BOSS Painting Line Description

In July 2024, our company Prototypes & Special Machines, based in Bulgaria, Ruse Region, bought this painting line for our production, in front of production increase. Unfortunately, we didn't install this cabin, due to the current economic slowdown.

This painting was functional when we dismounted it, in August 2024, in Varallo City, Italy (VIM company). The company VIM ceased operations permanently at the end of 2024, due to the owner's retirement.
Installation was used with powder paint. (painting of safety valve, fire connections for Fight fire equipment)

Although this installation dates back to 1984, it has always been very well maintained—which is, in fact, the reason we purchased it. The installation has been dismantled in August 2024 and packed : she is ready to be transported at any time. The packaged installation is stored in Ruse Region, in Bulgaria. Approximately three semi-trailer trucks (TIR) will be required to transport the entire shipment. Transport from our storage to your facility is excluded from our proposal. However, our company will assist you with the loading of the trucks, here in Bulgaria.
Technical assistance during the reassembly of the installation at your plant is not included in our offer. We can provide technical support during reassembly at your plant, but this would be subject to a separate additional proposal.

Painting cabin line installation includes:
- Semi opened painting cabin (x 2)
- Conveyor system
- Furnace

Le complete installation require a minimum place of 14 m long x 9.5 m large x 4 m height. This installation doesn't require foundation. A flat concrete floor is enough.

Painting cabin :

Originally the painting line was with water fall into the first cabin, for liquid paint applied by Air pistol paint. (to see original documentation in Italian)
In 2010 years, water system was canceled, and the painting line was used only with Powder paint. The water system (pump, pipes, filter…) is removed from this offer. When we dismounted the painting installation, this part did not exist anymore.



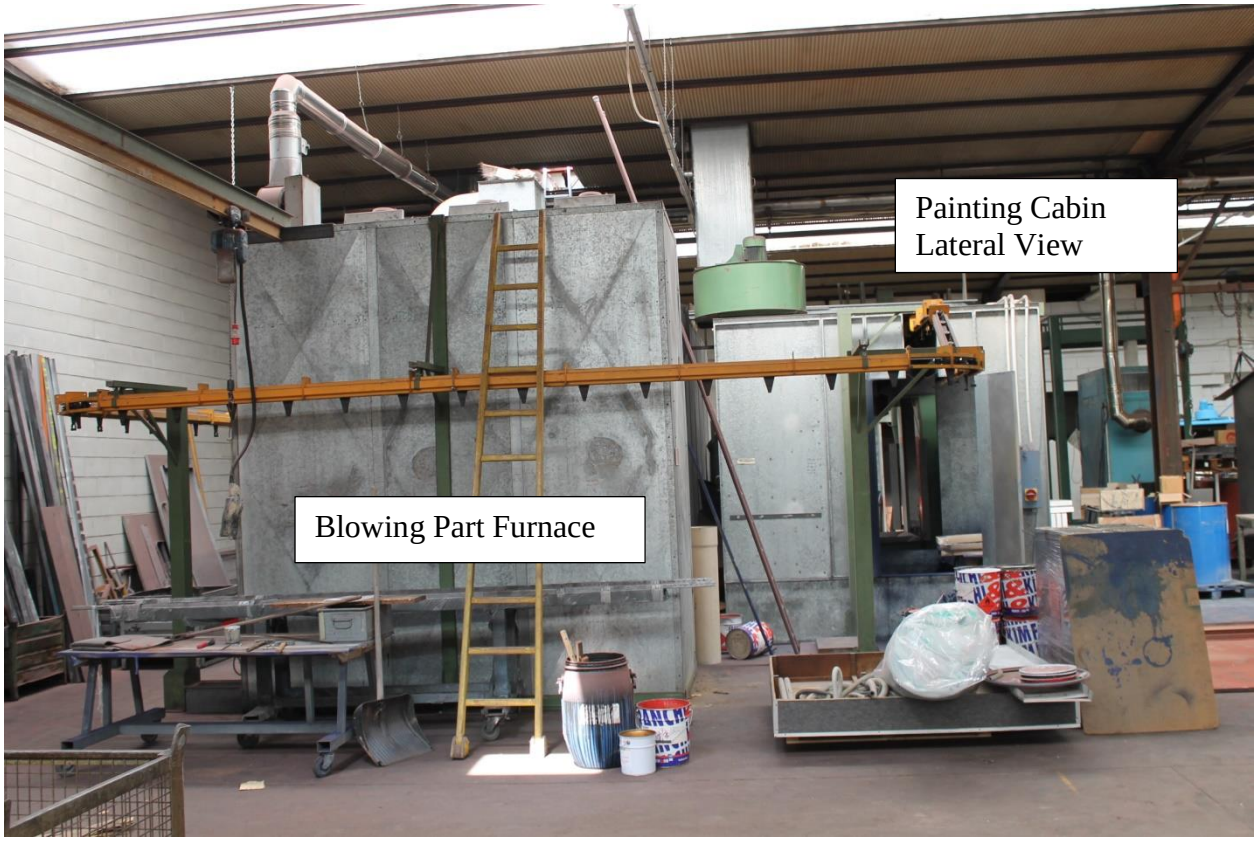
View of the semi opened painting cabin #1 (3 m large x 2 m depth x 3 m height)



