



PCInet



DESIGN | INSTALLATION | SERVICE

ANIMAL FARM EQUIPMENT
OUR PROJECTS



- | A pig pen in an open, weekly cycle
- | Technological group - 32 sows (according to prognoses, approx. 22 k. piglets to be produced annually)

Primary equipment:

- | Box type automatic feeders 8W/2 - 32 pcs.
- | Farrowing crates - 160 pcs.
- | Plastic slats - 2 000 m² | concrete slats - 1 350 m²
- | Drinking bowls - 472 pcs.
- | Sorting stations
- | Materneo dispensers (sow feeding system) - 160 pcs.
- | Feeding stations - 20 pcs.
- | Air inlets - 88 pcs.
- | Penning dividers - 253 pcs.
- | Polymer concrete troughs | Plastic walls - approx. 1 000m | Spiral feeding system - 660 m
- | Chain and ring feeding systems - 1 130 m

The facility consists of 3 buildings



PIGLET REARING SECTOR – 8 chambers



FARROWING SECTOR – 5 chambers, 32 stations each

- | Farrowing crates - 160 pcs.
- | Plastic slats – 2 000 m²

The section features farrowing pens with the dimensions of 1,8 m x 2,6 m with plastic, gridded floors and heating mats for piglets. Below the sows are cast iron slats. Of note here is a state-of-the-art sow feeding system by Asserva.

Method of operation:

The feed is sent to the farrowing area via a chain feed transport system, to approx. 8 liter dispensers. From them, it is automatically dispensed to the sows in doses of 100 g according to the feeding curves. The entire process is managed by a computer. Water is also provided with the feed, therefore the sows have access to access to pulp feed. In the event of the sows not finishing the feed, sensors send the appropriate information and the system signals a problem in the specific pen, thus the staff is able to immediately check the cause of the sow's decreased appetite.





BOAR SECTOR



MATING SECTOR



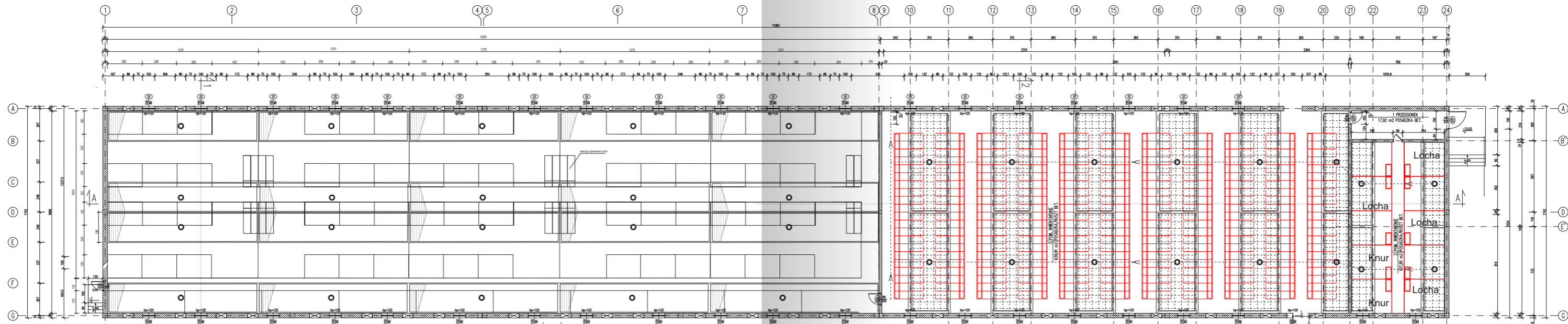
PREGNANT SOW SECTOR WITH A SEPARATED SECTOR FOR GILTS

Here, there are **10 group pens** which house **36 animals** each. Of note here are the **feeding stations**. There are 2 such devices in **each of the pens**, which are each able to serve up to **20 animals**. Pregnant sows here will be fed individually, in accordance with their feeding curve.

Method of operation:

Upon entry of the sows inside, the station closes, identifies the sow by the chip and dispenses the feed in small doses of 100 g with water. After eating the feed, sows will have to back out to exit the station.



