

# BUILDING T42

## BIG IRONWORK

# STANDARDS

## MAIN BUILDING CHARACTERISTICS

### WAREHOUSE / PRODUCTION HALL

Main dimensions: 140.44 m x 296.42 m  
Usable height: from 8,60 m till 9,48 m, from 13,12 m till 14,30 m  
Grid system: 10,0 m x 15,0 m (Ship No. 1-8, 17)  
10,0 m x 20,0 m (Ship No. 9-16)

## TOTAL RENTABLE AREA (OFFICES AND SANITARY SPACES EXCLUDED)

### RENTABLE AREA

Area No.1: 4 244 m<sup>2</sup> (Ship No. 1-2)  
Area No.2: 4 225 m<sup>2</sup> (Ship No. 3-4)  
Area No.3: 6 337 m<sup>2</sup> (Ship No. 5-7)  
Area No.4: 4 912 m<sup>2</sup> (Ship No. 8-9)  
Area No.5: 11 313 m<sup>2</sup> (Ship No. 10-13)  
Area No.6: 8 509 m<sup>2</sup> (Ship No. 14-16)  
Area No.7: 2 147 m<sup>2</sup> (Ship No. 17)

## STRUCTURE, SHELL AND CORE

### FOUNDATIONS

- Existing Concrete foundations of Main Steel Construction.
- New foundations for in-buildings, ramps, technology.

### STEEL FRAME

- Existing vertical steel columns, blasted original paint and new paint with required fire resistance.
- New main steel construction of the roof with new steel girders, steel sheets and steel frames for skylights and crossing of technology.
- Protective concrete plinth with a height of min. 0,2 m over the floor-level around the building (inner side of facade).

### FLOOR

- Steel fibre reinforced concrete floor-slab in the hall with a mineral dry shake and sealing coating, machine finished, dustless, thickness approximately 180 mm, area load capacity 12,0 tons / m<sup>2</sup>; line load capacity 6,0 tons / m with wide 100mm; wheel load 5,0 tons with 5,0 N / mm<sup>2</sup>.
- Separating foil under Steel fibre reinforced concrete floor-slab.

### ROOF

- New steel girders, new steel sheets, vapor barrier, warm insulation with minimal thickness 140 mm, waterproof PVC welded foil with thickness 1,2 mm, light grey colour.
- New roof openable skylights with polycarbonate filling, maximum 4% coverage of the roof area.
- Ceiling in hall – visible painted steel sheets in RAL 9002 (or 9010 on the request) as standard, other chosen RAL color is not included as standard.

### FACADE AND WALLS

- Facade sandwich panels with high density PIR foam warm insulation; minimal thickness 120 mm, Fire rated in accordance of fire protect requirement. RAL color up to owners choice, visible in-side in RAL 9002 (or 9010 on the request) as standard.
- Plastic windows on facade in accordance of layout position. Clear double glazing. (Office and sanitary area).
- Steel personal entrance doors in defined layout position as well as fire exit door.
- Min 1x separate Drive-in with ramp and sectional entrance door 4,0 x 4,5 m (minimum 3,5 x 4,2 m as standard) for every Areas on East facade side except Area No.17 where is the sectional entrance door 3,0 x 4,5 m.
- Industrial sectional gates 3,0 x 3,5 m with sandwich heat insulated leaf with a thickness of 40 mm, Hydraulic dock levellers, dimension 2,5 x 2 m, dynamic load capacity of 6,000 kg, number as follows:
  - Area No.1 – 2 pcs as standard on East facade side.
  - Area No.2 – 2 pcs as standard on East facade side.
  - Area No.3 – 2 pcs as standard on East facade side.
  - Area No.4 – 2 pcs as standard on East facade side.
  - Area No.5 – 4 pcs as standard on East facade side.
  - Area No.6 – 2 pcs on East facade side and 2 pcs on opposite West facade side as standard.
  - Area No.7 – 1 pc as standard.
- Dividing walls between Areas No.1 to 7 are in accordance to fire requirements, they're in the standard.
- Every Area is equipped by steel construction 1,5 x 2,5 m on the East facade over the sectional gates with LV (Low Voltage) connection for Logo Sign

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### FIRE PROTECTION

- Fire protection of the building will be prepared according to STN requirements.
- Assembly of fire Equipment - portable and non portable fire extinguishers is in accordance to fire requirements by the fire safety solution.
- With higher fire load is possible to build overground fire tank and automatic fire extinguishing equipment on the request by clients, but are not included as standard.

### TECHNICAL EQUIPMENT

- Ventilation in the single Area (No.1-7) is with separate HVAC unit, supply, exhaust and distribution of air is according to project and hygienical standards.
- Ventilation in the warehouses part according to project and hygienical standards.
- Heating in the single Area: warm water system heating with side wall units and recovery of air by the HVAC unit. Part of the every rentable Area is Exchanger heating station for prepare warm water. Warm water supplier - Martinská teplotárenská, a.s.
- Design heating temperatures: production hall +18 °C is according to hygienical standards.
- Warm water for toilets and shower room is being prepared in the electrical storage heater (e.g. TATRAMAT is standard).
- LED lighting in the production and warehouse areas, colour (neutral white), with power 200W and 100W. Count a deployment depend on request in accordance to hygienical standards.
- Offices in CA are equipped by LED lights 600x600mm in the ceiling with power 40W, the sanitary areas and corridors are equipped by LED lights with power 18W and 24W.
- Lighting intensity in the warehouse is 150 lx, loading dock areas 200 lux, is included as standard.
- Lighting intensity in the production hall and loading dock areas is 300 lux, is not included as standard.
- Total LV electricity supply of max 150 kW for the technology, lightning and office and sanitary part for every rentable Areas (No. 1-7).
- 2 x 230 V (16 A) + 1 x 400 V (32 A) combination socket boxes with circuit breakers and residual current devices, per each 1,000 m2 in the hall is included as standard.
- Supplies to technological equipment of the client and their power factor correction are not included as standard. Battery charging places for forklifts are not included as standard.
- Equipotential grounding point on each interior column.
- Security, Access Control, CCTV systems and General Key are not included as standard.
- Cranes - every ship of the Areas is equipped by crane runway on the columns. On the request is possible assembly Overhead Cranes. Maximum carrying capacity is identical with capacity of unmounted cranes. Diagnostics, reconstruction of Crane runways, Delivery and Assembly of the Crane is not included as standard.

### OUTSIDE AREAS

- Roads - concrete surface with bead finish.
- Yard, parking lots, pavements - concrete paving.
- Green vegetation (trees, shrubs, grass, flowers) according to the specific location.
- The hall is illuminated by facade lights located at min 25,0m intervals.
- Portable Gatehouse at the entrance to the yard is included as standard.

### OPTIONS

- Every Ship No.1 - 16 of the Areas is equipped by crane runways on the steel columns. Ship No.17 has got preparation for crane runways. Maximum carrying capacity is identical with capacity of unmounted cranes. Reconstruction of runways, delivery and assembly of cranes is possible, but not included as standard.
- Delivery and Assembly of Security, Access Control, CCTV systems and General Key are possible, but not included as standard.
- With higher fire load is possible to build overground fire tank next door the hall and automatic fire extinguishing equipment on the request by clients, but not included as standard.

### OTHER

- Office, office furniture, sanitary equipment (toilet, sink, washbasin, shower, shower faucet, urinal, etc.) is not included as standard of main hall, will be defined independently.