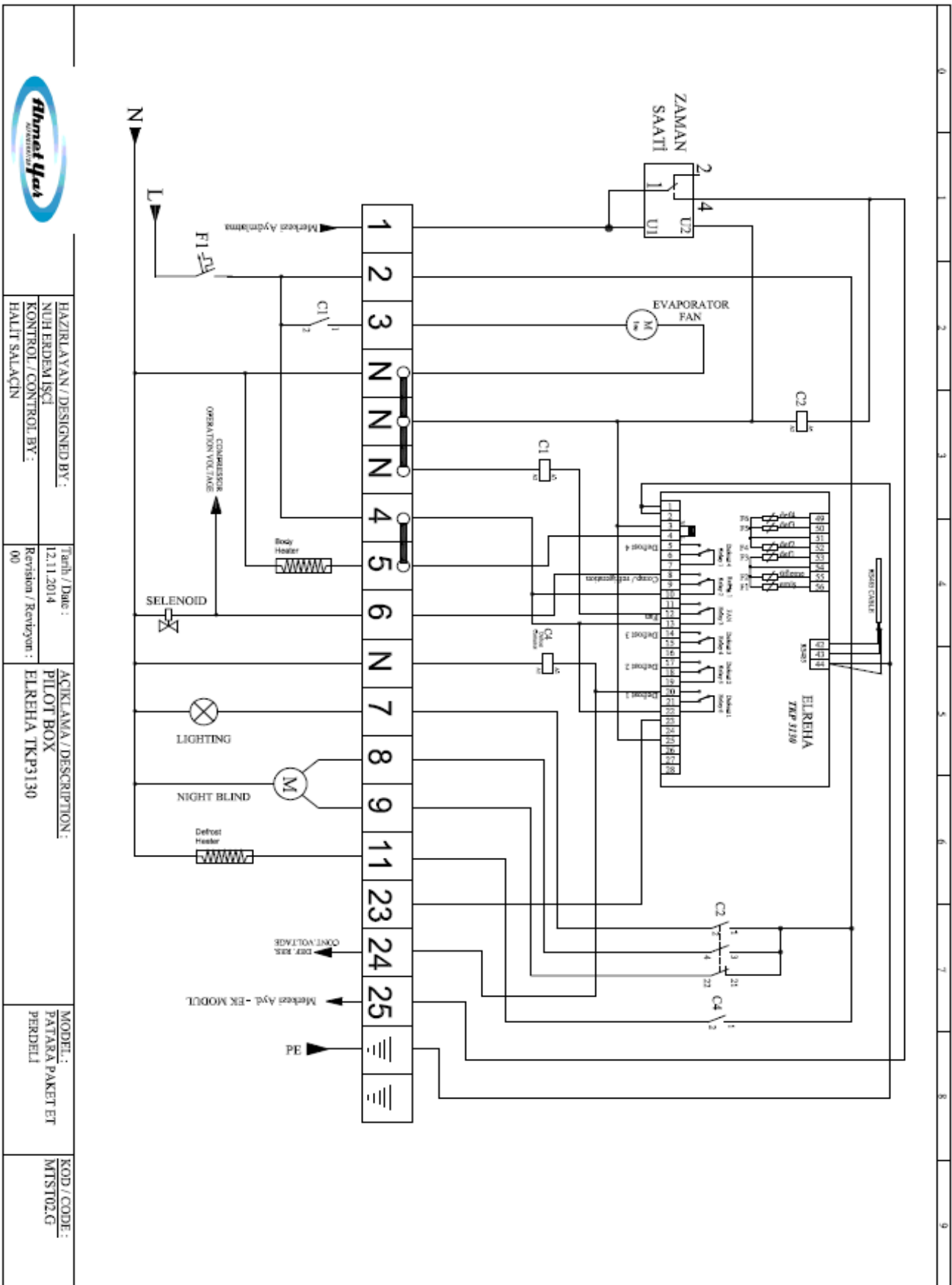
ACIKLAMA / DESCRIPTION:  
 PILOT BOX  
 ELREHA TKP3130

MODEL :  
 PATARA  
 PERDELI

KOD / CODE :  
 MTS102.E







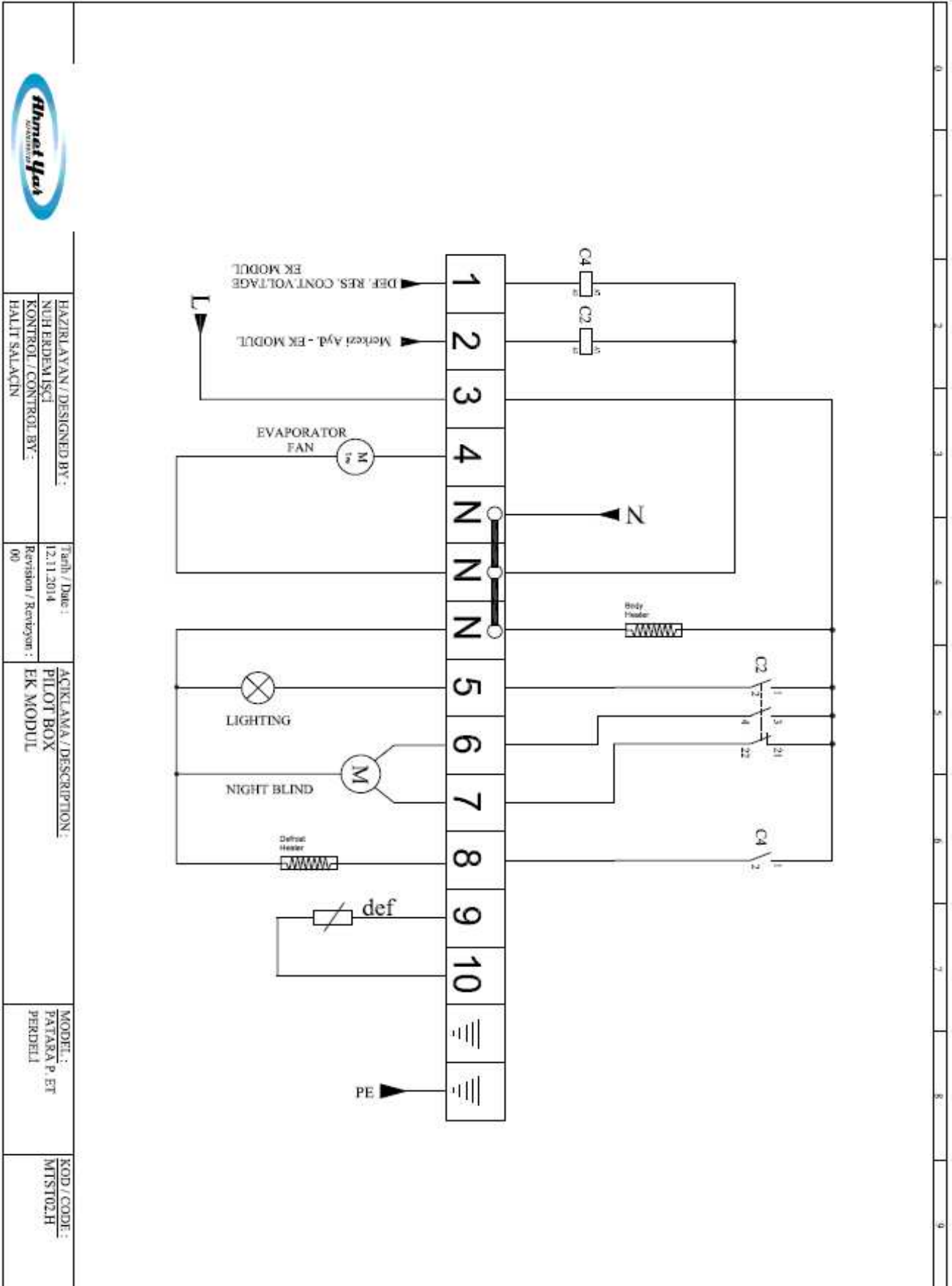
HAZIRLAYAN / DESIGNED BY:  
NUR ERDEM İŞÇİ  
KONTROL / CONTROL BY:  
HALİT SALAÇIN

Tarih / Date :  
12.11.2014  
Revision / Revizyon :  
00

ACIKLAMA / DESCRIPTION:  
PILOT BOX  
ELREHA TKP3130

MODEL :  
PATARA PAKET ET  
PERDELI

KOD / CODE :  
MTS102.G



HAZIRLAYAN / DESIGNED BY :  
 NUH ERDEMİŞÇİ  
 KONTROL / CONTROL BY :  
 HALİT SALAÇIN

Tarih / Date :  
 12.11.2014  
 Revision / Revizyon :  
 00

AÇIKLAMA / DESCRIPTION:  
 PILOT BOX  
 EK MODUL

MODEL :  
 PATARA P. ET  
 PERDELİ

KOD / CODE :  
 MTST02.H



## 12. Installation and Assembly

This section includes the installation and assembly operations of the product. Before starting the installation and assembly, the user manual of the product should be read thoroughly and the safety-related items specified in the manual should be followed.