View of the semi opened painting cabin #2 (3 m large x 2 m depth x 3 m height)

Conveyor System :

- Length : approxamtely : 60 m
- Maximum load by hook : 40 Kg
- Maximum load for the complete conveyor : 6500 Kg
- Nominal Speed of conveyor : 0.5 m/s (adjustable)



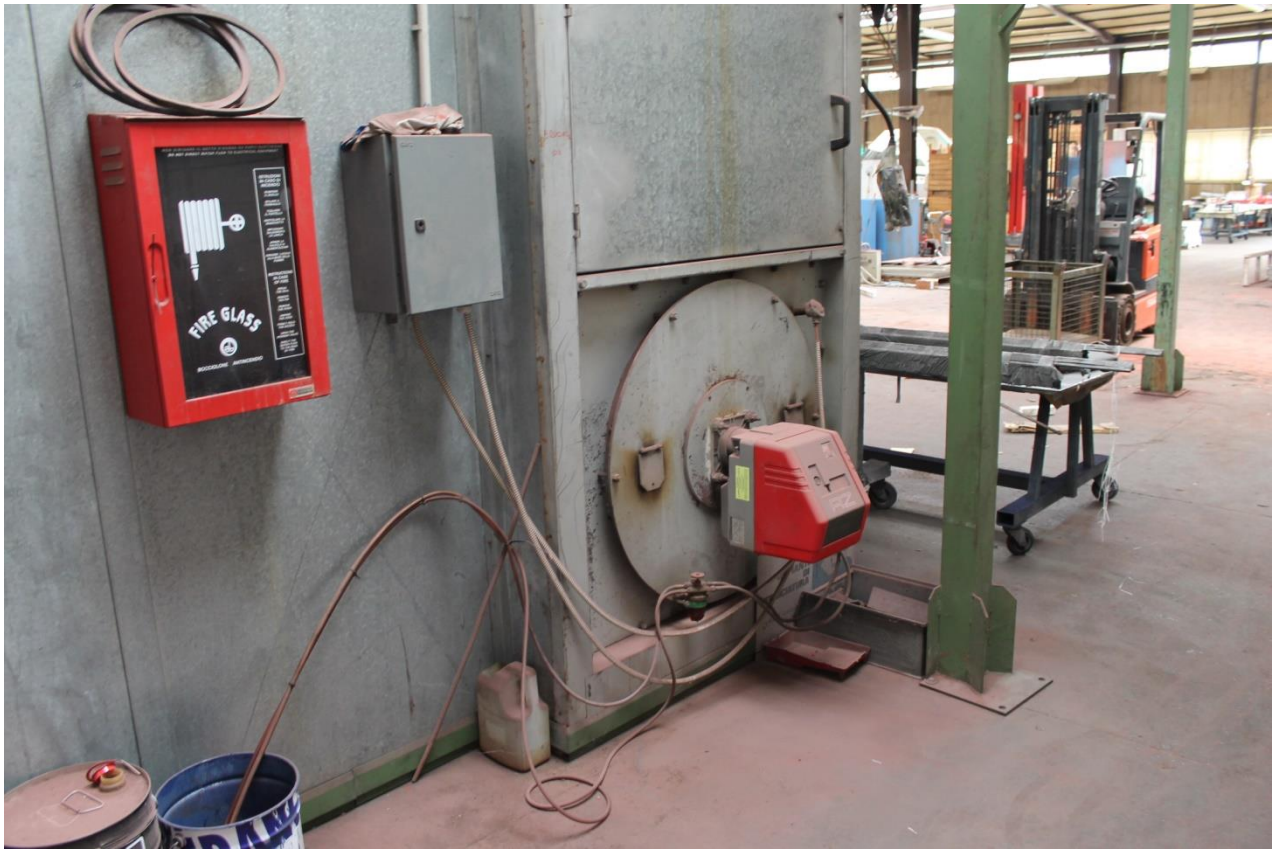


Furnace

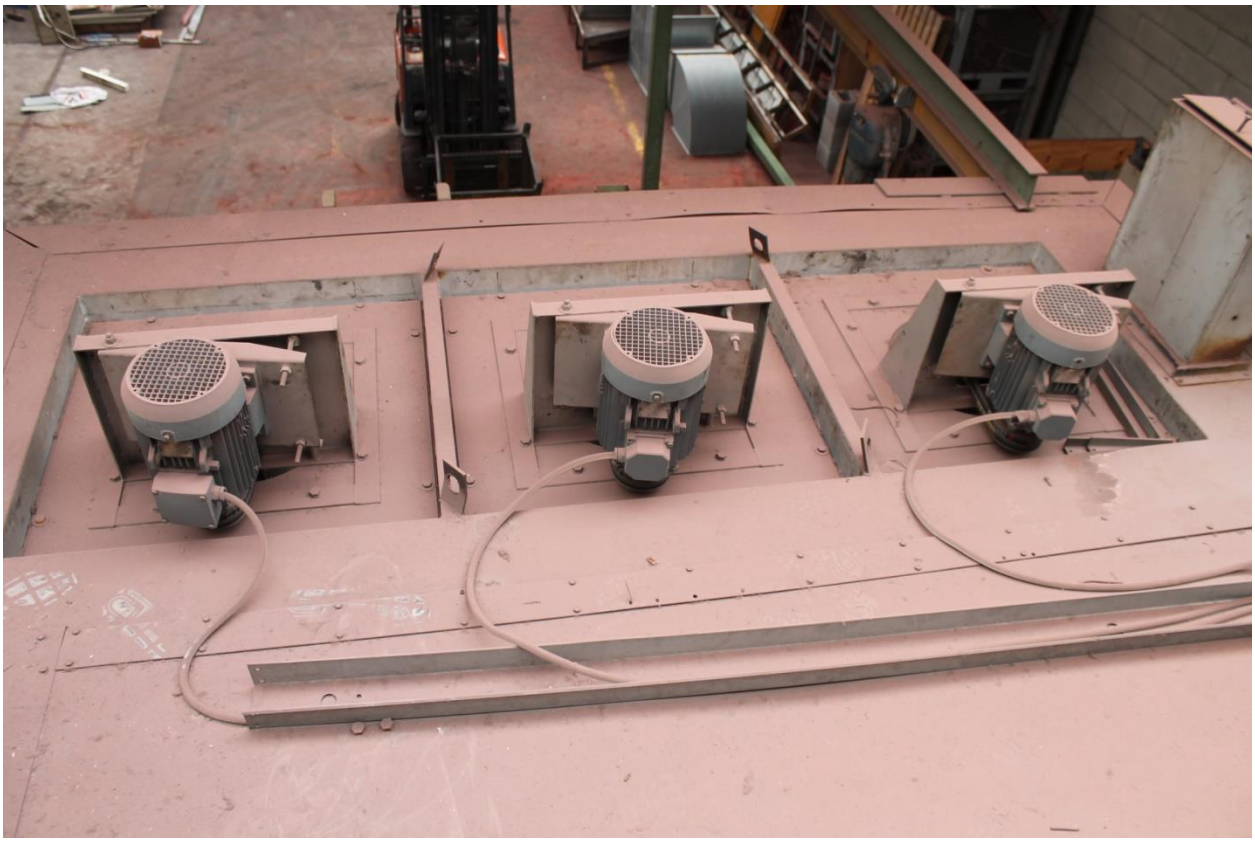
Furnace is semi opened model, where conveyor is an infeed/outfeed conveyor.
Maximum temperature: 180 ° Celsius (adjustable)
Methane Gas Burner consumption: 40 m3/hour
Active Drying section of the furnace: 8.37 m Long x 2.70 m Large
Total Furnace Size (including ventilation part and Burner) : 11.14 m Long x 3.2 m Large