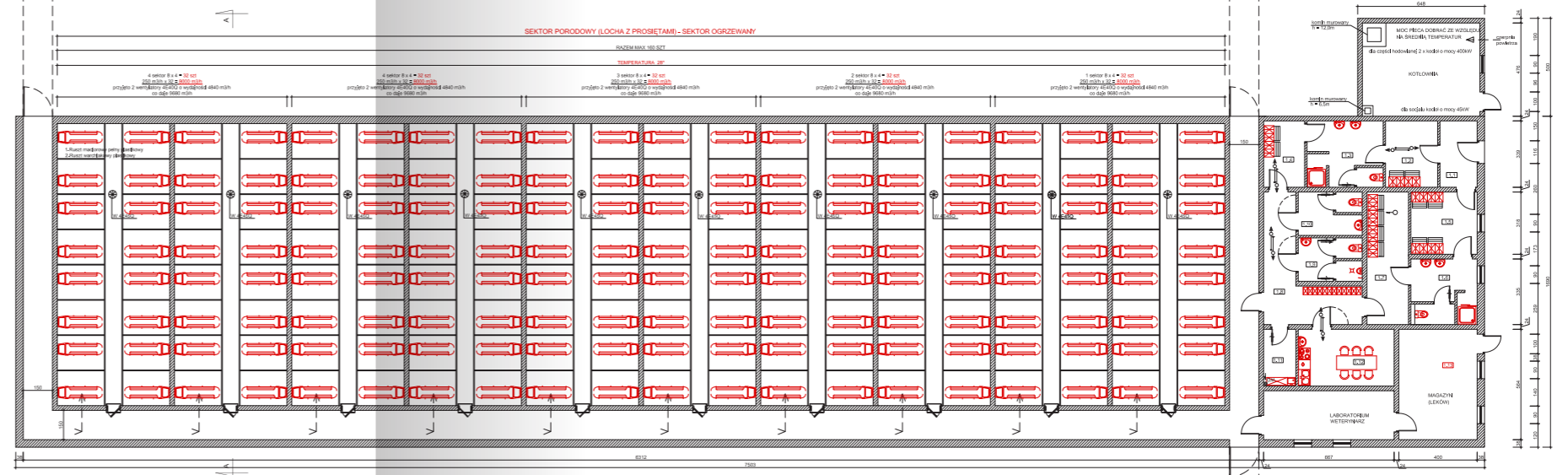


HOG SECTOR

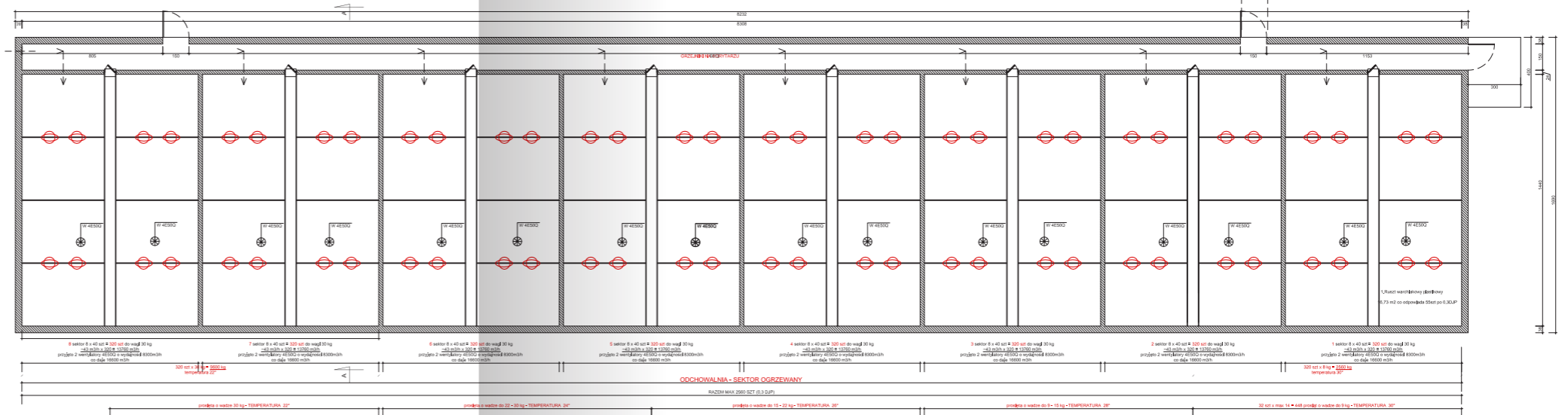
MATING SECTOR

PREGNANT SOW SECTOR

FARROWING SECTOR



PIGLET REARING SECTOR



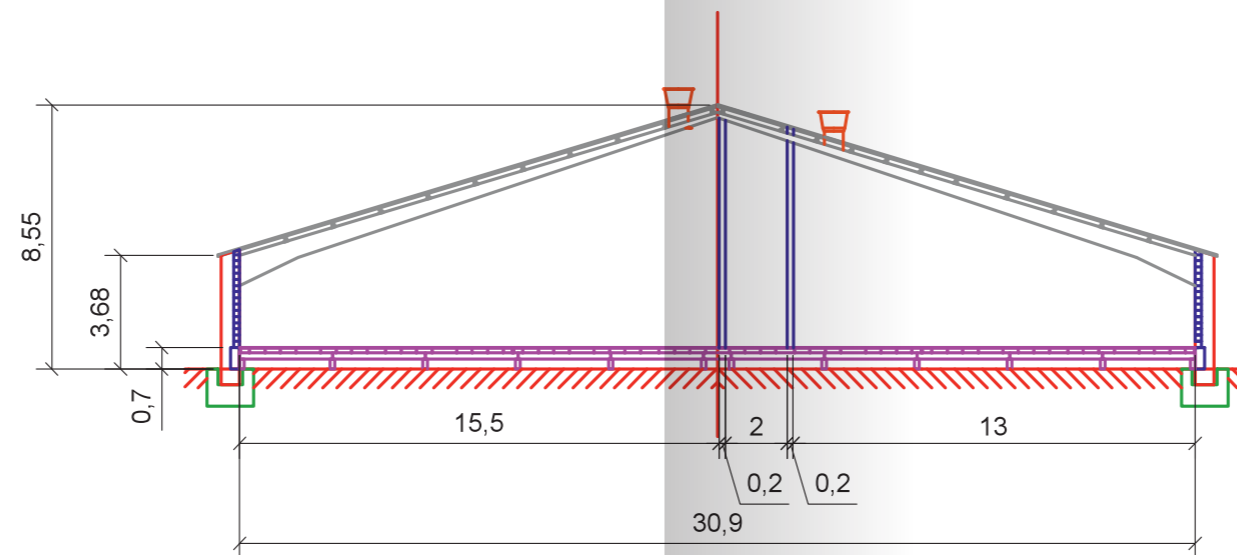
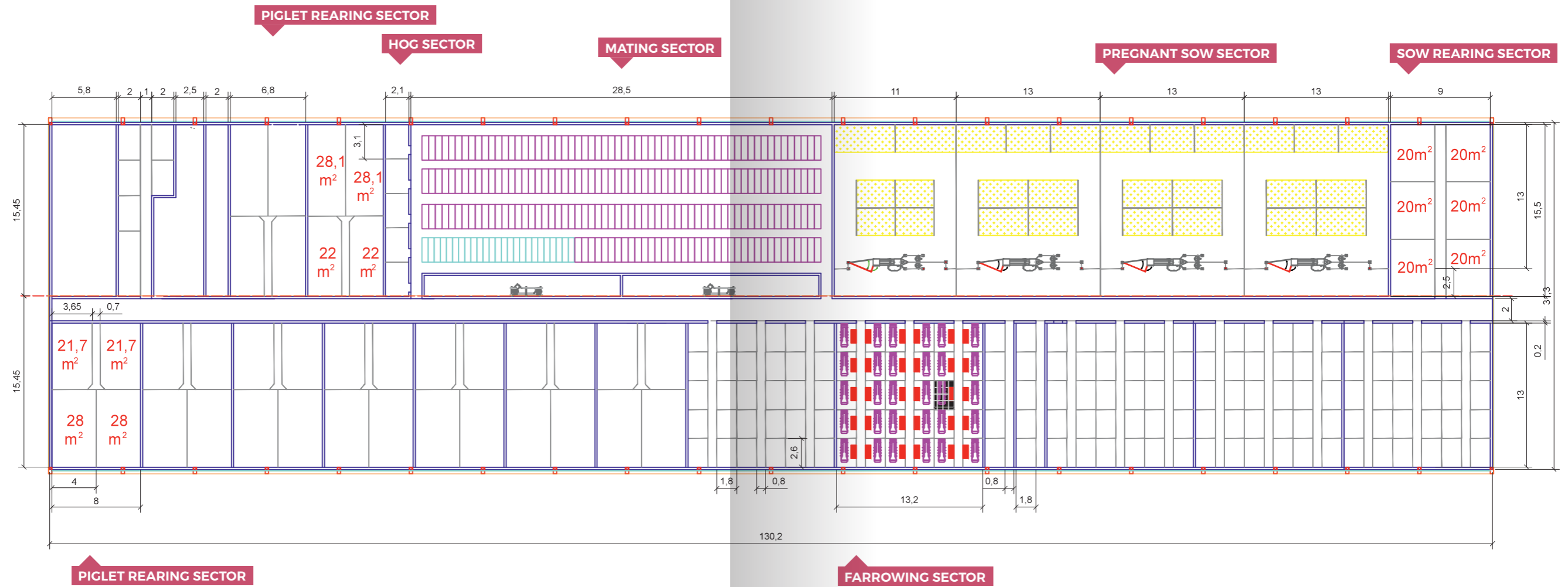


- | Pig pen in an open, weekly cycle
- | Technological group - 30 sows (annual production is approx. 23 800 piglets)
- | Primary equipment: box type automated feeders, automatic feed dispensers, sow feeding stations, drinking bowls, feed transporters, troughs, drinking stations, farrowing crates, group pens, penning dividers, concrete and plastic slats, Multifan ventilators

