TEXHA®

REAL CAGE-FREE SYSTEM FOR LAYING HENS

eGGOist

CAGE-FREE EQUIPMENT

TEXHA.COM

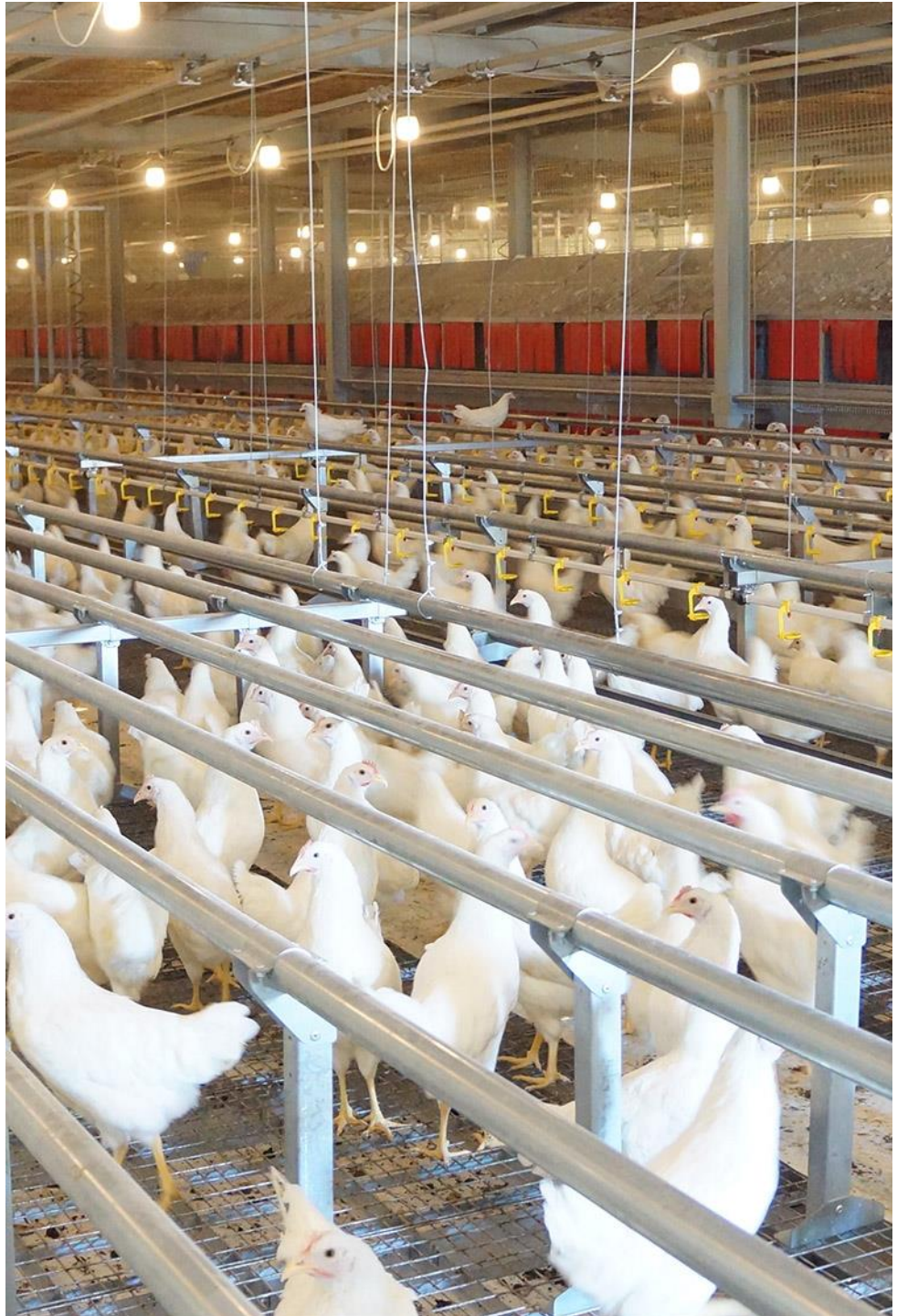
THE MOST HUMAN WAY TO TREAT YOUR BIRDS

The most important advantage
Comfort for birds, convenience for people

NO Discomfort Sickness Injuries Stress Hunger Thirst

CAGE FREE

5 FREEDOMS



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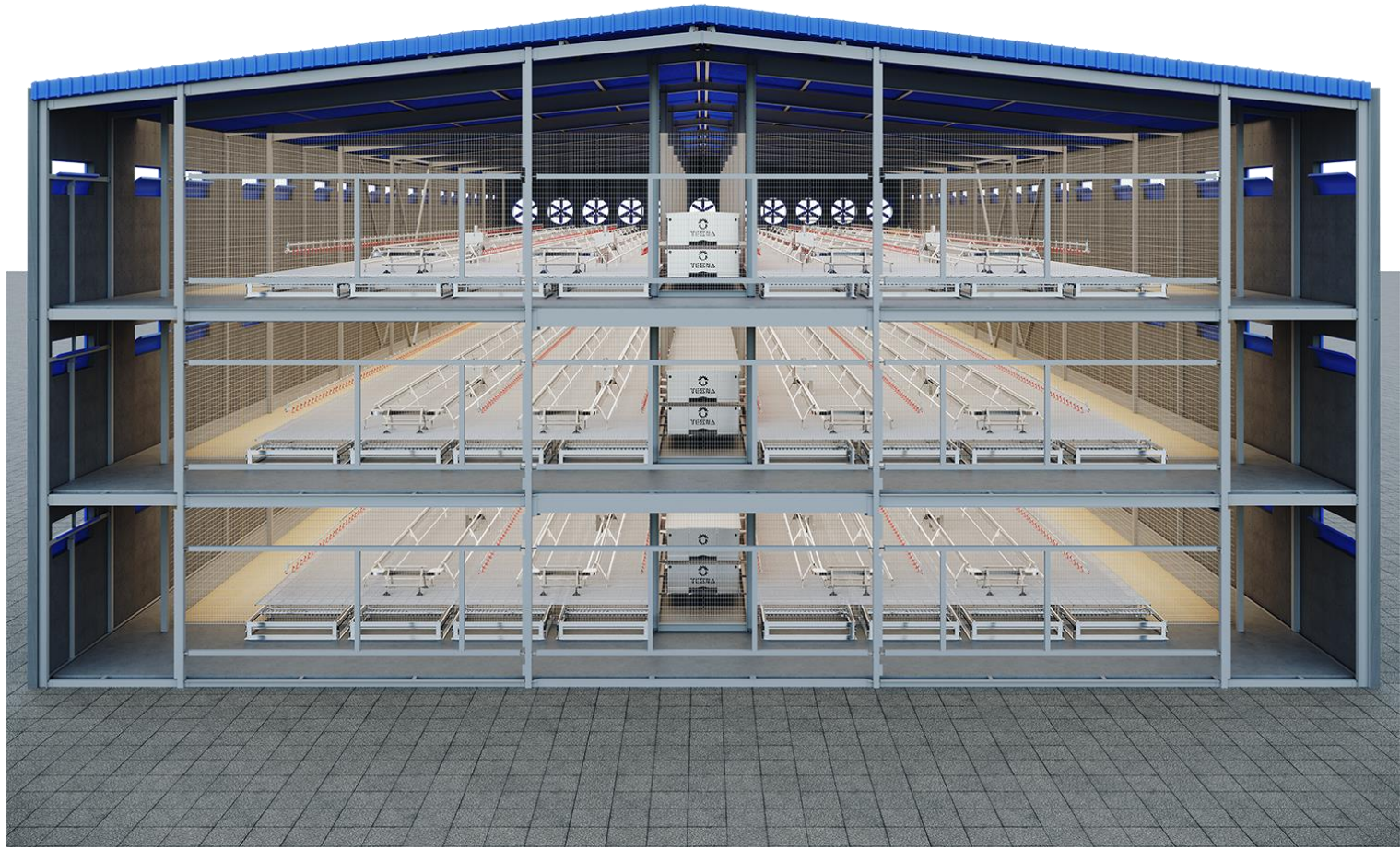
Innovative technology!

System transformation for

any kind of bird

Compliance with the requirements and recommendations of international certification organizations for cage-free



SEVERAL FLOORS OF REAL CAGE-FREE

3 AND 4 LEVELS OF FLOOR EQUIPMENT ARE PACKED TO ONE HOUSING

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PROTECT YOUR BUSINESS

- Versatile design flexible enough to adopt to different standards
- Design compliant with cage-free farming requirements
- Automation of all production processes
- Safe investments, easy management
- Cost-effectiveness: saving money, space, time & labor

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LITTER REMOVAL SYSTEM

Quick and reliable litter removal across all levels of the facility

The litter removal system design and operation principle are identical for each level

Efficient litter removal technology, minimizing the bird's exposure to litter, helps to prevent many issues related to the poultry health

- Full automation of the litter removal system
- Belt-based litter removal system
- High-quality litter removal
- Maintenance of the equipment in clean condition

The litter removal system consists of:

- Drive and tension station
- Polypropylene belt
- Transverse and inclined conveyor

