

This architectural floor plan shows a rectangular room with a thick, patterned border representing the walls. The plan includes the following elements and dimensions:

- Top Wall:** Three circular symbols, each containing the number 3, are positioned along the top wall.
- Top Dimensions:** A horizontal dimension of 50 is shown at the top right. Along the top edge, there are three vertical dimensions of 60, each corresponding to one of the circular symbols.
- Left Wall:** A vertical dimension of 105 is shown on the left side.
- Bottom Wall:** A vertical dimension of 199 is shown on the left side. At the bottom center, there is a dimension of 60 labeled "hp=60".
- Right Wall:** A vertical dimension of 59 is shown at the bottom right.
- Internal Dimensions and Features:**
 - A horizontal dimension of 300 is shown in the center.
 - A vertical dimension of 400 is shown in the center.
 - A horizontal dimension of 100 is shown on the right side, next to a cyan rectangle.
 - A vertical dimension of 80 is shown on the right side, next to a red circle.
 - A horizontal dimension of 55 is shown on the left side, next to a green rectangle.
 - A vertical dimension of 10 is shown at the top left, next to a yellow circle.
 - A horizontal dimension of 10 is shown between the first two 60 dimensions at the top.
 - A horizontal dimension of 60 is shown between the second and third 60 dimensions at the top.
 - A horizontal dimension of 60 is shown between the third 60 dimension and the 300 dimension.
- Furniture and Symbols:**
 - A green square symbol is located in the center of the room.
 - A red rectangle is located in the bottom right corner.
 - A yellow circle is located near the top left wall.
 - A red circle is located on the right side of the room.
 - A green rectangle is located on the left side of the room.
 - A cyan rectangle is located on the right side of the room.
 - A pink circle containing the number 4 is located in the lower left area.
 - A green circle containing the number 5 is located in the center-right area.
- Other Labels:** A label "19" is located at the top left, pointing to the top wall. A label "hp=60" is located at the bottom center.

Diagram illustrating the heating and hot water supply system for a building, showing the connection to the street gas network and the street water network.

LEGENDA

- 1: Radiator
- 2: Hot water tank
- 3: Manifold
- 4: Condensate neutralizer
- 5: Hot water tank
- 6: Hot water pump
- 7: Hot water pump
- 8: Hot water pump
- 9: Hot water pump
- 10: Hot water pump
- 11: Hot water pump
- 12: Hot water pump
- 13: Hot water pump
- 14: Hot water pump
- 15: Hot water pump
- 16: Hot water pump
- 17: Hot water pump
- 18: Hot water pump
- 19: Hot water pump
- 20: Street gas network
- 21: Street water network

- 1 centrala termica in condensatie pentru incalzire,avand $Q=125 \text{ kW}$; tiraj fortat.
- 2 sonda temperatura incalzire
- 3 KIT orizontal pentru centrale in condensatie D100 /D150
- 4 vas de expansiune din otel, vertical, 6bar, 400 litri
- 5 separator hidraulic din otel, cu dezaerator si robinet golire, izolat, Dn 50mm D=315mm H=1200mm
- 6 electropompa circulatie debit 5,5 mc/h h=4,5mCA
- 7 robinet cu sfera, racord olandez, pt.apa FE-FI-1 1/2"
- 8 robinet cu sfera, pt.apa FI-FI-2 1/2"
- 9 robinet cu sfera, pt.apa FI-FI-1/2"
- 10 filtru impuritati, FI-FI-2"
- 11 supapa de sens cu arc, FI-FI-2"
- 12 supapa de sens cu arc, FI-FI-1/2"
- 13 racord antivibrant din inox pentru gaz ,1"-1",L=160mm
- 14 robinet cu sfera, pt.gaz FI-FI-1"
- 15 robinet cu sfera, pt.gaz FI-FI-1 1/4"
- 16 filtru stabilizator de gaz metan, 1"
- 17 electrovana gaz metan, normal deschis, D 1 1/4"
- 18 detector gaz metan
- 19 cutie pentru post reglare-masurare cu regulator si placa de contor pentru gaz
- 20 regulator si contor pentru gaz
- 21 vana fluture cu prindere intre flanse; DN = 65 mm
- 22 supapa de sens cu ventil, arc si flansa DN = 50 mm
- 24 electropompa pentru circulatie incalzire, $Q = 16,5 \text{ mc/h}$ h= 13mCA

 conducta tur a racordului la rețeaua de termoficare,
din teava de oțel preizolată DN 76,1/140
 conducta retur a racordului la rețeaua de termoficare,
din teava de oțel preizolată DN 76,1/140
 conducta tur a instalației termice de legătură la cazane,
din teava de oțel DN 1" - 2 1/2"
 conducta retur a instalației termice de legătură la cazane
din teava de oțel DN 1" - 2 1/2"
 conducta de alimentare cu gaze naturale a cazanelor,
din teava de oțel DN 1" - 1 1/4"
 conducta de alimentare cu apă a instalației de încălzire,
din teava de PEHD DN 25mm

SA Supapa de Aerisire DN 1/2"
RG Robinet de Golire DN 1/2"
 Termometru
 Manometru
Ss1" Supapa de siguranță
CA₂¹" Contor de apă de ¹, Contor de apă de "

Nota: -toate conductele aferente instalatiei de incalzire din centrala termica se vor izola cu vata caserata de 30mm
-Inainte de umplerea instalatiei atat reseaua termica cat si instalatia de incalzire din cladire va fi spalata

VERIFICATOR/EXPERT	NUME	SEMNATURA	CERINTA	REFERAT / EXPERTIZA NR. / DATA	
 SC ARCHITUDIO SRL CUI RO18844274 J20/1028/2006 Petrosani, Hunedoara Tel:0722779324; Fax:0354819354; proiectare2006@yahoo.com				Beneficiar: D.A.D.P.P. PETROSANI mun. Petrosani, str. 1 Decembrie 1918, nr. 93, judetul Hunedoara	
				Nr. Pr.	
				6-8/	
				2016	
SPECIFICATIE	NUMELE	SEMNATURA	Scara	Titlu proiect: LUCRARI DE CONSTRUCTII PUNCTE,	
Sef proiect	arh. C. A. Fratila		%	CENTRALE SI RETELE TERMICE PE GAZE NATURALE PENTRU	
Arhitectura	arh. C. A. Fratila			TERMICA SCOALA GENERALA "AVRAM STANCA"	
Rezistenta	ing. N. Joita		Data	mun. Petrosani, str. 1 Decembrie 1918, nr. 73, judetul Hunedoara	
Inst.Incalzire	ing. R. Borcsi		02/2016	Titlu plansa: PLAN SI SCHEMA INSTALATII IN CENTRALA	
				Nr. Pl.	
				I.02	