The facility features:

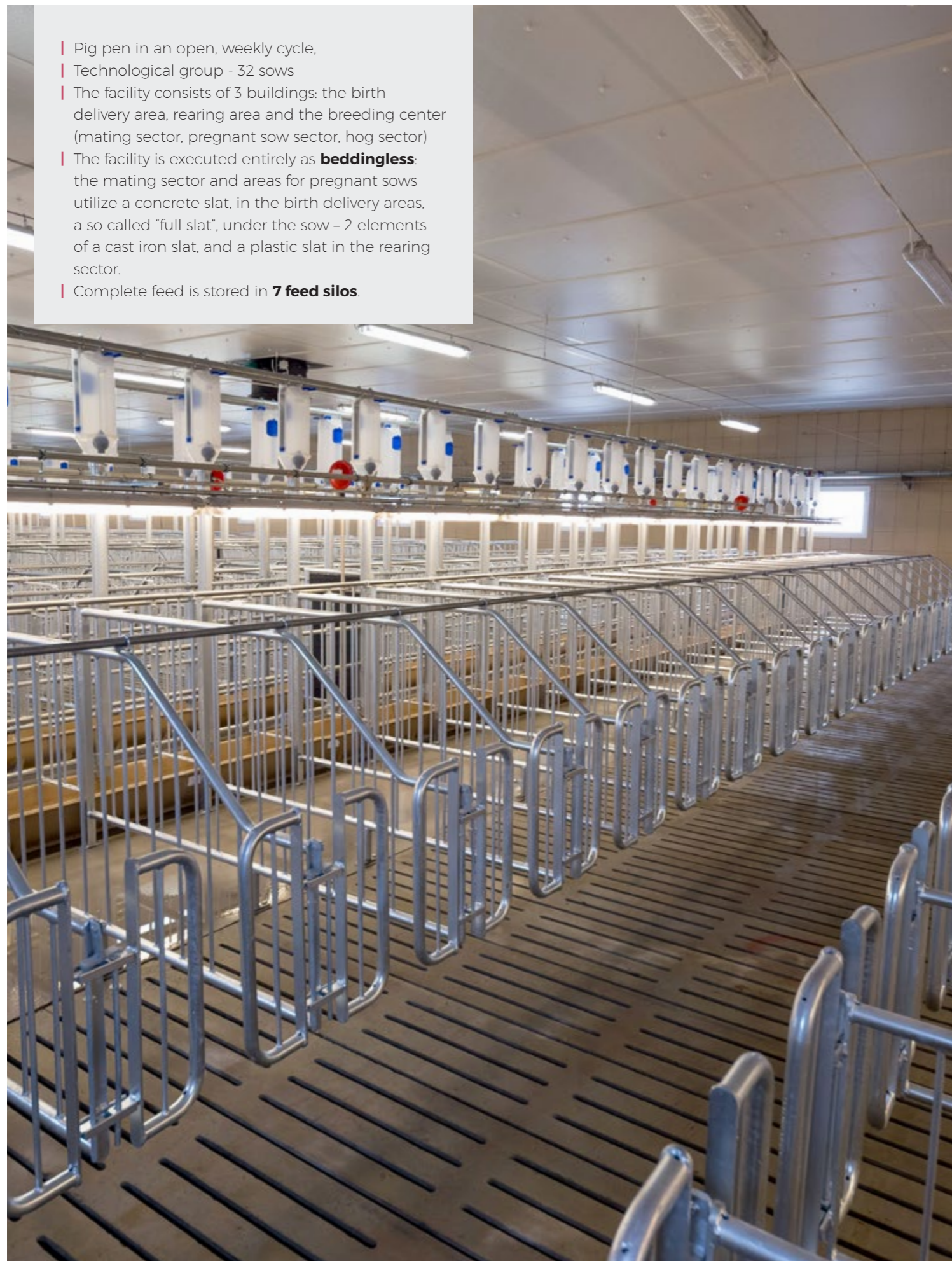
- | A farrowing sector - 5 chambers x 30 stations, 1 chamber - 10 stations (reserve)
- | Piglet rearing sector - 8 chambers
- | Mating sector 248 stations + gilt training pens
- | Hog sector - 7 pens
- | Sow rearing sector - 92 stations (8 pens)
- | 7 feed silos







- | Pig pen in an open, weekly cycle.
- | Technological group - 32 sows
- | The facility consists of 3 buildings: the birth delivery area, rearing area and the breeding center (mating sector, pregnant sow sector, hog sector)
- | The facility is executed entirely as **beddingless**: the mating sector and areas for pregnant sows utilize a concrete slat, in the birth delivery areas, a so called "full slat", under the sow – 2 elements of a cast iron slat, and a plastic slat in the rearing sector.
- | Complete feed is stored in **7 feed silos**.