### Joining Two Refrigerators

Follow the sequence below to combine two or more refrigerators:

- Remove sidewalls (if any)
- Bring the refrigerators side by side and remove the pallets.
- Adjust the height of the legs of the refrigerators and bring their aisles on the same level. Check the accuracy using a water gauge. (Figure 1-2)

### Front body and upper panel installation:

There is a cabinet puller sheet (two in some models) in refrigerator ceilings (Figure 5) and fixed to the decor aluminum (Figure 4) in the front lower part of the body. Attach 1 pc  $\text{Ø}6 \times 100$  mm joining pin to the lower decor aluminum (Figure 3). Attach anchor bolts to the connection bolts in cabinet puller sheets and tighten (Figure 4). Connection members and places are shown in Figure 6 and Table 1.



Figure.1



Figure.2



Figure.3



Figure.4

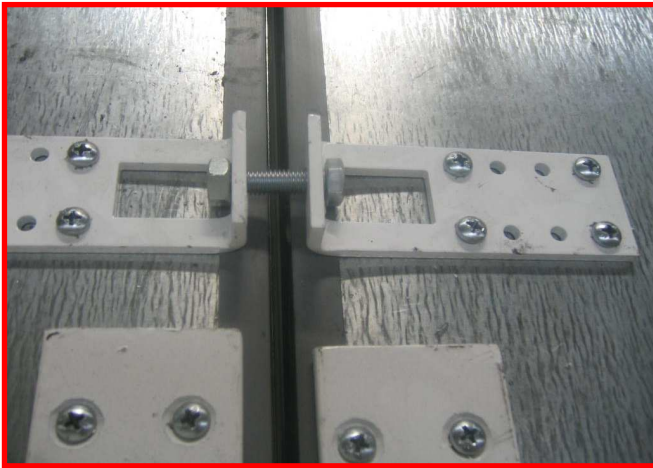
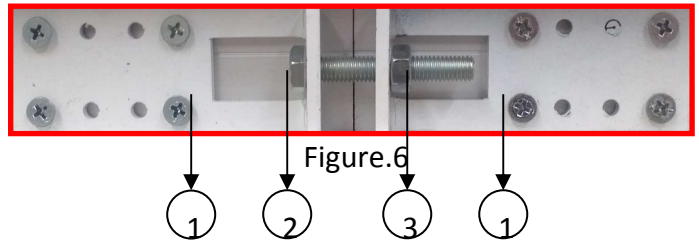


Figure.5



POS NO	PART NAME	PIECES
1	Cabinet puller sheet	5
2	M8x40 6K coated bolt	5
3	M8 nut	5

Table.1

### Side Strut Connections:

There are two screw holes in side struts to fix two refrigerators to each other. Two refrigerators shall be attached to each other by use of materials stated in Table 2 and in points shown in Figure.7-8.



Figure.7

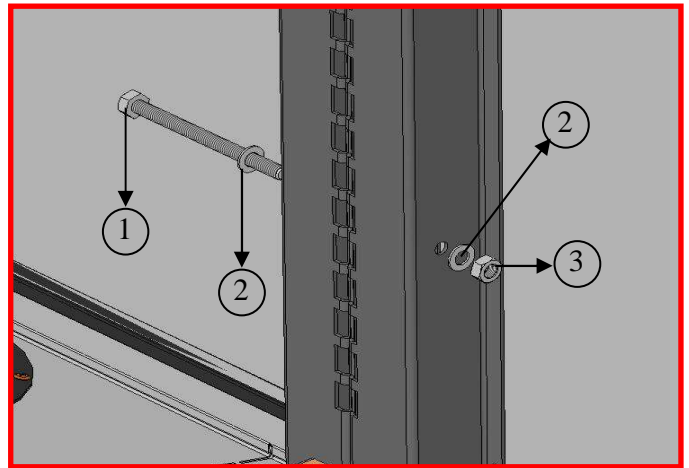


Figure.8

POS NO	PART NAME	PIECES
1	M8x90 6K coated bolt	2
2	Washer	4
3	M8 nut	2

Table.2

### Plastic bumper profile and Base connection:

Attach plastic bumper profiles to bumper aluminum via the nails on it. The base is called as the part covering the foot of the cabinet and located under the lower decor. Base is attached to the foot via base knob. Place the base plastic into base sheet (Figure.11) Fix the base sheet to the holes under the cabinet (Figure.12) via base knob. (Figure.13)



Figure.9



Figure.10



Figure.11



Figure.12



Figure.13

### Upper Decor connection:

Attach upper decor aluminum to the channel fixed on side struts and tighten with a screw. (Figure.14-15)  
 Attach 3 pieces  $\varnothing 3,80 \times 70$  mm joining pin to upper decor aluminum pin conduits. (Figure.16-17)



Figure.14



Figure.15

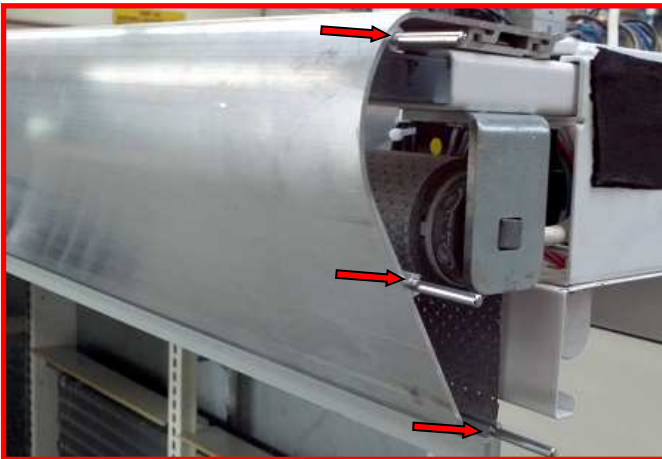


Figure.16

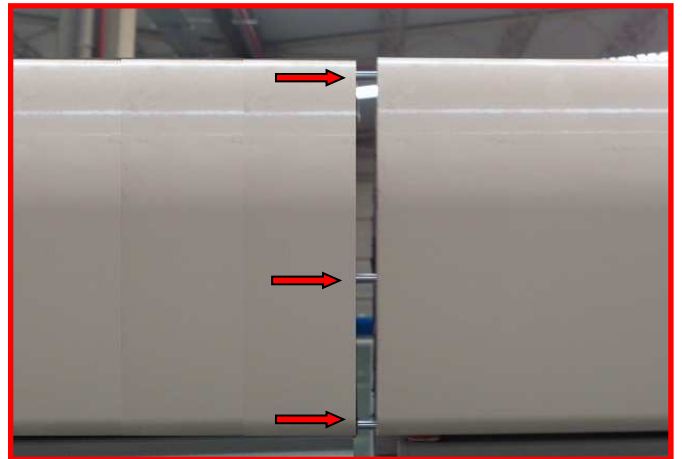


Figure.17

NO	PART NAME	Pieces
1	$\varnothing 3,80 \times 70$ mm. Joining pin	3
2	M4,2x15 self tapping screw	2

### Installation of refrigerator side to the refrigerator:

Side panels are combined by screwing in points shown in Figure.19 via 7 screw holes shown in Figure.18. Two screws are fixed to the side strut sheet and other 5 screws are fixed to the profiles in the upper panel and lower panel. Front side of side panel should be aligned with the front part of lower decor during the installation.