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LITTER REMOVAL SYSTEM

ADVANTAGES

- Includes hard surface for scooping and dust bathing
- Polypropylene litter removal belt
- No scrappers or concrete trenches
- Regular and complete litter cleaning
- Flexible litter removal arrangement
- Improved poultry house hygiene
- Floor made of plastic or galvanized steel mesh helps to reduce poultry exposure to litter
- Litter removal belt running under the floor
- Daily litter discharge on the transverse conveyor
- Single inclined conveyor used to load semi-dry litter into the disposal vehicle
- Ability to remove litter several times during the day

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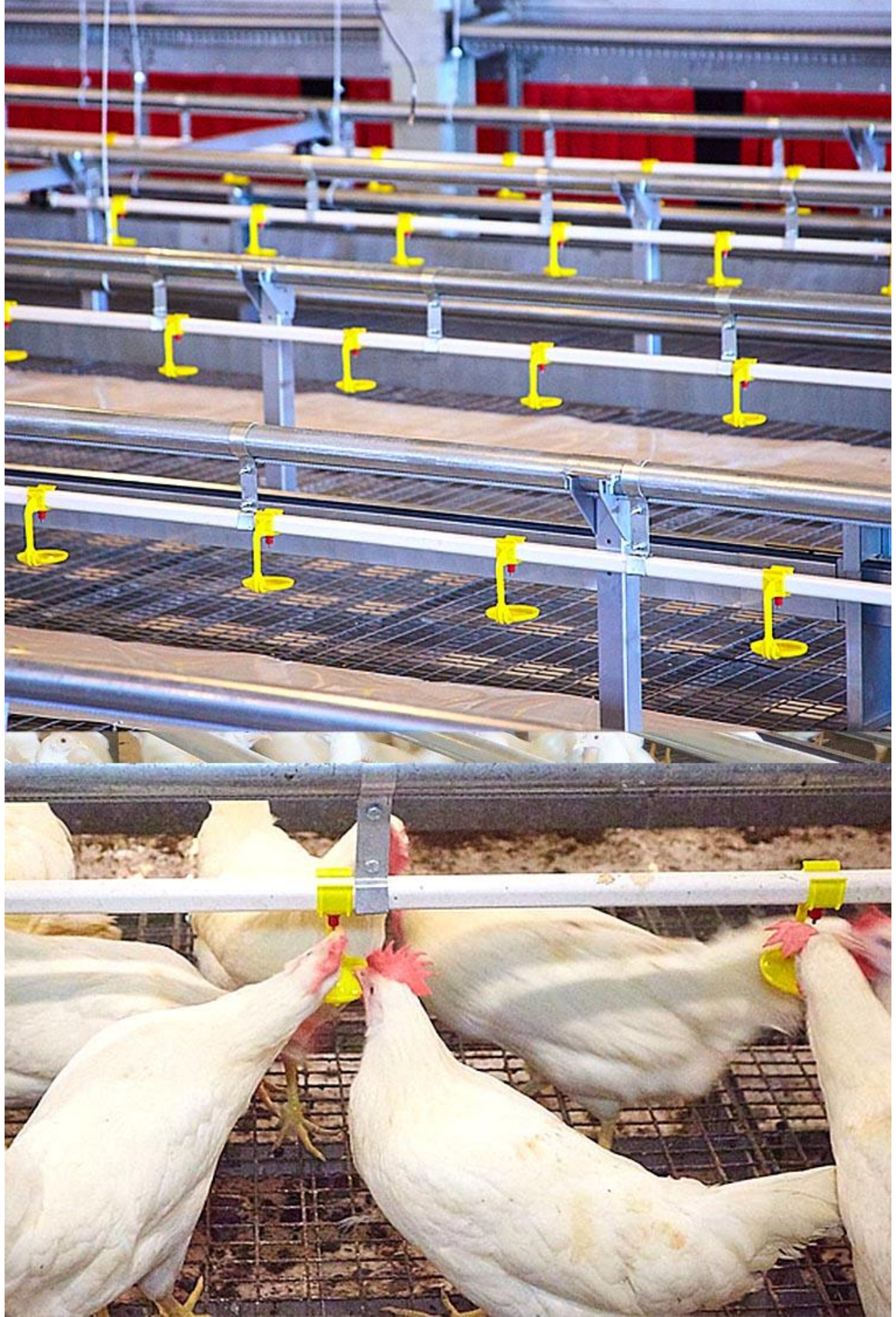
FEEDING SYSTEM

- Highly precise and efficient feed distribution
- Feed uniformity for each bird
- Feed loss prevention
- Reduced labor efforts
- Reduced energy consumption Low energy consumption of feed distribution system
- Precise feed dispensing
- Even feed distribution between all feeding lines
- Ensuring uniformity of feed composition
- Elimination of feed ‘stagnant’ zones