FURROWING SECTOR

- | 5 chambers, 32 stations each
- | Farrowing crates, dimensions 2,60 x 1,90 m – placed perpendicular (for better adjustment)
- | Stainless steel troughs with possibility of adjustment to the inside of the pen
- | Drinking bowls for piglets
- | Drinking teats for sows | Piglet supplementary feeding - prestarter provided in feeders
- | Full slat, under the sow 2 cast iron slat elements



PIGLET REARING SECTOR

- | 8 chambers, approx. 420 piglets each
- | Plastic slat on the entire floor
- | Distribution of 3 types of feed – using 3 feed transport lines
- | Nutrition – box type automatic feeders
- | Drinking bowls (4 pcs. per 50 piglets)



MATING SECTOR

- | 231 individual pens
- | Nutrition – feed transporters, dispensers – feed dispensed to polymer concrete troughs
- | Water level sensors installed in the troughs
- | Concrete slat
- | Additional lighting => heat stimulation => warm light fluorescent lamp
- | Gate system for hogs



PREGNANT SOW SECTOR

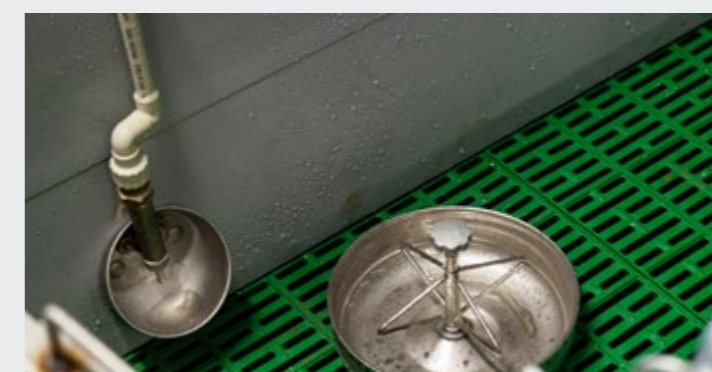
- | 48 group pens, 8-9 sows each
- | Nutrition – trough separators (individual, conflict less intake of feed)
- | Concrete slat

HOG SECTOR

- | 3 pens with full partitions for hogs
- | 32 stations for gilts

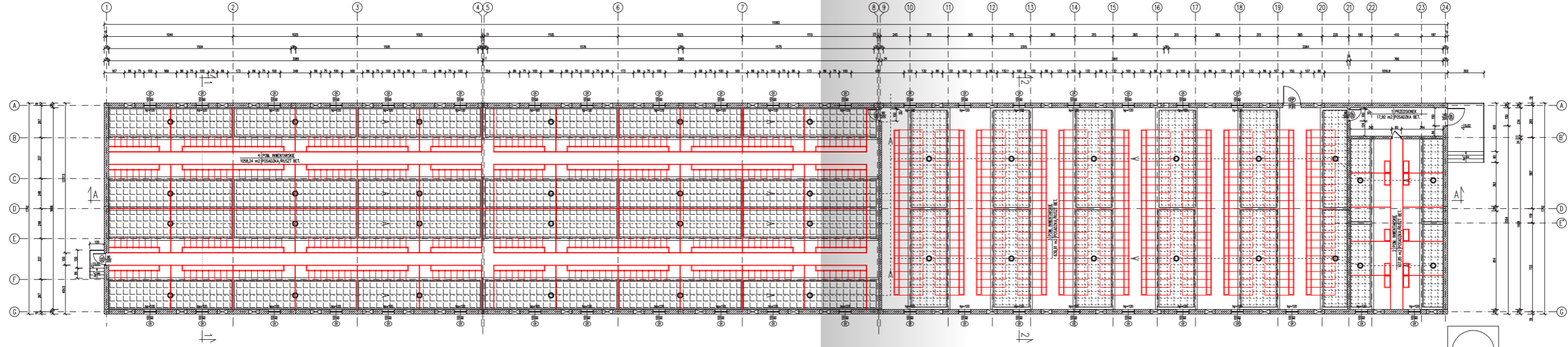
VENTILATION, HEATING, MICROCLIMATE

In the delivery sector, apart from **heating** of spaces for piglets using a **water-floor system (water mats and radiators)** there is also an additional **system of heaters**. The facility is also equipped with a technically advanced **microclimate control system**. Apart from **mechanical ventilation** and a **heating system**, the farm also features an air **cooling system** (misting method), which is intended to limit the heat stress during winter months. Air for the delivery and rearing sectors arrives from outside the building, passing through a central corridor to the space between the ceiling and headliner, and is distributed through a **diffusion ceiling**. Ventilation features fluid operation adjustment of **Multifan ventilators**.