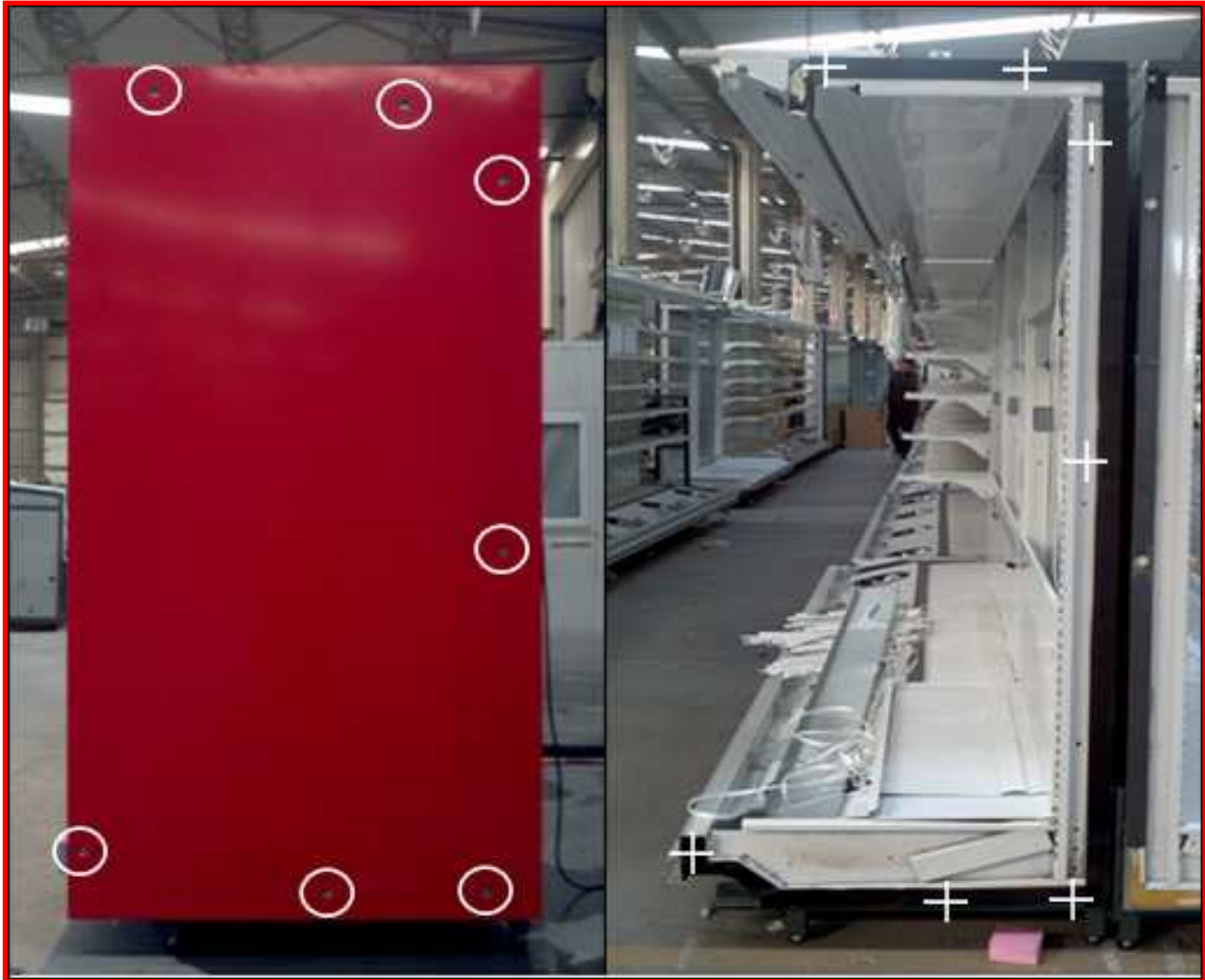


Figure.18

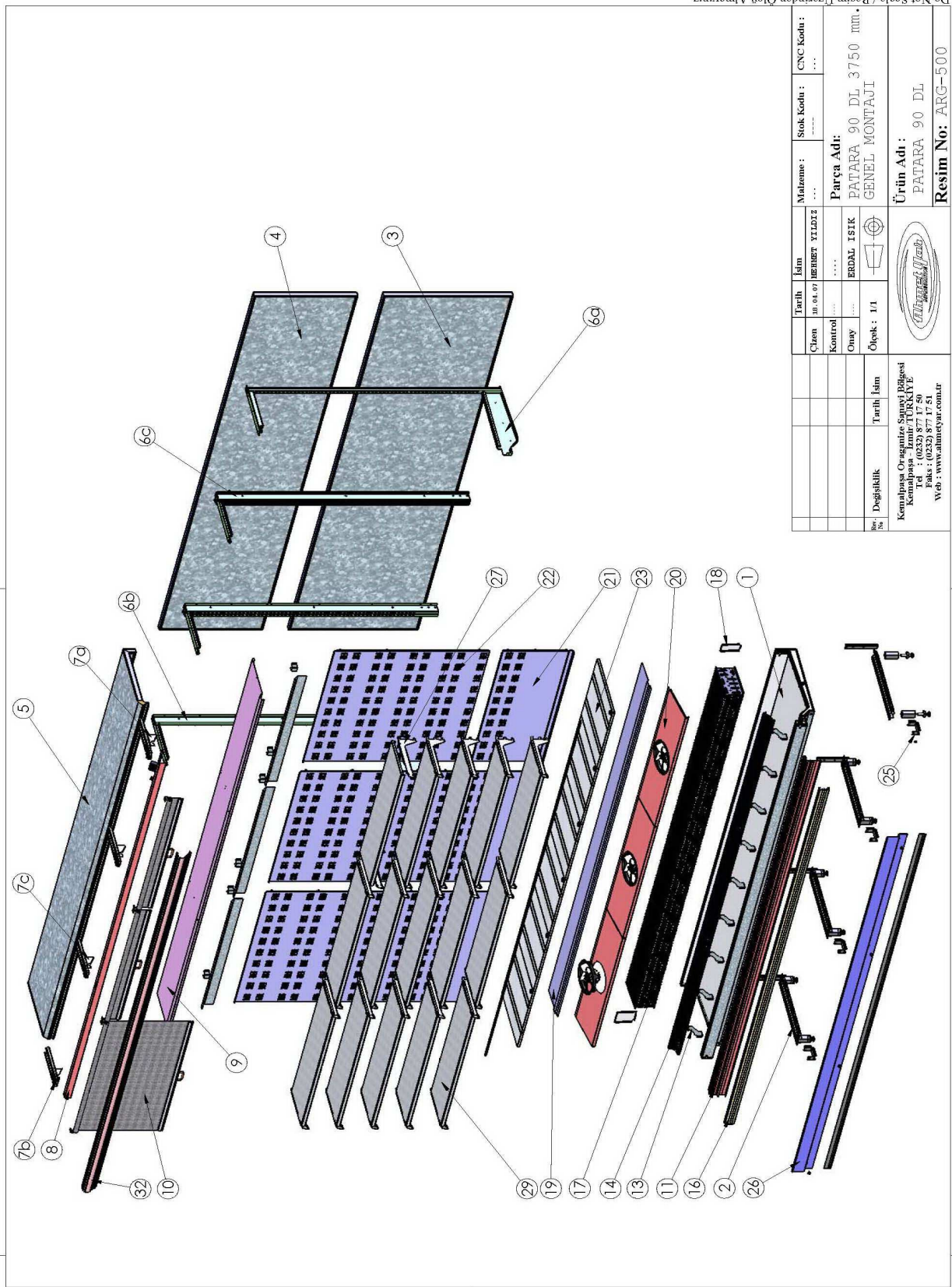
Figure.19

NO	Part name	Pieces
1	6,3x80 6K drill tip screw	7
2	6,3mm epidyen gasket	7

Figure.9-10

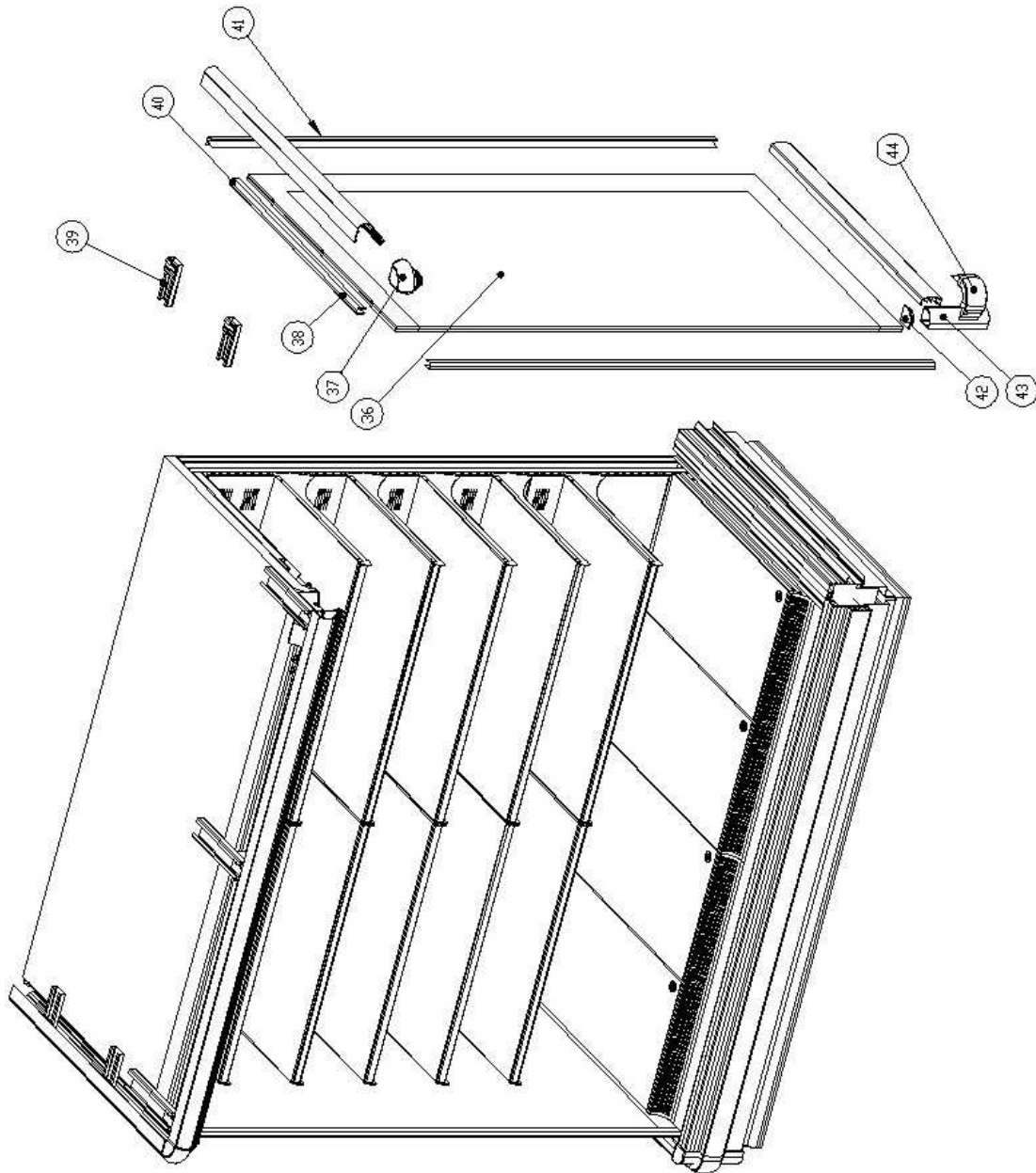


13. Exploded picture and spare part list



Çizim	Tarih	İsim	Malzeme	Stok Kodu	CNC Kodu
Kontrol	30.04.07	BERBERET YILDIZ	...	...	...
Onay	...	ERDAL İSİK	Parça Adı: PATARA 90 DL 3750 mm. GENEL MONTAJI		
Değişiklik	Tarih	İsim	Ürün Adı: PATARA 90 DL		
Kemalpaşa Organize Sanayi Bölgesi Kemalpaşa - İzmir-TÜRKİYE Tel. : (0332) 877 17 80 Fax : (0332) 877 17 81 Web : www.ahmetyar.com.tr			Resim No: ARG-500		

Do Not Scale / Resim Üzerinden Ölçül Almayınız



Item no	2500	3750	1875 CE	2244 CE	Description
---------	------	------	---------	---------	-------------

1	42400286	-	-	REFRIGERATOR RIGHT SIDE	
2	42400287	-	-	REFRIGERATOR LEFT SIDE	
3	24029902	-	-	WHITE PLASTIC PLUG TAPA	
4	24040541	-	-	SCREW M6.3x45	
5	24029915	-	-	REFRIGERATOR LINKAGE NUT Ø6.3	
6	40007053	40007055	40007057	40007056	FRONT ALUMINUM COVER
7	40007124	40007126	40007129	40007127	FRONT BUMPER ALUMINUM
8	10411010	-	-	-	BUMPER PLASTIC PROFILE L= 2500 mm
	-	10411010	-	-	BUMPER PLASTIC PROFILE L= 3750 mm
	-	-	10411010	-	BUMPER PLASTIC PROFILE L= 1875 mm
	-	-	-	10411010	BUMPER PLASTIC PROFILE L= 2244 mm
-	-	10411010	-	-	BUMPER PLASTIC PROFILE HEAD SIDE L=1060 mm
9	10410327	-	-	-	BUMPER END
10	23700206				TRAY PLASTIC
11	42402055	42416055	42415055	-	TRAY
12	49704014	49704016	49704018	49704017	EVAPORATOR
13	40006104	40006106	40006113	40006111	UPPER DECOR ALUMINUM
14	10419959	-	-	-	UPPER DECOR COVER RIGHT
15	10419958	-	-	-	UPPER DECOR COVER LEFT
16	32200251				ELECTRICITY BOX COVER
17	32200250				ELECTRICITY BOX
18	42404084	42406084	42416085	42415084	CROWN SHEET
19	42400060	-	-	-	CROWN SHEET SIDE
20	-	-	42400067	-	CROWN SHEET SIDE HEAD MODULE RIGHT
21	-	-	42400066	-	CROWN SHEET SIDE HEAD MODULE LEFT
22	24209912				SHEET NUT 3.9 WURTH
23	24040606				SCREW YSB 3.9 x16
24	42200062	-	-	-	CROWN SHEET SIDE SUPPORT RIGHT
25	42200063	-	-	-	CROWN SHEET SIDE SUPPORT LEFT
26	-	-	23700405	-	FLUORESCENT PROTECTION TUBE for 21 watt fluorescent
27	23700404	-	-	23700404	FLUORESCENT PROTECTION TUBE for 54 watt fluorescent
28	-	-	22320117	-	FLUORESCENT T5 21 watt
29	22320116	-	-	22320116	FLUORESCENT T5 54 watt
30	40001120	40001124	40001122	-	SHELF
31	40002102				SHELF ARM
32	42402080	42416080	42415080	-	LABEL HOLDER SHEET
33	10410120	-	-	-	LABEL HOLDER L=1244 mm
	-	10410120	-	-	LABEL HOLDER L= 931,5 mm
	-	-	-	10410120	LABEL HOLDER L= 1116 mm