FEEDING SYSTEM

ADVANTAGES

- Feed quantity stored in the external feed bins sufficient for several days;
- Feed line filling using one of the following technologies:
  - Double-auger mechanism, ∅ 90 mm each auger
- Chain-disk based feed supply mechanism Chain-based feed distribution system circuits with feed bin
- Perches installed above gutters to reduce feed contamination
- Feeding lines may be raised both manually and by motor drive
- Time and duration of each feeding session controlled by computer
- Slow start chain speed– 18 m/min.
- Efficiency and reliability
- Easy operation and maintenance
- Reduced feed loss



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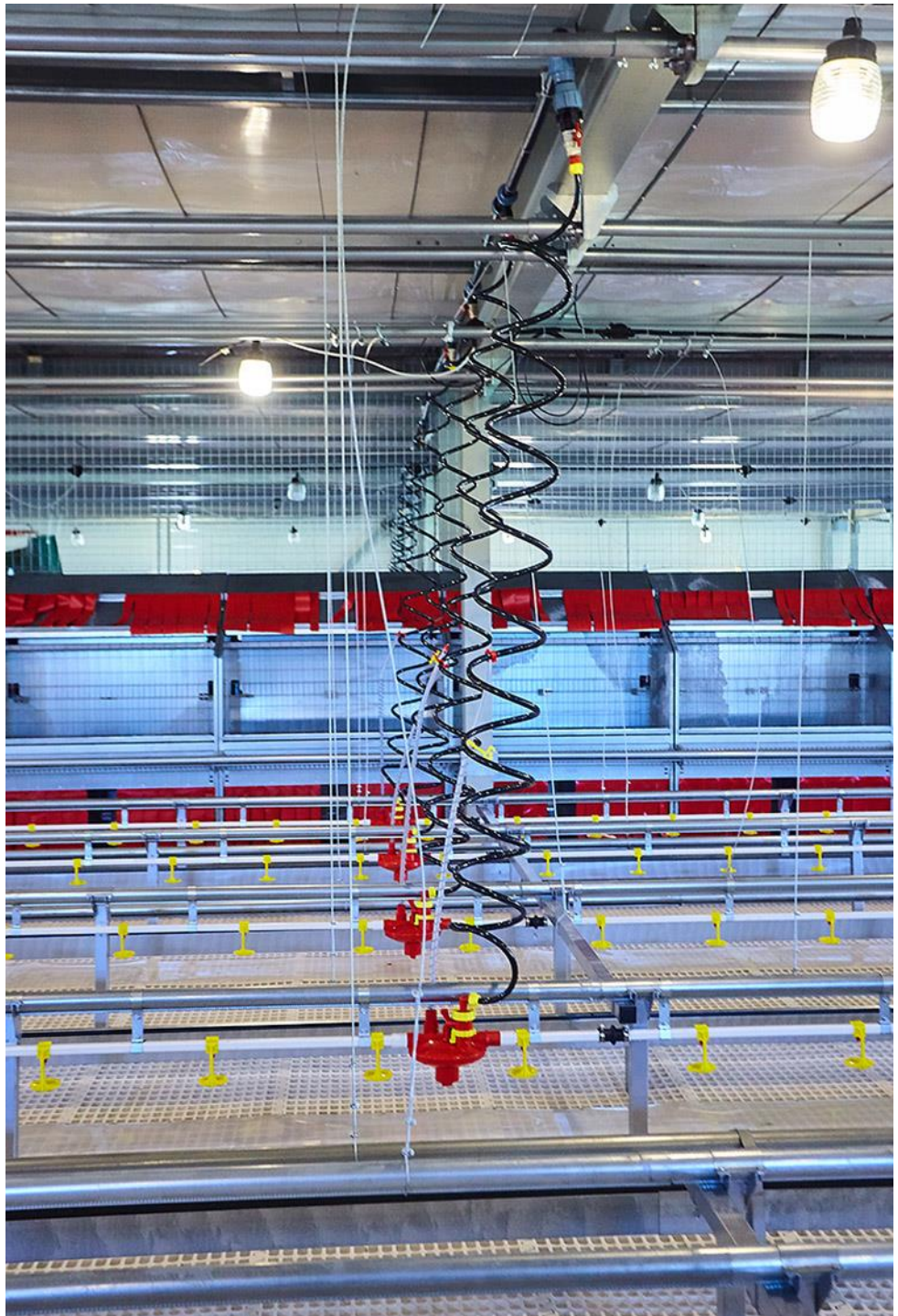
DRINKING SYSTEM

- The water treatment unit comprises of filters, water flow meter, medicator, pressure gauges, valves and fittings, as well as veterinary medication dispenser.
- Each drinking line is equipped with the pressure regulator, vertically operated nipple drinkers and drop catcher.
- Drinking line height may be adjusted either manually or using gear-motor drive.
- Drinking line and perch assembly ensures extra structural rigidity.
- Factory-assembled square-section polypropylene pipes with nipple drinkers ensure high quality and reliable sealing of drinking lines;
- Optimal pipe length helps to reduce the number of connection points.