Entrance / Exit conveyor of the furnace

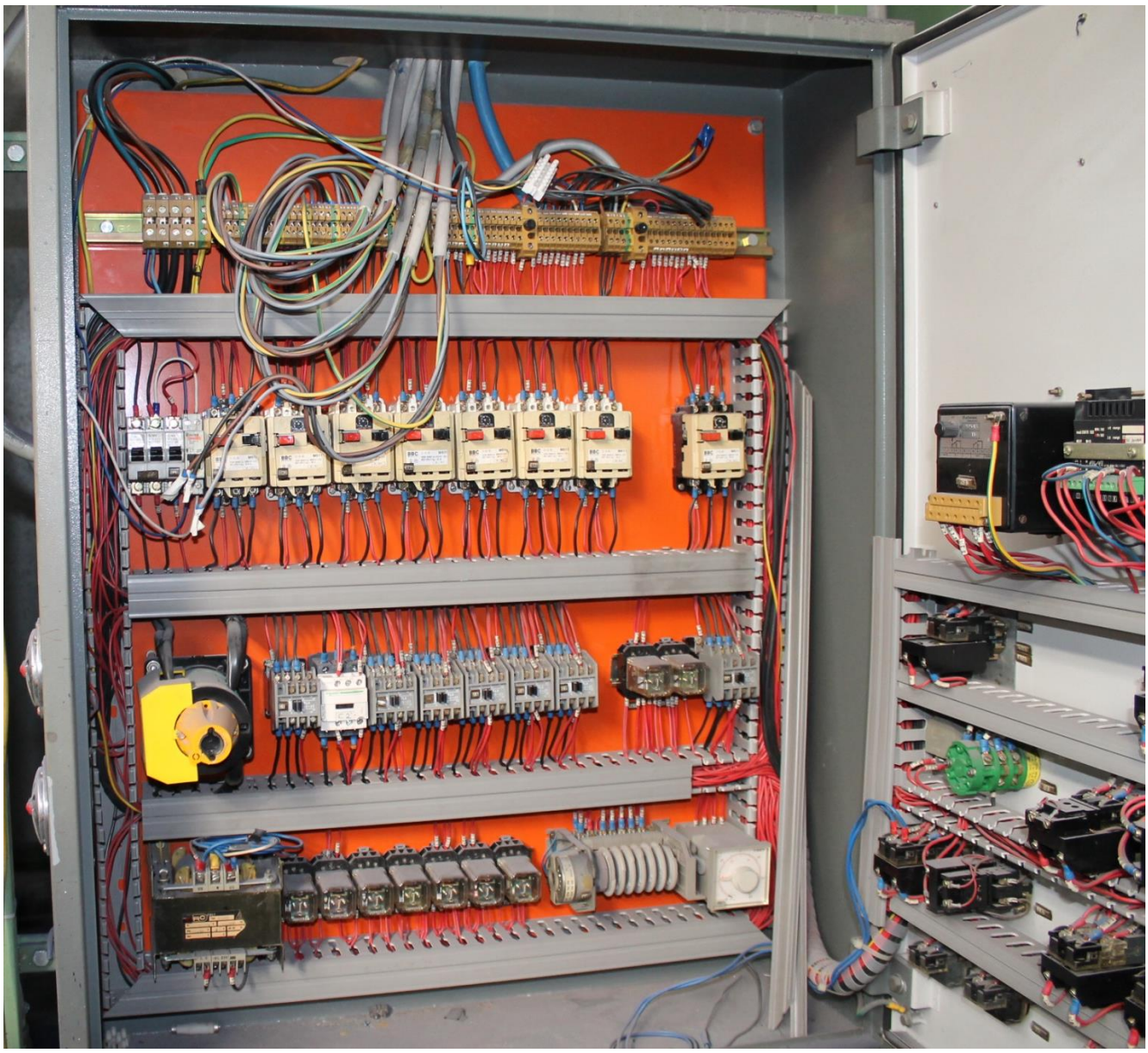


Methane Gas Burner for Furnace