34	32402078	32402078	32416078	32415078	FRONT SUCTION SHEET
35	20830005				FAN
36	20860012				FAN PROTECTION CAGE
37	24010604				SCREW FOOT
38	24029902				BASE KNOB SCREW
39	24029911				M6 SPECIAL NUT
40	42404053	42406053	42416053	42415053	FRONT BASE SHEET
41	42404036	42406036	42403036	42405036	LOWER DECOR SHEET
42	10410202	-	-	-	BASEBOARD PLASTIC FRONT L= 2500 mm
	-	10410202	-	-	BASEBOARD PLASTIC FRONT L= 3750 mm
	-	-	10410202	-	BASEBOARD PLASTIC HEAD FRONT L= 1824 mm
	-	-	-	10410202	BASEBOARD PLASTIC HEAD FRONT L= 2193 mm
	10410202	-	-	-	BASEBOARD PLASTIC HEAD SIDE L= 1050 mm
-	-	10410202	-	-	BASEBOARD PLASTIC HEAD SIDE L= 1034 mm
43	42400012	-	-	-	BASEBOARD SHEET
44	23701004				WATER DISCHARGE PIPE
45	23200121				WATER DISCHARGE GASKET
46	23701018				ELBOW 90°
47	23701017				ELBOW 45°
48	23701013				DISCHARGE SIPHON
49	-	-	10419963	-	THERMOPANE PROFILE WINDOW FRONT L= 1727 mm
	-	-	-	-	THERMOPANE PROFILE OVER THE WINDOW L= 995 mm
50	-	-	10419962	-	THERMOPANE PROFILE WINDOW BACK L=1727 mm
51	-	-	2360225	-	SIDE WINDOW HEAD PROFILE
52	-	-	42400037	-	SIDE UPPER DECOR FOOT
-	-	-	23709964	-	UPPER DECOR CORNER PLASTIC
54	-	-	23709963	-	LOWER DECOR CORNER PLASTIC

CAREL PARAMETERS		ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET
<b>/Pro ( Prob parameters)</b>							
<b>/2</b>	Measurement stability		4	4	4	4	4
<b>/4</b>	Virtual Prob: Blowing and suction probes rates for regulation		100	100	100	50	50
	0= Blow probe						
	100= Suction probe						
<b>/5</b>	°C or °F selection		0	0	0	0	0
	0=°C, 1=°F						
<b>/6</b>	Decimal		1	1	1	1	1
	0=active,						
	1= inactive						
<b>rHS</b>	Virtual probe regulation rate to calculate glass temperature		20	20	20	20	20
	0= Blow probe						
	100= Suction probe						
<b>/t</b>	Are signals and alarms viewed in non-button terminal?		0	0	0	0	0
	0= inactive						
	1= active						
<b>/t1</b>	probe to be viewed in button terminal		12	12	12	12	12
	0 = Terminal inactive	8 =Serial probe 8					
	1 = Probe 1	9 =Serial probe 9					
	2 = Probe 2	10 =Serial probe 10					
	3 = Probe 3	11 =Serial probe 11					
	4 = Probe 4	12 = Control probe					
	5 = Probe 5	13 = Virtual probe					
	6 = Probe 6	14 = Set point					
	7 = Probe 7						
<b>/t2</b>	probe to be viewed in non-button terminal		12	12	12	12	12
	0 = Terminal inactive	8 =Serial probe 8					
	1 = Probe 1	9 =Serial probe 9					
	2 = Probe 2	10 =Serial probe 10					
	3 = Probe 3	11 =Serial probe 11					
	4 = Probe 4	12 = Control probe					
	5 = Probe 5	13 = Virtual probe					
	6 = Probe 6	14 = Set point					
	7 = Probe 7						

