TECHNICAL SPECIFICATION Hall D

Gdańsk ul. Elbląska 110

Certification: none

Area

Terrein	Entrance, gate / concierge, fence, maneuvering area for trucks, parking for passenger cars - 63 places parking for trucks 42 t - 4 places
Building	A single-storey warehouse with office space. Clear height in the storage area 10 m (to the main beams)
Exterior facade	• On the side of the docks: Walls of precast concrete elements with a height of: > from -1.20 to 4.20 m at the docks > from 0.00 to 4.20 m at the "entrance" from level 0 > from 0.00 to 0.30 m in other parts of the building, except for office premises • Sandwich panels in horizontal orientation with PIR filling, 10 cm thick • From the office side: Glass façade made of translucent and non-transparent glass in RAL 5003 color. Aluminum window and door joinery, powder coated in RAL 5003.

Warehouse part

Fire load	Fire load up to 4000 MJ / m2
Column grid	Column grid with a spacing of 12 m x 25 m
The floor plate	• Uniformly distributed load of 5 T / m². • The floor slab - reinforced concrete, 17 cm thick (reinforced: dispersed reinforcement). • Surface hardening: dry mineral sprinkle, dust-free floor. • Surface flatness according to DIN 18202, table 3, line 3 • Thermal insulation of ground beams, internal circumference. • Prefabricated reinforced concrete perimeter beams. • Jointless floor. • Prefabricated reinforced concrete dock sockets.
Supporting structure	• Reinforced concrete columns, main reinforced concrete beams. • 12 m x 25 m column grid at unloading docks. Steel structure protected against corrosion. • In the front part of the docks, a reinforced concrete wall as a substructure for sectional gates.

Sectional doors	• Overhead sectional gates with electric drive: • 3 m x 3.2 m sectional docks with glazed section (number: 2 pcs) • 3.5 m x 4.2 m entrance gates from level 0 (number: 3 pcs).
Transhipment platforms	• Electrical type Hörmann nominal load capacity 60 kN • Lip length 0.405 m, platform width 2.0 m. • Platform length 2.50 m, height 0.6 m, steel structure. • Dock height: 1.20 m • Dock seal: apron. Two rubber buffers with dimensions of 500x250x100mm at each loading platform. Trailer wheel guides for each loading platform - made of cubes.
Roof	The warehouse roof is flat, sheathing made of trapezoidal sheet metal, 0.63 mm thick, powder coated in a standard color. Roof insulation - hard mineral wool (when using a roof sheet with RE15 parameters) covered with a PVC membrane with a thickness of 1.2 mm. Design internal temperature in the storage area +15 ° C, at an outside temperature of -20 ° C.
Roof drainage	Underpressure roof drainage installation, emergency overflows in the walls of the attic.
Lighting the warehouse area	Access to daylight in the storage area - through smoke vents and skylights (lighting area in total 3% of the floor plan). NRO transparent polycarbonate filling. Starting the smoke exhaust from the sprinkler pump station.
Door accessories	Anti-panic mechanisms in all emergency exits. Door closers in fire-resistant doors and in the entrance door of the main office area.

Office part

Fire resistance category and class	ZL III
Offices and communication	• The height of the offices is 3 m in the light. • GK internal walls and 120 mm thick block on steel system profiles with acoustic insulation made of mineral wool, painted with emulsion paint. • Finishing of floors: carpet in offices, ceramic tiles in social areas • Ceiling finishing: mineral system suspended ceiling on a grid, panels 60 cm x 60 cm in white. • Aluminum window frames, powder coated in RAL 5032. • Internal paneled doors (Porta, DRE or equivalent), adjustable wooden frame
Technical rooms	• Floor finish: faded concrete. • Finishing of walls: double painting with emulsion paint. • Doors: metal technical.

Sanitary facilities	• Internal plasterboard walls, 120 mm thick, double-paneled (waterproof board) on steel system profiles with acoustic insulation made of mineral wool, painted with emulsion paint. • Floor finishing: 30 cm x 30 cm ceramic tiles in a standard color. • Wall finishing: tiles up to 2m high, showers up to full height. • Ceiling finishing: mineral system ceiling suspended on a grid, panels 60 cm x 60 cm in white, waterproof. • Sanitary equipment: white ceramic sanitary ware (Circle). • Sanitary equipment: hangers, towel dispensers, soap dispensers.

Sanitary and mechanical installations

Sanitary installations	Sanitary sewage system: combined Rainwater sewage system: storage reservoir: evaporative, draining, water discharge on the basis of a water permit Industrial sewage system: none Water supply system for social and living purposes - deep well with an output of 20 m3 / h, well pump 8 m3 / h
Fire protection	ESFR sprinkler system (K240 heads) in the storage part, water supply for fire purposes from the fire tank. Internal hydrants and handheld firefighting equipment on the storage area in accordance with local regulations and requirements. External hydrants located on the premises of the facility. Permissible fire load on the warehouse: up to 4,000 MJ / m2.
Heating and ventilation	Heating in the storage area - gas heaters. Design internal temperature in the storage area: 15 ° C with an outside temperature of - 20 ° C. In the office part, central heating is supplied from a gas boiler room and individual electric heaters. Calculated internal temperature in the office part: 20 degrees C, outside temperature - 20 ° C. Heating in sanitary facilities locally - electric and water heaters. Ventilation in the storage area: Exhaust: mechanical 0.25 changes / h, roof exhaust fans. Air supply: through entrance gates. Ventilation system: NONE Ventilation in the office and social part: Extraction and supply: ventilation unit with heat recovery, air volume 30 m3 / h. Air conditioning in the office and social area: split 100W / m2

Electrical Installations

General	• 400 kVA power supply for a hall with a warehouse space of 8407 m2. • Energy distribution: main switchgear, object switchgears. • Power supply: 230/400 V. • Electricity consumption billed by sub-calculator. One meter per module of warehouse space. • Power supply for the workplace: two sockets on an 8m2 purely office space. • Cleaning and general purpose sockets: one cleaning socket for every 20 m2 of room (corridors, sanitary facilities, lockers, cleaning room, technical room). • General purpose sockets in kitchenettes: 4 pcs. • In the warehouse part - a set of single-phase general-purpose sockets located at the loading platform, 2 pcs +1 force socket (1 set per 3000 m2 of the hall) • Lightning protection - horizontal and vertical lightning rods
Lighting	• Fluorescent lamp lighting • 200 lux in the warehouse (before check-in), in sanitary rooms, corridors and staircases) • 150 lux in technical rooms • 500 lux in offices • Emergency lighting / signage for emergency exits at all LED emergency exits outside the building
Telecommunication	Teletechnical connections: Netia