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EGG-COLLECTION SYSTEM

Egg-collection process automation results in:

- High process performance
- Reduced stress of birds
- Lower egg breakage rate
- Compliance with biological safety standards
- Reduced labor efforts
- Smooth adjustment of the egg collection speed rate
- Easy and convenient maintenance
- Precise mechanics
- Delicate handling of product – the eggs
- Simple and space-saving design
- Reduced labor input for process
- Economic feasibility

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EGG-COLLECTION SYSTEM:nests

Each option supports restriction of laying hen access to the nest during nighttime.

TEXHA offers two options of automated two-level nests of its own design:

- Nests with pusher
- Nests with floor lift

Specifications	2-level nest with pusher	2-level nest with bottom elevation
Bird population per section	260 birds	260 birds
Bottom coating	Artificial grass	Artificial grass
Bottom inclination	7°	7°
Structural material	Galvanized steel	Galvanized steel
Nest roof	Extra hard floor	Extra hard floor
Opening / closing time	15 min.	15 min.

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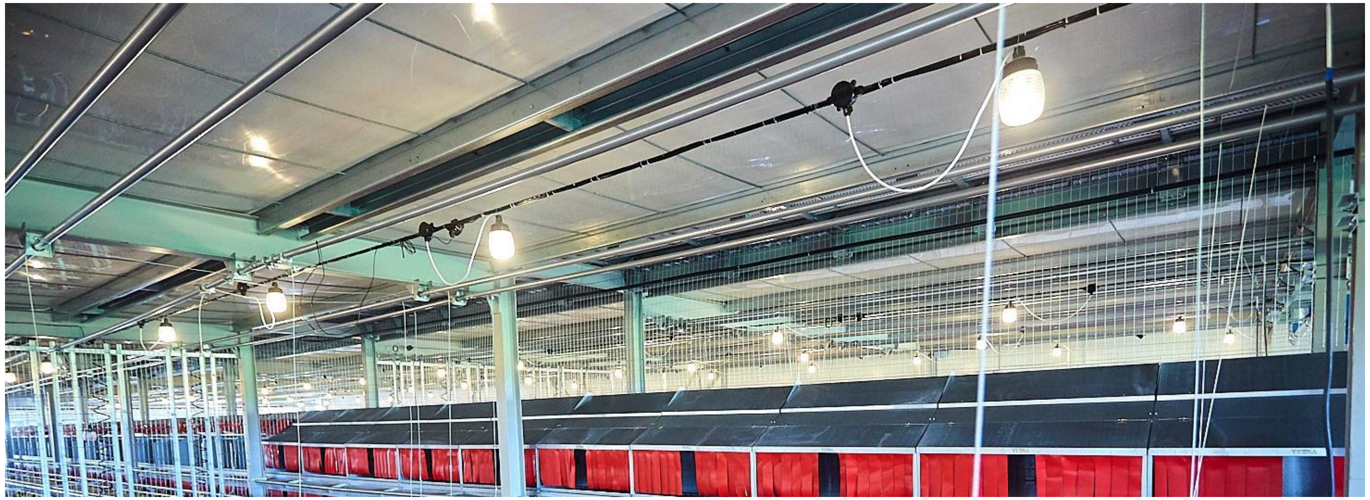
LIGHTING SYSTEM

Advantages

- Use of LED lamps with energy consumption
  - 10 times lower as compared to the filament lamps
  - 2,5 times lower as compared to the luminescent lamps
- Lighting intensity adjustment in 0-100% range for sunrise / sunset functions
- Compliance with the international environmental requirements;
- High level of protection against external impacts
- Warranty and post-warranty service



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MICROCLIMATE

The microclimate system may consist of the one to four following sub-systems in various combinations:

- Ventilation
- Heating
- Humidification / cooling
- Automation

Ventilation system by TEXHA:

- High performance
- Energy efficiency
- Low noise level
- Durability of equipment
- Reliability and cost effectiveness

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EGGoist+ & EGGoist-MAX

- EGGoist+ and EGGoist-MAX design enables increase of the poultry facility's useful area by arrangement of extra areas and clawing zones without changing the dimensions of the building.
- In the EGGoist+ modification additional panels are installed in one row to house 15-20% more poultry.
- EGGoist-MAX version uses two rows of panels and enables an increase of the housed flock size by 25-30%.