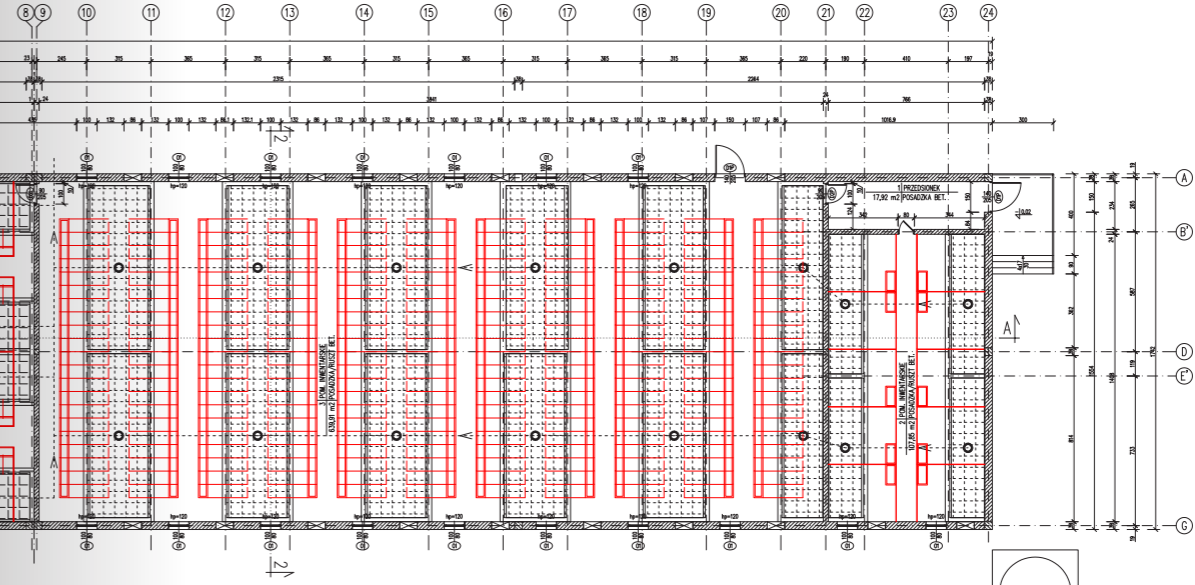




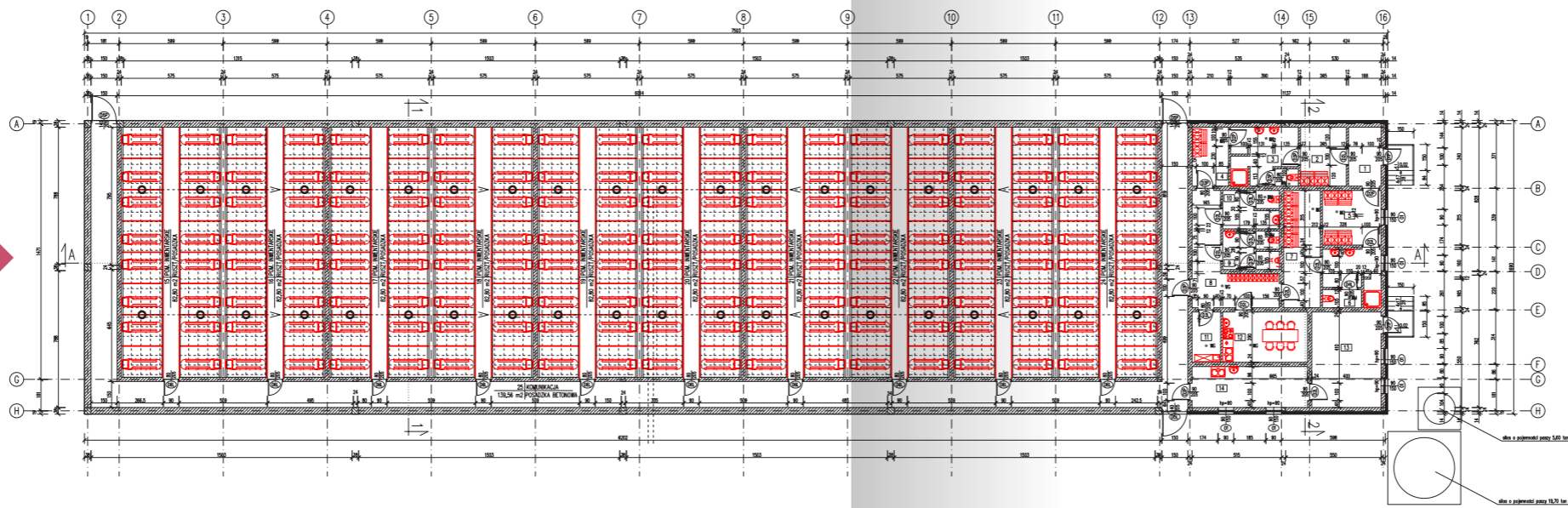
MATING SECTOR



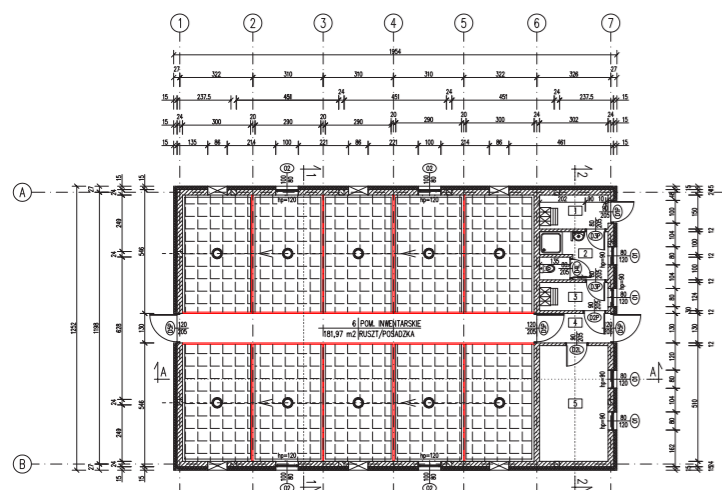
PREGNANT SOW SECTOR