CAREL PARAMETERS			ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET
/to	button/non-button terminal configuration		3	3	3	3	3	3
	<b>Button terminal</b>	<b>Non-button terminal</b>						
	0 Yes	yes						
	1 optional	yes						
	2 Yes	optional						
3 optional	optional							
/P1	S1 ,S2 , S3 (Group 1) probe type		0	0	0	0	0	0
	0 = NTC Standard Range -50T90°C							
	1 = PTC Standard Range -50T150°C							
	2 = PT1000 Standard Range -50T150°C							
	3 = NTCL243 Standard Range -50T90°C							
/P2	S4 ,S5 (Group2) probe type		0	0	0	0	0	0
	0 = NTC Standard Range -50T90°C							
	1 = PTC Standard Range -50T150°C							
	2 = PT1000 Standard Range -50T150°C							
	3 = NTCL243 Standard Range -50T90°C							
/P3	S6 (Group3) probe type		4	4	4	4	4	4
	0 = NTC Standard Range -50T90°C							
	1 = PTC Standard Range -50T150°C							
	2 = PT1000 Standard Range -50T150°C							
	3 = NTCL243 Standard Range -50T90°C							
4 = 0 to 5V ratiometric pressure transmitter								
/P4	S7, (Group4) probe type		0	0	0	0	0	0
	0 = NTC Standard Range -50T90°C							
	1 = PTC Standard Range -50T150°C							
	2 = PT1000 Standard Range -50T150°C							
	3 = NTCL243 Standard Range -50T90°C							
	4 = 0 to 5V ratiometric pressure transmitter							
	5 = 0 to 10 V input							
6 = 4 to 20 mA input								
/P5	S8 den S11 e (Group5) serial problar probe type		0	0	0	0	0	0



CAREL PARAMETERS		ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET
<b>CtL ( Control)</b>							
<b>OFF</b>	ON/OFF control unit on-off		0	0	0	0	0
	0 = ON; 1 = OFF;						
<b>St</b>	Set point		-20	-20	-20	0	2
<b>St2</b>	Double thermostate control suction set value		50	50	50	50	50
<b>rd</b>	St set value difference		2	2	2	2	2
<b>rd2</b>	Double thermostate control suction set value difference		0	0	0	0	0
	0.0 = Function inactive						
<b>r1</b>	Allowed minimum set value		-24	-24	-24	-4	-4
<b>r2</b>	Allowed maximum set value		-18	-18	-18	4	4
<b>r3</b>	Defrost warning activation ending in time		0	0	0	0	0
	0 = inactive, 1 = active						
<b>r4</b>	Automatic night set point		0	0	0	0	0
<b>r5</b>	Will minimum and maximum temperatures be kept to which probe in the memory?		1	1	1	1	1
	0 = Monitoring inactive						
	1 = Control probe (Sreg)						
	2 = virtual probe (Sv)						
	3 = Blow probe (Sm)						
	4 = defrost probe (Sd)						
5 = Suction probe (Sr)							
6 = superheat temperature probe (tGS)							
7 = saturated evaporation temperature probe (tEu)							
8 = auxiliary defrost probe (Sd2)							
9 = auxiliary probe (Saux)							
10 = auxiliary probe 2 (Saux2)							
<b>rt</b>	Recorded min and max temperature monitoring time range		-	-	-	-	-
<b>rH</b>	Recorded max temperature		-	-	-	-	-
<b>rL</b>	Recorded min temperature		-	-	-	-	-
<b>r6</b>	Night Control probe		0	0	0	0	0
	0 = virtual probe Sv; 1 = Suction probe Sr						
<b>ro</b>	For Virtual Probe, probe error offset		0.0	0.0	0.0	0.0	0.0
<b>r7</b>	Master solenoid valve configuration		0	0	0	0	0
	0 = local valve ;1 = network valve (connected to the Master)						
<b>rSu</b>			0	0	0	0	0

CAREL PARAMETERS			ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET
<b>CMP (compressor)</b>								
<b>c0</b>	Compressor and fan starting time delay		0	0	0	0	0	0
<b>c1</b>	Minimum time between successive start		0	0	0	0	0	0
<b>c2</b>	Compressor minimum OFF Time		0	0	0	0	0	0
<b>c3</b>	Compressor minimum ON Time		0	0	0	0	0	0
<b>c4</b>	Control probe error duty time. Compressor and solenoid outlet works for the time stated there		0	0	0	0	0	0
	holds for 15 minutes and works again.							
	0 = Compressor/valve always OFF; 100 = compressor/valve always ON							
<b>cc</b>	Continuous cycle time		1	1	1	1	1	1
<b>c6</b>	Post-continuous cycle alarm by-pass		60	60	60	60	60	60
<b>c7</b>	Maximum pump down time		0	0	0	0	0	0
<b>Def (defrost)</b>								
<b>d0</b>	Defrost type		4	0	0	0	0	0
	0 = temperature-based heater	4 = time and temperature-based heater defrost						
	1 = temperature-based hot gas	5 = temperature-based heater multiplied hotgas bypass						
	2 = temperature-based heater	6 = time-based heater multiplied hotgas bypass						
	3 = time-based hot gas							
<b>d2</b>	Defrost-end synchronization by Master		1	1	1	1	1	1
	0 = unsynchronous; 1 = synchronous							
<b>d1</b>	Time between defrosts		8	8	6	6	6	6
<b>dt1</b>	Defrost-end temperature, Evaporator Sd1		10	10	12	12	10	10
<b>dt2</b>	Defrost-end temperature,AUX Evaporator Sd2		10	10	12	12	10	10
<b>dP1</b>	Maximum Defrost time		35	35	40	45	45	45
<b>dP2</b>	Maximum Defrost time, AUX 2. Evaporator		35	35	40	45	45	45
<b>d4</b>	Initially defrost		0	0	0	0	0	0
	0 = No initial defrost ; 1 = inital defrost							
	(Master = network defrost; Slave = local defrost)							
<b>d5</b>	Defrost time delay at the beginning if d4=1		0	0	0	0	0	0
	0 = delay inactive							
<b>d6</b>	Terminal indicator status during defrost		2	2	2	2	2	2
	0 = Real temperature value and "dEF" flashes							
	1 = pre-defrost last temperature remains on the screen							
	2 = 'dEF' is viewed							
<b>dd</b>	Post-Defrost drip time		2	2	2	2	2	2
	0= No drip							



CAREL PARAMETERS		ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET	
d7	defrost by-pass	0	0	0	0	0	0	
	0 = inactive ; 1 = active;							
d8	Alarm delay following defrost and door opening	30	30	30	30	30	30	
d9	Status of compressor protection times in hotgas bypass	1	1	1	1	1	1	
	0 = protection times are followed ; 1 = protection times are ignored							
Sd1	Defrost Probe value	-	-	-	-	-	-	
Sd2	Second Evaporator defrost probe value	-	-	-	-	-	-	
dC	Defrost time basis	0	0	0	0	0	0	
	0 = dl hour,dP1,dP2 and ddP minute; 1 = dl minute,Dp2 and ddP second							
d10	Time for defrost based on lamel temperature	0	0	0	0	0	0	
	0 = Function inactive							
d11	Temperature-based defrost activation temperature threshold	-30	-30	-30	-30	-30	-30	
d12	During Defrost, pressure transmitter alarm status	0	0	0	0	0	0	
	<b>probe failure</b>							<b>failure in supervisor</b>
	0 inactive							active
	1 active							active
	2 inactive							inactive
3 active	inactive							
dS1	Compressor stop time for successive defrost ( when stops for this time, defrost ends,	0	0	0	0	0	0	
	0 = Function inactive							
dS2	Compressor operation time for successive defrost (defrost starts when the	120	120	120	120	120	120	
ddt	Defrost end temperature offset for Power defrost	0.0	0.0	0.0	0.0	0.0	0.0	
ddp	Defrost time offset for Power defrost	0	0	0	0	0	0	
dn	Nominal Defrost bypass time rate	75	75	75	75	75	75	
d1S	daily defrost based on td1 time zone	0	0	0	0	0	0	
	0 = inactive							8 = 3 hours 0 minute
	1 = 24 hours 0 minute							9 = 2 hours 40 minutes
	2 = 12 hours 0 minute							10 = 2 hours 24 minutes
	3 = 8 hours 0 minute							11 = 2 hours 11 minutes
	4 = 6 hours 0 minute							12 = 2 hours 0 minute
	5 = 4 hours 48 minutes							13 = 1 hour 0 minute
	6 = 4 hours 0 minute							14 = 30 minutes
7 = 3 hours 26 minutes								