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EGGoist, EGGoist+, EGGoist-MAX (European Standards)

European standards	EGGoist total: 153 846 heads (without additional area)		EGGoist+ total: 180 603 heads (with additional area)		EGGoist-MAX total: 189 440 heads (with additional area)	
Area available	17 094 sq.m	9 h/sq.m	20 067 sq.m	9 h/sq.m	23 040 sq.m	9 h/sq.m
Nests	1 440 pcs. (1-tier)		960 pcs. (2-tier)		960 pcs. (2-tier)	
Nest space	1 555,2 sq.m	99 h/sq.m	2 073,6 sq.m	87 h/sq.m	2 073,6 sq.m	100 h/sq.m
Nipples	15 500 pcs.	10 h/nipple	18 100 pcs.	10 h/nipple	20 000 pcs.	10 h/nipple
Feeding	9 285 m	0,05 m/head	9 285 m	0,05 m/head	9 472 m	0,05 m/head
Perches	23 250 m	0,15 m/head	27 150 m	0,15 m/head	30 000 m	0,15 m/head
Scratching area, incl. the roof of the nest	5 641 sq.m	33%	6 820,7 sq.m	34%	9 793 sq.m	42,5%

Building dimensions:

- length 165 m
- width 28,04 m
- height 11,5 m

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EGGoist, EGGoist+, EGGoist-MAX (USA Standards)

USA standards	EGGoist total: 184 000 heads (without additional area)		EGGoist+ total: 216 000 heads (with additional area)		EGGoist-MAX total: 248 000 heads (with additional area)	
Area available	184 000 sq.ft	1 h/sq.ft	216 000 sq.ft	1 h/sq.ft	248 000 sq.ft	1 h/sq.ft
Nests	1 440 pcs. (1-tier)		960 pcs. (2-tier)		960 pcs. (2-tier)	
Nest space	16 740 sq.ft	100 h/9 sq.ft	22 320 sq.ft	87 h/9 sq.ft	22 320 sq.ft	100 h/9 sq.ft
Nipples	18 432 pcs.	10 h/nipple	21 600 pcs.	10 h/nipple	24 800 pcs.	10 h/nipple
Feeding	23 020 ft	0,125 ft/head	30 464 ft	0,125 ft/head	31 076 ft6	0,125 ft/head
Perches	92 100 ft	0,5 ft/head	118 500 ft	0,5 ft/head	124 000 ft	0,5 ft/head
Scratching area, incl. the roof of the nest	51 380 sq.ft	27,9%	73 418 sq.ft%	0,34	105 418 sq.ft	42,5%

Building dimensions:

- length 541,3 ft
- width 92 ft
- height 37,73 ft

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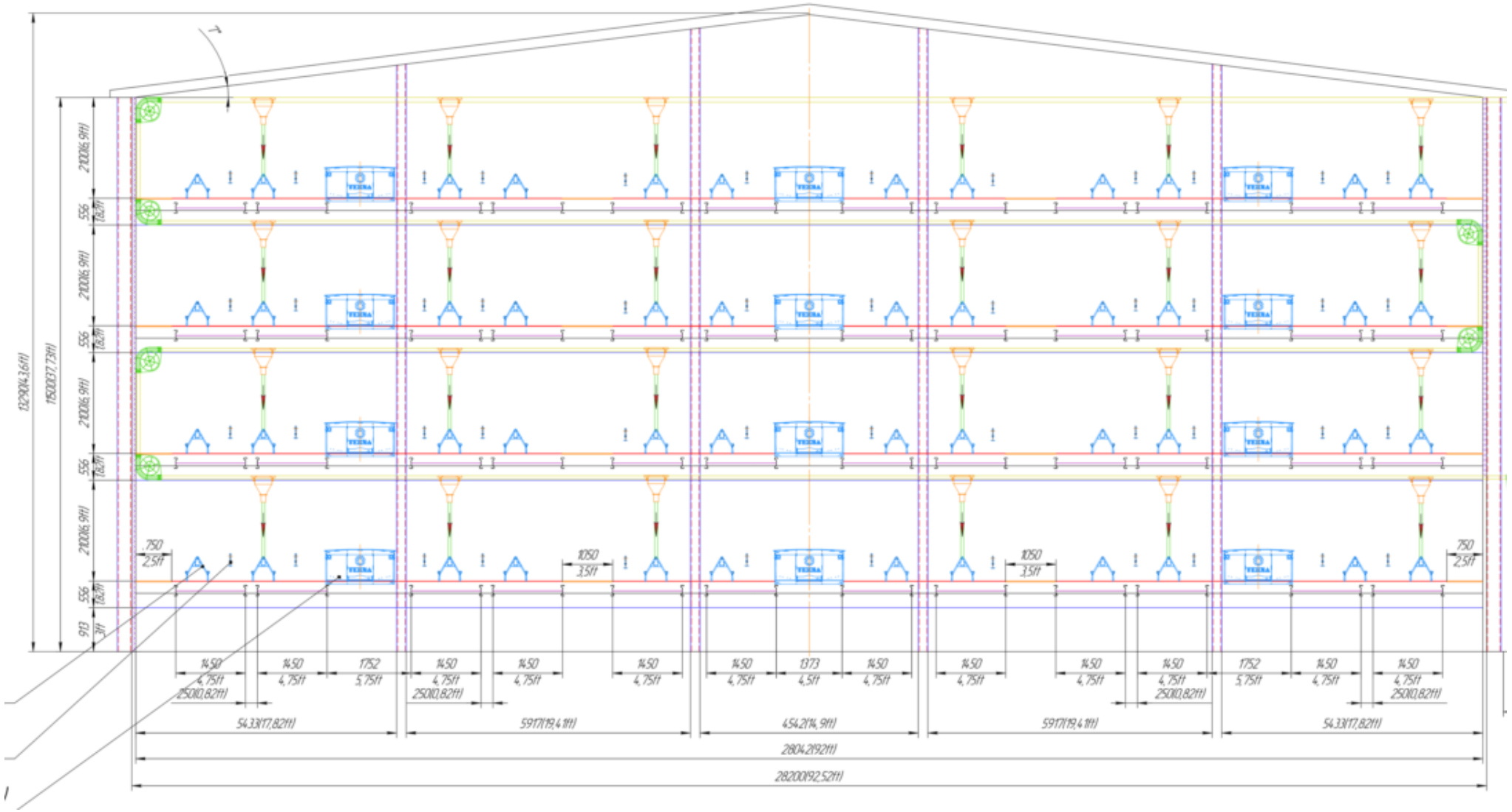
EGGoist