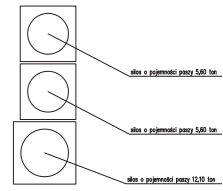
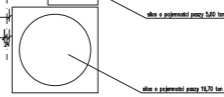
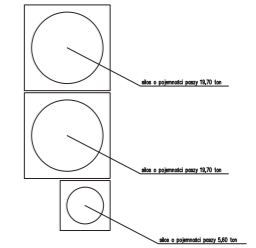
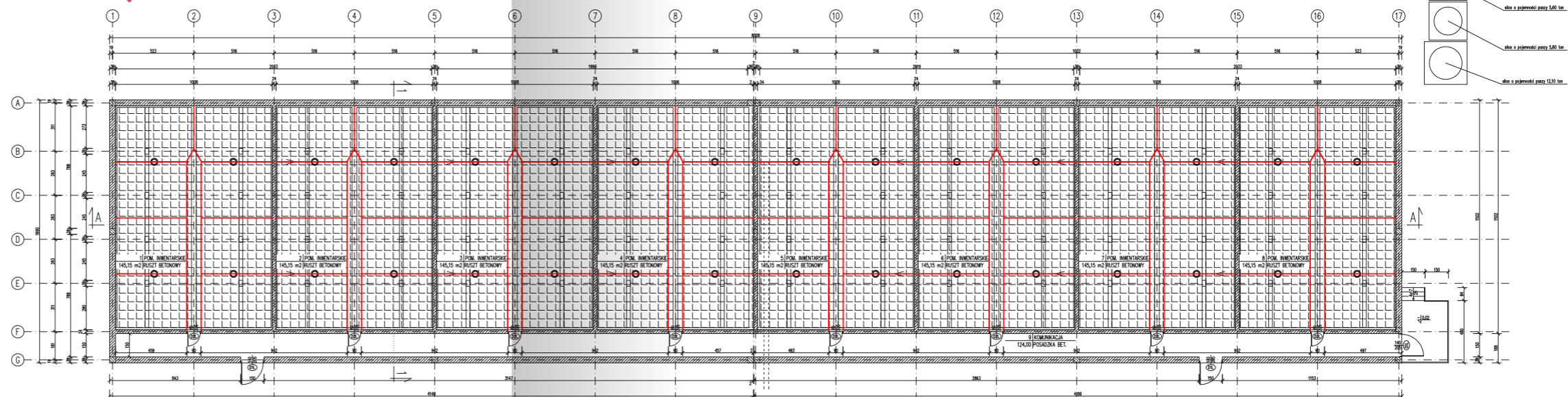
BIRTH DELIVERY SECTOR