CAREL PARAMETERS		ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET
<b>d2S</b>	see d1S parameter for td1 time zone daily defrosts	0	0	0	0	0	0
<b>dH1</b>	Pumpdown time	0	0	0	0	0	0
	0= pump down inactive						
<b>dHG</b>	Multiplied hot gas bypass type	0	0	0	0	0	0
	0 = Compensator valve is OFF usually						
	1 = Compensator valve is ON usually						
<b>ALM (Alarm)</b>							
<b>AA</b>	Determination of temperature probe for AH and AL alarms		1	1	1	1	1
	1 = control (sreg)	8 = auxiliary defrost probe (Sd2)					
	2 = virtual (Sv)	9 = auxiliary probe (Saux)					
	3 = blow (Sm)	10 = auxiliary probe 2 (Saux2)					
	4 = defrost (Sd)	11 = ortam sıcaklığı (SA)					
	5 = suction (Sr)	12 = ortam nemi (SU)					
	6 = superheat temperature probe(tGS)	13 = cam sıcaklığı (Syt)					
	7 =SH pressure transmitter temperature equivalence (tEu)	14 = çığırma noktası (SdP)					
<b>AA2</b>	Determination of temperature probe for AH2 and AL2 alarms control AA parameter		5	5	5	5	5
<b>A0</b>	Low and high temperature alarm difference		2.0	2.0	2.0	2.0	2.0
<b>A1</b>	Threshold type for AL and AH 1. Alarm delays		0	0	0	0	0
	0 = relative AL and AH set value	1 = absolute AL and AH absolute values					
<b>A2</b>	Threshold type for AL2 and AH2 2. Alarm delays		0	0	0	0	0
	0 = relative AL and AH set value	1 = absolute AL and AH finite values					
<b>AL</b>	Low temperature 1. alarm threshold		4	4	4	4	4
<b>AH</b>	High temperature 1. alarm threshold		5	5	5	5	5
<b>AL2</b>	Low temperature 2. alarm threshold		0	0	0	0	0
<b>AH2</b>	High Temperature 2. alarm threshold		0	0	0	0	0
<b>Ad</b>	Low and high temperature alarm alarm delay		15	15	15	15	15
<b>A4</b>	ID1 digital input configuration in S4 input		0	0	0	0	0
	0 = input is not active	5 = kapı switchi konfigürasyonu kompresör ve fanlar OFF					
	1 = momentary external alarm	6 = uzaktan ON/OFF					
	2 = delayed external alarm	7 = perde switchi					
	3 = defrost activation	8 = sürekli çevrim başlama / durma					
	4 = defrost starting	9 = ışık sensörü					

CAREL PARAMETERS		ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET
A5	ID2 digital input configuration in S5 input, see the list in A4 parameter	0	0	0	0	0	0
A6	In the event of external alarm, solenoid/compressor working times. Compressor and solenoid work for this time, stop for 15 minutes and work againn.	0	0	0	0	0	0
	0 = Compressor/valve always OFF; 100 = compressor/valve always ON						
A7	Time delay for delayed external alarm	0	0	0	0	0	0
A8	Virtual digital input configuration see the list in A4 parameter	0	0	0	0	0	0
A09	Digital input selection transferred from master to slave		0	0	0	0	0
	0 = supervisor	3 = D13					
	1 = D11	4 = D14					
	2 = D12	5 = D15					
A10	ID3 digital input configuration in S6 input see the list in A4 parameter	0	0	0	0	0	0
A11	Id4 digital input configuration in S7 input, see the list in A4 parameter	0	0	0	0	0	0
A12	Digital input configuration in D15 input, see the list in A4 parameter	0	0	0	0	0	0
Ar	Is alarm signal in slaves shown in master?	1	1	1	1	1	1
	0 = no ; 1 = yes						
A13	When slaves are offline, hotgas bypass procedure	0	0	0	0	0	0
	0 = inactive 1 = active						
<b>Fan (Evaporator fans)</b>							
F0	Evaporator fan management	0	0	0	0	0	0
	0 = always ON						
	1 = Fan activation Sd defrost - Sv virtual (or Sd defrost - Sm blow double thermostat control) 2 =Activation Sd defrost probe						
F1	Fan activation threshold (only F0=1 and 2)	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
F2	Will fans stop when the compressor stops?	0	0	0	0	0	0
	0 =Fans work 1 = Fans stop						
F3	Status of fans during defrost	0	0	1	1	0	0
	0 = Fans work in Defrost 1 = fans stop						
Fd	Post-defrost drip fan waiting time	2	2	2	2	2	2
Frd	Fan activation difference ( including variable speed fans)	2.0	2.0	2.0	2.0	2.0	2.0
F5	Evaporator fan stop threshold (difference 1C)	50.0	50.0	50.0	50.0	50.0	50.0
F6	Maximum Evaporator fan speed	100	100	100	100	100	100

CAREL PARAMETERS		ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET
F7	Minimum Evaporator fan speed	0	0	0	0	0	0
F8	Evaporator fan peak time	0	0	0	0	0	0
	0 = Function inactive						
F9	PWM1/' fan control output selection (by phase-break)	1	1	1	1	1	1
	0 = pulse 1 = time-dependant						
F10	Time of working of evaporator fans at maximum speed	0	0	0	0	0	0
	0 = Function inactive						
<b>Eud (Electronic valve)</b>							
P1	Electronic valve	2	2	2	2	2	2
	0 = not used 1 = PWM valve 2 = CAREL E2V valve						
P3	Superheat Set point	10.0	10.0	10.0	10.0	10.0	10.0
P4	Proportional rate	15.0	15.0	15.0	15.0	15.0	15.0
P5	Integration rate ( Integral factor)	150	150	150	150	150	150
	0 = Function inactive						
P6	Derivative rate	5.0	5.0	5.0	5.0	5.0	5.0
	0 = Function inactive						
P7	LowSH: low superheat threshold	7.0	7.0	7.0	7.0	7.0	7.0
P8	LowSH: low superheat integral time	15.0	15.0	15.0	15.0	15.0	15.0
	0 = Function inactive						
P9	LowSH: düşük superheat alarm gecikmesi	600	600	600	600	600	600
	0 = alarm inactive						
P10	Will solenoid valve be OFF in the event of low superheat or low suction temperature?	0	0	0	0	0	0
	1 = OFF is active						
P11	LSA: low evaporation temperature alarm	-45.0	-45.0	-45.0	-45.0	-45.0	-45.0
P12	LSA: alarm delay	600	600	600	600	600	600
	0 = alarm inactive						
P13	LSA: alarm difference (C)	10.0	10.0	10.0	10.0	10.0	10.0
	0 = reset the alarm all the time automatically						
P14	('blo') alarm signal activation	1	1	1	1	1	1
	1= blo alarm is active						
P15	Complementary temperature acceptance value in the event of Superheat pressure	-30	-30	-30	-12	-12	-12

CAREL PARAMETERS			ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET
PH	Gas type		3	3	3	3	3	3
	1 = R22	8 = R600						
	2 = R134a	9 = R600a						
	3 = R404A	10 = R717						
	4 = R407C	11 = R744						
	5 = R410A	12 = R728						
	6 = R507A	13 = R1270						
	7 = R290	14 = R417A						
OSH	Superheat offset for modulation thermostate		0.0	0.0	0.0	0.0	0.0	0.0
	0 = Function inactive							
Phr	Fast updating of valve parameters by the supervisor		0	0	0	0	0	0
	0 = fast update is inactive							
PM1	MOP: Maximum evaporation pressure temperature value		50.0	50.0	50.0	50.0	50.0	50.0
PM2	MOP: Integral time		10.0	10.0	10.0	10.0	10.0	10.0
PM3	MOP: alarm delay		0	0	0	0	0	0
	0 = Function is inactive							
PM4	MOP: MOP function delay at the beginning		2	2	2	2	2	2
PM5	MOP: activating solenoid valve shutting		0	0	0	0	0	0
	0 = OFF is inactive							
	1 = OFF is active							
PL1	LOP: Minimum evaporation pressure temperature value		-50.0	-50.0	-50.0	-50.0	-50.0	-50.0
PL2	LOP: Integral time		0.0	0.0	0.0	0.0	0.0	0.0
PL3	LOP: alarm delay		0	0	0	0	0	0
	0 = Function is inactive							
SH	Superheat value		-	-	-	-	-	-
PPU	valve ON rate		-	-	-	-	-	-
tGS	Superheat temperature sensor reading value		-	-	-	-	-	-
tEu	Superheat pressure sensor temperature value (value of the pressure equivalent to the temperature)		-	-	-	-	-	-
/cE	Saturated evaporation temperature calibration		0.0	0.0	0.0	0.0	0.0	0.0
Po6	PWM expansion valve T on/OFF period		6	6	6	6	6	6
cP1	Valve position when the control is ON		30	30	30	30	30	30
Pdd	Post-Defrost valve position		10	10	10	10	10	10
PSb	valve standby position		0	0	0	0	0	0
PF	valve opening stages		-	-	-	-	-	-