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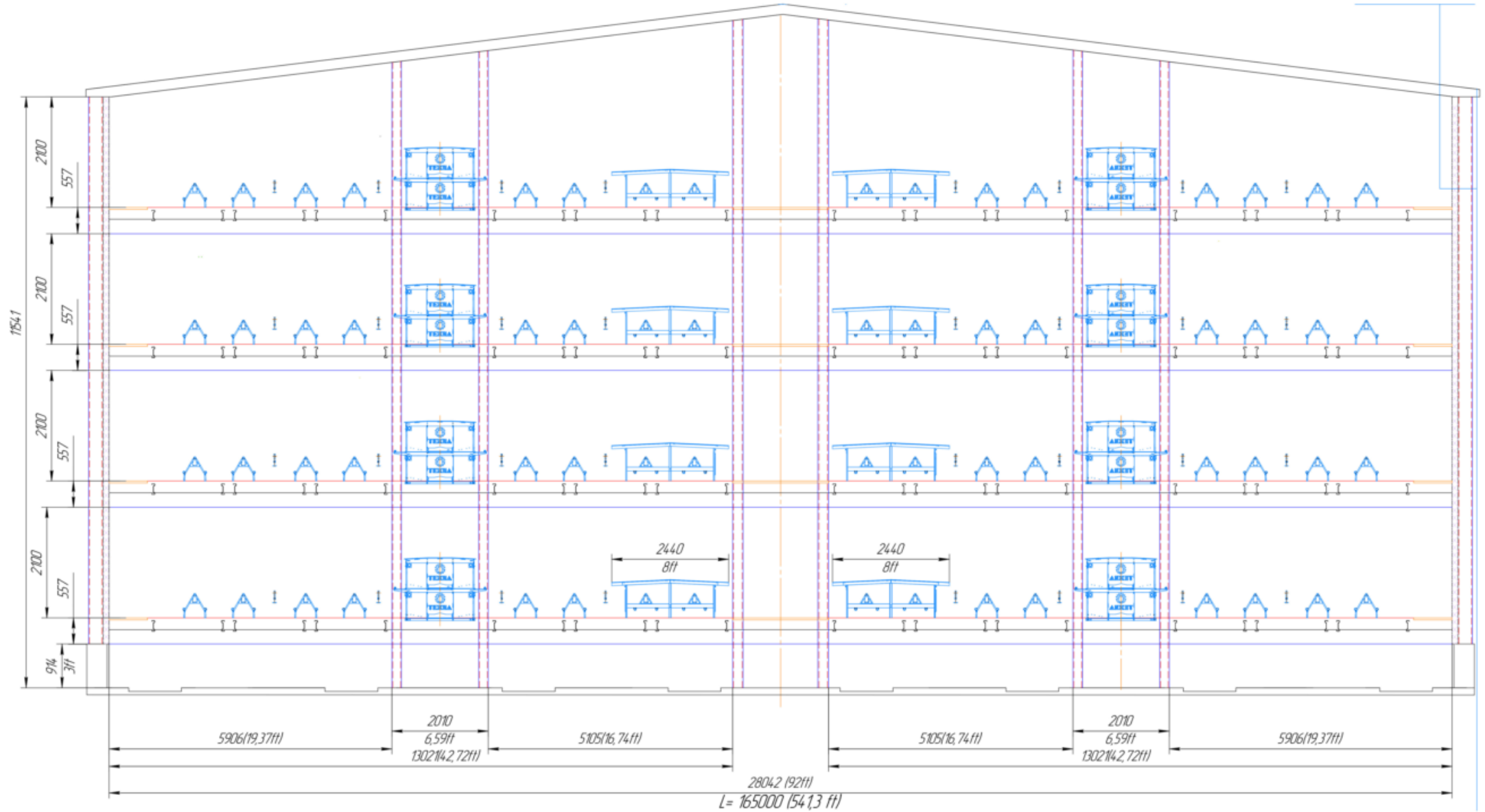
EGGoist+



