

Diagram illustrating the mechanical ventilation system layout for a four-story building (PIĘTRO 1 to PIĘTRO 4) and the ground floor (PRZYZIEMIE).

The system includes two main duct networks:

- Left Duct Network (Kitchen - pom. gospod):**
 - Supply fan: wentylator kanałowy, $V_w = 70 \text{ m}^3/\text{h}$, $D_p = 100 \text{ Pa}$.
 - Duct diameter: $dn100$.
 - Flow rate at kitchen: $20 \text{ m}^3/\text{h}$.
 - Ground floor unit: $50 \text{ m}^3/\text{h}$.
- Right Duct Network (Living Area - POM NR3, POM NR4, POM NR5, POM NR6, POM NR8):**
 - Supply fan: wentylator kanałowy, $V_w = 465 \text{ m}^3/\text{h}$, $D_p = 150 \text{ Pa}$.
 - Duct diameters: $dn200$, $dn150$, $dn125$, $dn100$.
 - Flow rates at various points: $30 \text{ m}^3/\text{h}$ (POM NR5), $105 \text{ m}^3/\text{h}$ (POM NR6), $180 \text{ m}^3/\text{h}$ (POM NR3).
 - Ground floor unit: $50 \text{ m}^3/\text{h}$.

The diagram also shows the building's structure with floors labeled PIĘTRO 1 to PIĘTRO 4 and a ground floor (PRZYZIEMIE). The system is powered by two fans (W1, W2) located on the roof.

The diagram illustrates a four-story building's heating system layout. It features four vertical risers, labeled CO1, CO2, CO3, and CO4, each serving three floors. Radiators are installed in various rooms, with their specifications (room number, temperature, and power) detailed in the table below.

Riser	Floor	Room	Temp (°C)	Power (kW)
CO1	4th	pom. 8	20C	1,3kW
	3rd	pom. 6 zaplecze	20C	0,4kW
	2nd	pom. 4	20C	0,4kW
CO2	4th	korytarz	20C	1,0kW
	3rd	pom. 7	20C	1,0kW
	2nd	pom. 4	20C	0,4kW
CO3	4th	pom. 8	20C	2,3kW
	3rd	pom. 6	20C	1,3kW
	2nd	pom. 5	20C	0,7kW
CO4	4th	pom. 8	20C	2,3kW
	3rd	pom. 6	20C	1,3kW
	2nd	pom. 6	20C	1,5kW

Additional details from the diagram include:

- Each radiator is labeled with its size (e.g., 33/500/900, 11/500/400, 22/500/400, 22/600/800).
- The system is connected to a central heating network with a boiler and a pump.
- The installation temperature is specified as C.O. - 75/55 C.
- The diagram includes a note about the connection to the heating system: "z istniejącego przyłącza".

TEMAT : PROJEKT BUDOWLANY REMONTU I KONSERWACJI BRAMY WOLIŃSKIEJ W GOLENIOWIE	NR RYS: <div style="font-size: 48px; text-align: center;">5</div>
ADRES : Goleniów, Plac Bramy Wolińskiej 1, dz. nr 452/7, obr. 5 Goleniów	SKALA : <div style="font-size: 24px; text-align: center;">1:100</div>
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RYSUNEK : <div style="text-align: center;"> INSTALACJE SANITARNE ROZWINIĘCIA </div>	STADIUM: Projekt budowlany
BRANŻA : SANITARNA	
PROJEKTOWAŁ : mgr inż. Andrzej Matejek upr bud nr ZAP/0074/POOS/06	PODPIS:
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