CAREL PARAMETERS		ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET	
PMP	Electronic expansion valve manual operation activation	0	0	0	0	0	0	
	0 = inactive 1 = active							
PMu	Manual valve position	-	-	-	-	-	-	
Phc	Large capacity valve activation	0	0	0	0	0	0	
<b>Cnf ( Configuration)</b>								
In	MPXPRO Unit type	1	1	1	1	1	1	
	0 = Slave 1 = Master							
Sn	Number of slave in local network	0	0	0	0	0	0	
	0 = No Slave							
H0	Supervisor and Master-Slave network address	199	199	199	199	199	199	
H1	AUX1 output configuration	8	8	8	8	8	8	
	0 = no function							7 = second Evaporator defrost output
	1 = alarm without energy normally							8 = Evaporator Fan output
	2 = energy alarm normally							9 = Glass heater output
	3 = auxiliary output							10 = Suction valve
	4 = auxiliary output shared by Master with slaves							11 = Compensation valve
	5 = Light output							12 = Solenoid valve
6 = auxiliary output shared by Master with slaves								
H2	Button set and remote control deactivation	1	1	1	1	1	1	
	1 = Button set and remote control is active							
H3	Remote control activation code	0	0	0	0	0	0	
	0 =no remote control activation code							
H4	Buzzer activation	0	0	0	0	0	0	
	0 = active; 1 = inactive							
H5	Please see AUX2 output configuration H1 parameter	7	2	2	2	2	2	
H6	Terminal button set locking configuration	0	0	0	0	0	0	
H7	Please see AUX3 output configuration H1 parameter	5	5	5	5	5	5	
H8	Output association with time bands	0	0	0	0	0	0	
	0 = Light 1 = AUX							

CAREL PARAMETERS		ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET
H9	Output association with AUX button	0	0	0	0	0	0
	0 = Light 1 = AUX						
H10	Compressor output configuration	0	0	0	0	0	0
	0 = Cooling 1 = heating						
H11	Fan output configuration	0	0	0	0	0	0
	0 = Cooling 1 = Heating						
H12	Light sensor threshold	25	25	25	25	25	25
H13	Please see AUX4 output configuration H1 parameter	12	12	12	12	12	12
Hdn	default set parameters number	0	0	0	0	0	0
Htc	External time card insertion	0	0	0	0	0	0
	0 = not inserted						
rHu	Manual glass heater activation rate (rHt period)	70	70	70	70	70	70
	0 = Function is inactive						
rHt	Manual glass heater activation period	5	5	5	5	5	5
	0 = Function is inactive						
rHo	Glass heater modulation offset	2.0	2.0	2.0	2.0	2.0	2.0
rHd	Glass heater modulation difference	0.0	0.0	0.0	0.0	0.0	0.0
rHL	PWM output load type for glass heater modulation	0	0	0	0	0	0
	0 = resistant 1 = inductive						
rHA	Factor A for calculated glass temperature	2	2	2	2	2	2
rHb	Factor B for calculated glass temperature	22	22	22	22	22	22
<b>HSt (Alarm log)</b>							
HSo to 9	0 dan 9'a alarmlar (sete basın)	-	-	-	-	-	-
---	0 dan 9'a alarm kodu	-	-	-	-	-	-
h_	0 dan 9'a alarm houri	0	0	0	0	0	0
n_	0 dan 9'a alarm minutesi	0	0	0	0	0	0
---	0 dan 9'a alarm süresi	0	0	0	0	0	0
<b>HcP (HACCP alarms)</b>							
Ht0	HACCP alarm	0	0	0	0	0	0
HAn	HA alarm type number	0	0	0	0	0	0

CAREL PARAMETERS		ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET
<b>HA to HA2</b>	HA type active HACCP alarm number	-	-	-	-	-	-
<b>y_</b>	From 1 to 3 alarm-Year	0	0	0	0	0	0
<b>M_</b>	From 1 to 3 alarm - month	0	0	0	0	0	0
<b>d_</b>	From 1 to 3 alarm - which day of the month	0	0	0	0	0	0
<b>h_</b>	From 1 to 3 alarm - hour	0	0	0	0	0	0
<b>n_</b>	From 1 to 3 alarm - minute	0	0	0	0	0	0
<b>...</b>	From 1 to 3 alarm - Alarm time	0	0	0	0	0	0
<b>HFn</b>	HF alarm type number	0	0	0	0	0	0
<b>HF to HF2</b>	HF type active HACCP alarm number	-	-	-	-	-	-
<b>y_</b>	From 1 to 3 alarm - Year	0	0	0	0	0	0
<b>M_</b>	From 1 to 3 alarm -month	0	0	0	0	0	0
<b>d_</b>	From 1 to 3 alarm - which day of the month	0	0	0	0	0	0
<b>h_</b>	From 1 to 3 alarm - hour	0	0	0	0	0	0
<b>n_</b>	From 1 to 3 alarm - minute	0	0	0	0	0	0
<b>_</b>	From 1 to 3 alarm - Alarm time	0	0	0	0	0	0
<b>Htd</b>	HACCP alarm delay	0	0	0	0	0	0
	0 = alarm viewing deactivated						
<b>rtc (Real Time Clock)</b>							
<b>td1 to 8</b>	Defrost time from 1 to 8 (press Set)	-	-	-	-	-	-
<b>d_</b>	From 1 to 8 defrost day selection	0	0	0	0	0	0
	0 = no defrost						
	1 to 7 = days one by one from Monday to Sunday						
	8 = every day from Monday to Friday						
	9 = everyday from Monday to Saturday						
	10 = only Saturday Sunday						
11 = everyday							
<b>h_</b>	Defrost hour	0	0	0	0	0	0
<b>n_</b>	Defrost minute	0	0	0	0	0	0
<b>P_</b>	Power defrost selection	0	0	0	0	0	0
	0 = Normal defrost; 1 =Power defrost						
<b>tS1 to 8</b>	Time band starting from 1 to 8 (press Set)	-	-	-	-	-	-
<b>d</b>	Time band starting: day	0	0	0	0	0	0
<b>h</b>	Time band starting: hour	0	0	0	0	0	0
<b>n</b>	Time band starting: minute	0	0	0	0	0	0
<b>tE1 to 8</b>	Time band end from 1 to 8 (press Set)	-	-	-	-	-	-





DANFOSS PARAMETERS		ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET
<b>Normal operation</b>							
---	Temperature (setpoint)	-26	-20	-20	-20	0	2
<b>Thermostat</b>							
r01	Differential	2	2	2	2	2	2
r02	Max. limitation of setpoint setting	-22	-18	-18	-18	-4	-4
r03	Min. limitation of setpoint setting	-29	-23	-23	-23	4	4
r04	Adjustment of temperature indication	0	0	0	0	0	0
r05	Temperature unit (°C/°F)	0	0	0	0	0	0
r09	Correction of the signal from S4	0	0	0	0	0	0
r10	Correction of the signal from S3	0	0	0	0	0	0
r12	Manual service, stop regulation, start regulation (-1, 0, 1)	1	1	1	1	1	1
r13	Displacement of reference during night operation	0	0	0	0	0	0
r14	Define thermostat function	1	1	1	1	1	1
	1=ON/OFF						
	2=Modulating						
r15	Definition and weighting, if applicable, of thermostat sensors - S4% (100%=S4, 0%=S3)	100	0	0	0	50	50
r16	Time between melt periods	0	0	0	0	0	0
r17	Duration of melt periods	0	0	0	0	0	0
r21	Temperature setting for thermostat band 2 . As differential use r01	-26	-20	-20	-22	0	0
r59	Correction of the signal from S6	0	0	0	0	0	0
r61	Definition and weighting, if applicable, of thermostat sensors when night cover is on. (100%=S4, 0%=S3)	100	0	0	0	50	50
r62	Heat function	2	2	2	2	2	2
	Neutral zone between refrigeration and heat function						
r63	Time delay at switch between refrigeration and heat function	0	0	0	0	0	0
<b>Alarms</b>							
A03	Delay for temperature alarm	15	15	15	15	20	20
A04	Delay for door alarm	0	0	0	0	0	0
A12	Delay for temperature alarm after defrost	60	60	60	60	60	60
A13	High alarm limit for thermostat 1	-18	-15	-15	-15	4	6
A14	Low alarm limit for thermostat 1	-30	-26	-26	-26	-6	-6
A20	High alarm limit for thermostat 2	-18	-15	-15	-15	4	6
A21	Low alarm limit for thermostat 2	-30	-26	-26	-26	-6	-6
A22	High alarm limit for sensor S6 at thermostat 1	8	8	8	8	8	8
A23	Low alarm limit for sensor S6 at thermostat 1	-30	-30	-30	-30	-30	-30
A24	High alarm limit for sensor S6 at thermostat 2	8	8	8	8	8	8
A25	Low alarm limit for sensor S6 at thermostat 2	-30	-30	-30	-30	-30	-30

