

## Summary

### Coursework

discipline "Heat and power system"

Student of group PS-31

Kolesnikov Andrey

On the topic: "the chamber electric resistance Furnace with bogie hearth"

In the course of this work we calculated the electric resistance furnace chamber with bogie. The course work contained 39 pages of text and one drawing of A1 format .

The explanatory note consists of an introduction, ten chapters, list of references and contains drawings. In the introduction disclosed the essence of resistance furnaces chamber with bogie.

In the first section of the explanatory notes is calculated the length of heating, amount of heat and combustion products.

In another section, we calculated the internal dimensions of the furnace.on

In the third section, was elected as the furnace lining.

The fourth section contains the calculation of the external dimensions of the furnace.

In the fifth section were calculated in the frame of the furnace.

The sixth section was calculated from the heat balance of the furnace the arrival of the heat and its flow.

The seventh section was designed capacity of the furnace.

In the eighth technical and economic performance.

In the ninth index of the furnace.

In the tenth section, the calculation of the heaters.

Key words: electric RESISTANCE FURNACE,CHAMBER,VIDIN UNDER.