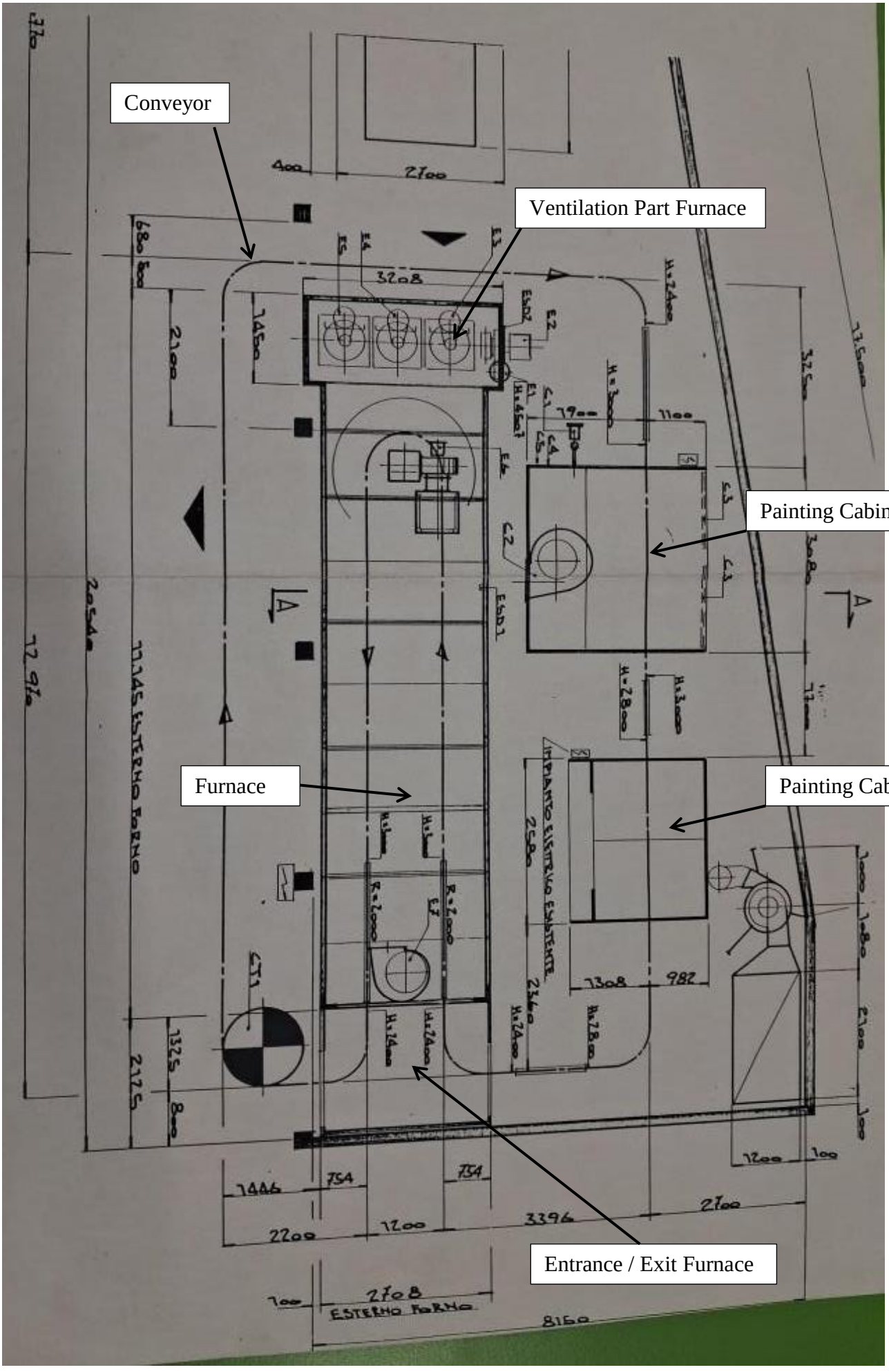
3 electrical fans for internal blowing air, inside the furnace

