

ZÁKAZNÍK / CUSTOMER

AIR LIQUIDE AGS GmbH

Stupeň / Level

Projekt pre realizáciu stavby
Construction Design

Dátum / Date

marec 2005

Kód / Code

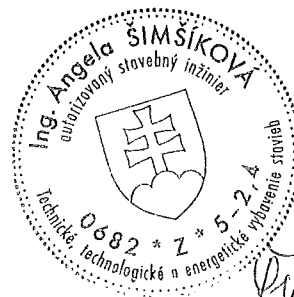
792.87705.A

2. Technická správa (anglicky)
Technical report (english)

HS HSV s.r.o. KOŠICE
Technický úsek

**FREIGABE
FOR CONSTRUCTION**

Ra 04.08.05



Projekt pre realizáciu stavby spracovaný pod z. č. 3821.2.002
Construction design prepared under No. 3821.2.002



AIR LIQUIDE™

PROJEKT SKUTOČNÉHO
VYHOTOVENIA

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A	29.04.2005	Ing. Šimšíková	<i>Šimšíková</i>	Ing. Šurc	<i>Šurc</i>	Ing. Pavlíčko		
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Rev./ Rev.	Dátum / Date	Vypracoval Originator	Sign.	Kontroloval Checked	Sign.	Schválil Approved	Sign.	Pozn. / Note

Názov zákazky / Job :

KYSLÍKOVÝ APARÁT č. 9
ASU No. 9



Němcovej 30
042 18 KOŠICE, SLOVAKIA

Objekt / Unit :

Prev. celok / Unit :

Prev. súbor / Unit :

UNIT 1 – COMPRESOR BUILDING
CONSTRUCTION DESIGN

SO 002 - KOMPRESOROVÁ STANICA
COMPRESSOR INSTALLATION

Profesia / Profession :
Prev. jednotka / P. Unit:

ÚSTREDNÉ VYKUROVANIE
CENTRAL HEATING



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STAVBA / JOB : KYSLÍKOVÝ APARÁT č. 9 ASU No. 9

OBJEKT / UNIT : SO 002 - KOMPRESOROVÁ STANICA COMPRESSOR INSTALLATION

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REVÍZIA DOKUMENTÁCIE
REVISION OF DOCUMENT

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HPK engineering a.s.
Němcovej 30
042 18 KOŠICE, SLOVAKIA

ZÁKAZKA / CODE :

ZÁKAZNÍK / CUSTOMER: AIR LIQUIDE AGS GmbH

STAVBA / JOB : KYSLÍKOVÝ APARÁT č. 9 ASU No. 9

OBJEKT / UNIT: SO 002 - KOMPRESOROVÁ STANICA COMPRESSOR INSTALLATION

BASIC DOCUMENTS, SCOPE OF PROJECT DOCUMENTATION

The project for obtaining the building permit was a basic document for preparation of this project. The project solves heating of the building. It will be heated electrically in accordance with the investor's requirement.

The unit 002 is located in the area with the following climatic indicators according to STN 36 3350:

- the lowest outer temperature for calculation of heat losses in the building is: -13°C , i.e. the area with intensive winds
- average daily temperature in the coolest month: -3.4°C
- average outer temperature during the heating period: $t_{es} = 3.0^{\circ}\text{C}$
- number of heating days: $n = 218$, $t_{em} = 12^{\circ}\text{C}$
- altitude: 205 m above sea level

Heat loss of the building in accordance with STN EN 12831 at the regional temperature of -13°C is 20.5 kW, while the building is heated to a temperature of $+5^{\circ}\text{C}$ in case of interruption of compressor station operation.

HEATING BODIES

Wall, hot-air electrical heaters of the SAHARA E 3632.20 – 3 pcs. type have been proposed for heating of the building. In case of temperature reduction inside the building below $+5^{\circ}\text{C}$, the spatial sensor will send a pulse to the OSE control box, which is installed on the wall under the Sahara at a height of 1.5 m. The control box will start the electric hot-air heater. The installed power output of heating hot-air bodies is $9\text{ kW} \times 3\text{ pc} = 27\text{ kW}$.

Košice, April 2005

Prepared by: Ing. Šimšíková

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