DANFOSS PARAMETERS		ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET
A26	S6 alarm time delay	240	240	240	240	240	240
	With setting = 240 the S6 alarm will be omitted						
A27	Alarm time delay or signal on the DI1 input	30	30	30	30	30	30
A28	Alarm time delay or signal on the DI2 input	30	30	30	30	30	30
A36	Signal for alarm thermostat. S4% (100%=S4, 0%=S3)	100	0	0	0	50	50
A52	Delay for S6 (product sensor alarm) after defrost	90	90	90	90	90	90
<b>Compressor</b>							
c01	Min. ON-time	0	0	0	0	0	0
c02	Min. OFF-time	0	0	0	0	0	0
c05	Time delay for cutin of comp.2	5	5	5	5	5	5
<b>Defrost</b>							
d01	Defrost method	1	1	1	1	1	1
	0=off						
	1= EL						
	2= gAs						
d02	Defrost stop temperature	10	10	12	12	10	10
d03	Interval between defrost starts	8	8	6	6	6	6
d04	Max. defrost duration	35	35	35	35	45	45
d05	Displacement of time on cutin of defrost at start-up	0	0	0	0	0	0
d06	Drip off time	2	2	2	2	3	3
d07	Delay for fan start after defrost	2	2	2	2	0	0
d08	Fan start temperature	-5	-5	-5	-5	-5	-5
d09	Fan cutin during defrost	1	1	0	0	1	1
	0: Stopped						
	1: Running						
	2: Running during pump down and defrost						
d10	Defrost sensor	3	1	1	1	1	1
	0 =Stop on time						
	1=S5						
	2=S4						
	3=Sx						
(Application 1-8 and 10: both S5 and S6. Application 9: S5 and S5B)							
d16	Pump down delay	0	0	0	0	0	0
d17	Drain delay (used at hot gas defrost only)	0	0	0	0	0	0
d18	Max. aggregate refrigeration time between two defrosts	0	0	0	0	0	0
d20	Heat in drip tray. Time from defrosting stops to heating in the drip tray is switched off	30	30	30	30	30	30



DANFOSS PARAMETERS		ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET	
t45	Clock - Setting of date	REAL TIME	REAL TIME	REAL TIME	REAL TIME	REAL TIME	REAL TIME	
t46	Clock - Setting of month	REAL TIME	REAL TIME	REAL TIME	REAL TIME	REAL TIME	REAL TIME	
t47	Clock - Setting of year	REAL TIME	REAL TIME	REAL TIME	REAL TIME	REAL TIME	REAL TIME	
<b>Miscellaneous</b>								
o01	Delay of output signals after start-up	5	5	5	5	5	5	
o02	Input signal on DI1. Function:	0	0	0	0	0	0	
	0=not used							7=thermostat band changeover (activate r21)
	1=status on DI1							8=alarm function when closed
	2=door function with alarm when open							9=alarm function when open
	3=door alarm when open							10=Appliance cleaning (pulse signal)
	4=defrost start (pulse-signal)							11=forced cooling at hot gas defrost
	5=ext.main switch							12=night cover
6=night operation	15=case shut down							
o03	Network address	0	0	0	0	0	0	
o04	On/Off switch (Service Pin message) IMPORTANT! o61 <b>must</b> be set prior to o04 (used at LON 485 and DANBUSS only)	Off	Off	Off	Off	Off	Off	
o05	Access code 1 (all settings)	0	0	0	0	0	0	
o06	Used sensor type	0	0	0	0	0	0	
	0=Pt1000							
	1=Ptc1000,							
o08	Readout of software version	**	**	**	**	**	**	
o16	Max hold time after coordinated defrost	20	20	20	20	20	20	
o17	Select signal for display view. S4% (100%=S4, 0%=S3)	100	0	0	0	50	50	
o20	Pressure transmitter working range – min. value	-1	-1	-1	-1	-1	-1	
o21	Pressure transmitter working range – max. value	12	12	12	12	12	12	

DANFOSS PARAMETERS			ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET	
o30	Refrigerant setting:		19	19	19	19	19	19	
	1=R12	15=R227							29=R1270
	2=R22	16=R401A							30=R417A
	3=R134a	17=R507							31=R422A
	4=R502	18=R402A							32=R413A
	5=R717	19=R404A							33=R422D
	6=R13	20=R407C							34=R427A
	7=R13b1	21=R407A							35=R438A
	8=R23	22=R407							36=R513A
	9=R500	23=R410A							37=R407F
	10=R503	24=R170							38=R1234ze
	11=R11	25=R290							39=R1234yf
	12=R142b	26=R600							40=R448A
	13=User defined	27=R600a							41=R449A
14=R32	28=R744	42=R452A							
o30	Refrigerant setting:		19	19	19	19	19	19	
o37	Input signal on DI2. Function:		0	0	0	0	0	0	
	(0=not used.	5=ext. main switch							10=Appliance cleaning (pulse signal).
	1=status on DI2.	6=night operation							11=forced cooling at hot gas defrost.).
	2=door function with alarm when open.	7=thermostat band changeover (activate r21).							12=night cover,
	3=door alarm when open.	8=alarm function when closed.							13=coordinated defrost).
4=defrost start (pulse-signal).	9=alarm function when open.	15=case shut down							
o38	Configuration of light function:		1	1	1	1	1	1	
	1=Light follows day /night operation,								
	2=Light control via data communication via 'o39',								
	3=Light control with a DI-input,								
4=As "2", but light switch on and night cover will open if the network cut out for more than 15 minutes.									
o39	Activation of light relay (only if o38=2) On=light		Off	Off	Off	Off	Off	Off	
o41	Rail heat On time during day operations		100	100	100	100	100	100	
o42	Rail heat On time during night operations		100	100	100	100	100	100	
o43	Rail heat period time (On time + Off time)		10	10	10	10	10	10	
o46	Appliance cleaning.		0	0	0	0	0	0	
	0=no Appliance cleaning.								
	1=Fans only.								
	2=All output Off.								
o61	Selection of EL diagram. See overview page 12 and 13		9	1	4	4	1	1	
o62	Download a set of predetermined settings. See overview page 27.		0	0	0	0	0	0	

DANFOSS PARAMETERS			ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET	
o64	Access code 2 (partial access)		0	0	0	0	0	0	
o67	Replace the controllers factory settings with the present settings		Off	Off	Off	Off	Off	Off	
o84	Input signal on DI3. Function: (high voltage input)		0	0	0	0	0	0	
	(0=not used.	6=night operation,							12=night cover.
	1=status on DI2.	7=thermostat band changeover (activate r21)							13=Not used.
	2=door function with alarm when open.	8=Not used.							14=Refrigeration stopped (forced closing)).
	3=door alarm when open	9=Not used.							15=case shut down
	4=defrost start (pulse-signal).	10=Appliance cleaning (pulse signal).							
	5=ext. main switch	11=forced cooling at hot gas defrost,							
o85	Rail heat control		0	0	0	0	0	0	
	0=not used,								
	1=pulse control with timer function (o41 and o42),								
	2=pulse control with dew point function								
o86	Dew point value where the rail heat is minimum		8	8	8	8	8	8	
o87	Dew point value where the rail heat is 100% on		17	17	17	17	17	17	
o88	Lowest permitted rail heat effect in %		30	30	30	30	30	30	
o89	Time delay from "open door" refrigeration is started		30	30	30	30	30	30	
o90	Fan operation at stopped cooling (forced closing): 0= Stopped (defrost allowed)		1	1	1	1	1	1	
	1= Running (defrost allowed)								
	2= Stopped (defrost not allowed)								
	3= Running (defrost not allowed)								
o92	1=defrost stop temperature,		1	1	1	1	1	1	
	2=S6 temperature,								
	3=S5_B temperature (application 9), 4=S3B (application 10)								
o97	Display of temperature		1	1	1	1	1	1	
	1= u56 Air temperature								
	2= u36 product temperature								
o98	Light and night blinds defined		0	0	0	0	0	0	
	0: Light is switch off and night blind is open when the main switch is off								
	1: Light and night blind is independent of main switch								

DANFOSS PARAMETERS		ISLAND FREEZER	WALL FREEZER	COMBI FREEZER	UPRIGHT FREEZER	COUNTER	MULTIDECK CABINET
P41	Configuration of alarm relay	1	1	1	1	1	1
	The alarm relay will be activated upon an alarm signal from the following groups:						
	1 - High temperature alarms						
	2 - Low temperature alarms						
	4 - Sensor error						
	8 - Digital input enabled for alarm 16 - Defrosting alarms						
	32 - Miscellaneous 64 - Injection alarms						
The groups that are to activate the alarm relay must be set by using a numerical value which is the sum of the groups that must be activated. (E.g.: a value of 5 will activate all high temperature alarms and all sensor error and 0 will cancel the relay function).							