View of the main electrical panel

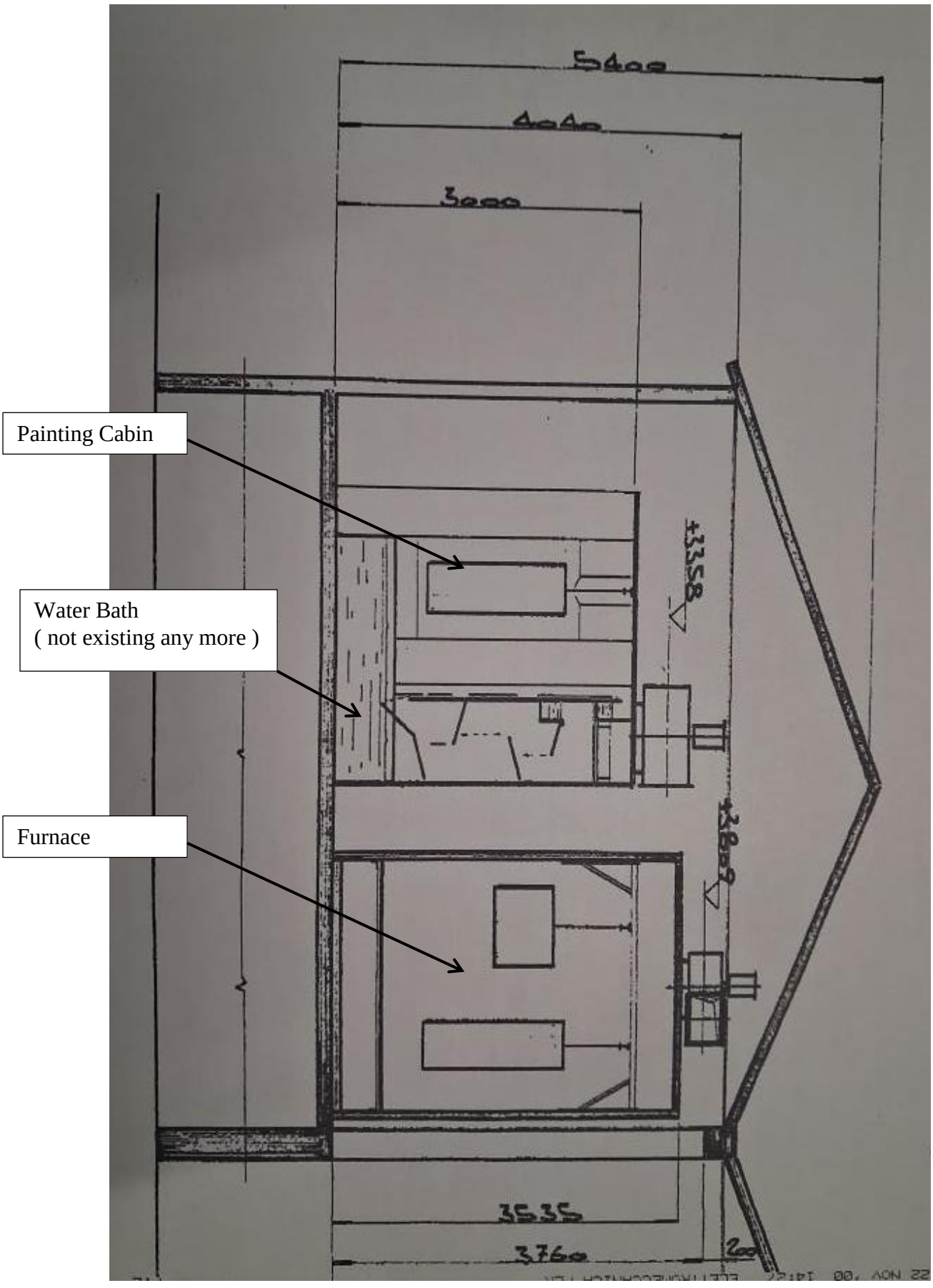


Maximun Electrical power : 25 kW (Tri phase 400 Volts + Neutral + Ground)

Top View Complete installation (Original Drawing)



Section View with Building (Original Drawing)



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