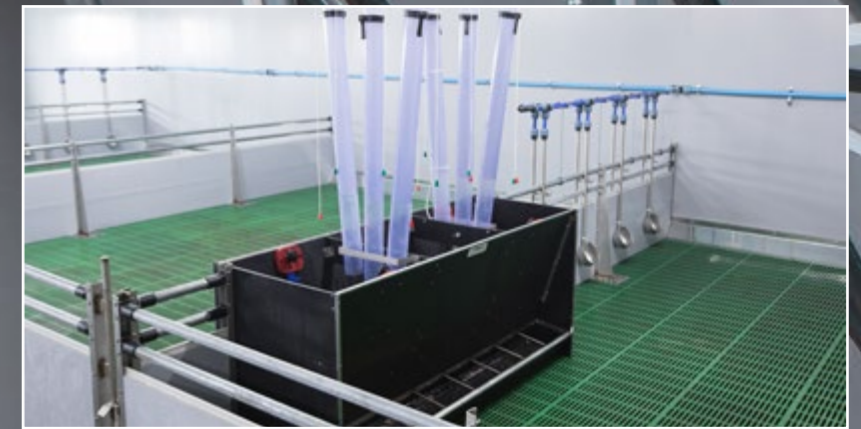
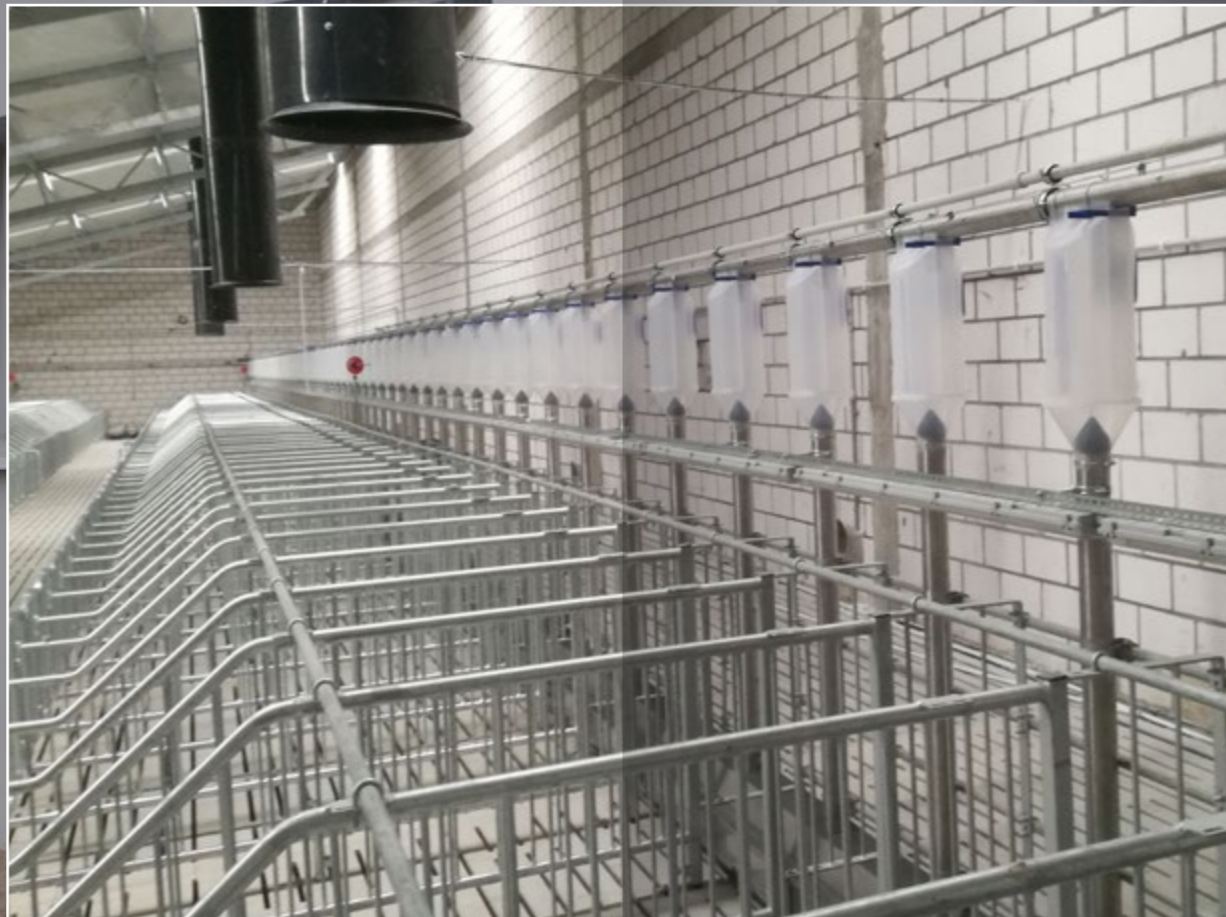


QUARANTINE



PIGLET REARING SECTOR









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FEEDING



WATERING



MAINTENANCE



HYGIENE



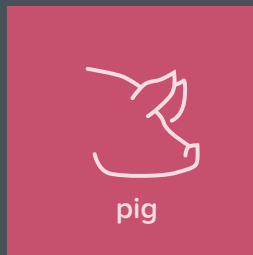
MICROCLIMATE



silo



feed mills



pig



poultry



vet