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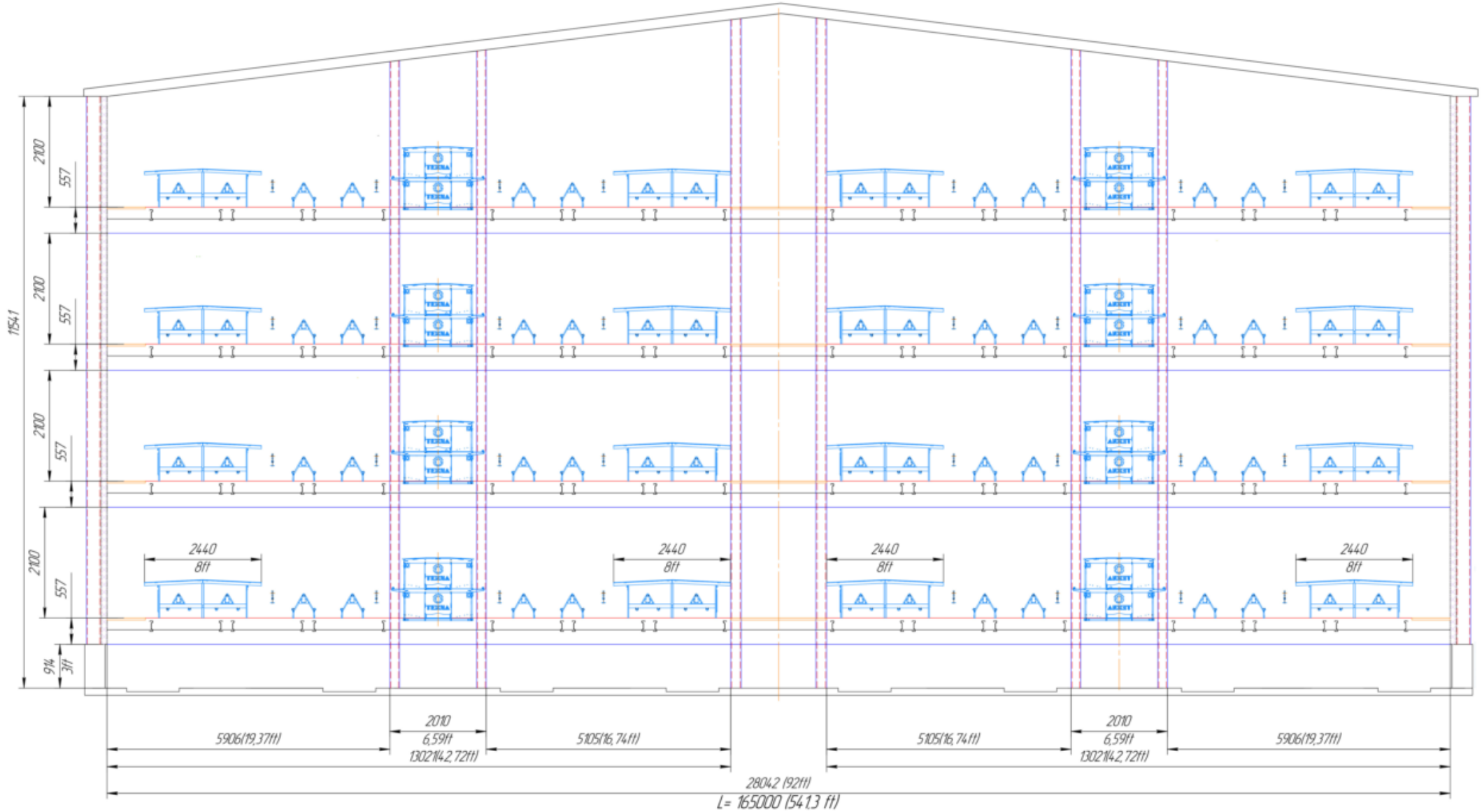
EGGoist-MAX



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