

30 plans – part 1

This document as well as the following one are a comparative analysis of the floor plans of factories, showing their evolution.

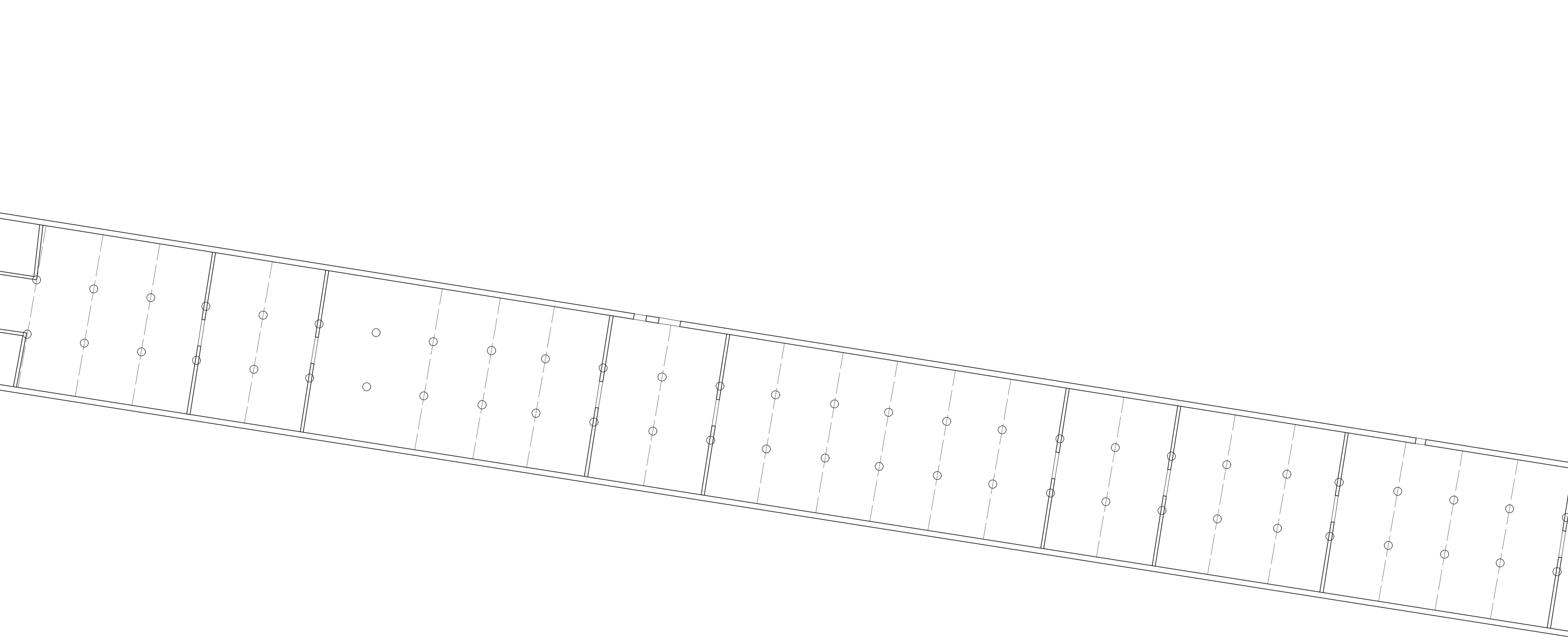
Accompanying the plans is a short technical description of the buildings, date of construction, floor area, structural materials and the number of floors all serve to better illustrate the floor plans

This first document shows the evolution from the prototypical factory, the arsenale in Venice through to the industrial architecture of Albert Kahn, ending just before the second world war, the last few buildings by Kahn show the evolution that the factory was to take, going from a multi-storey building in the pre-World War II industrial world to the single-storey shed. The first models appearing just before the war.

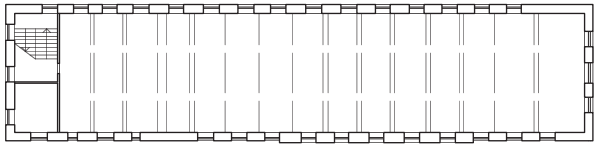
This is the evolution of the fordist factory, the document closing with its apogee.

The second document is devoted to the analysis of factories from the post-war period to contemporary factories, and shows the passage from the fordist factory to the post-fordist factory, the movement is opposite to that of the previous document, here the last plan is not a single-storey building, but a two-storey one, perhaps showing the evolution of the typology.

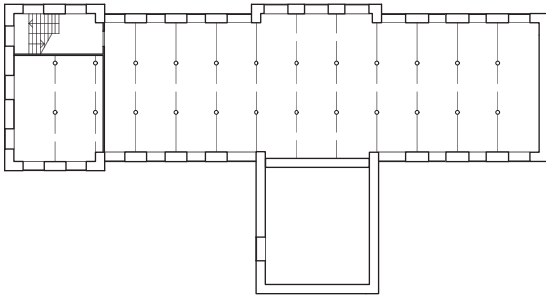
All plans are drawn at 1:500.



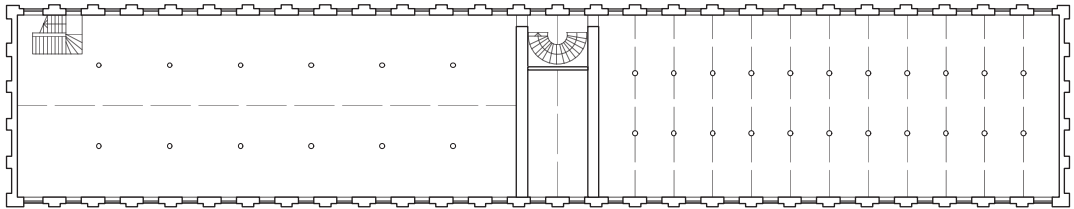
Name:	Arsenal di Venezia
Date of completion:	Construction from 13 th century to 17 th century
Location:	Venice, Italy
Floor area:	Divided into many buildings, main part approx. 11'000m ²
Number of floors:	1
Structure:	Wood post and beam
Architect:	Multifold



Name:	Cromford Mill
Date of completion:	1771
Location:	Derby, UK
Floor area:	300m ²
Number of floors:	5
Structure:	Wood post and beam
Architect:	George Sorocold



Name:	Calico Mill
Date of completion:	1793
Location:	Derby, UK
Floor area:	370 m ²
Number of floors:	6
Structure:	Cast iron columns and wood beams
Architect:	Unknown



Name: Houldsworth's Cotton Mill

Date of completion: 1804

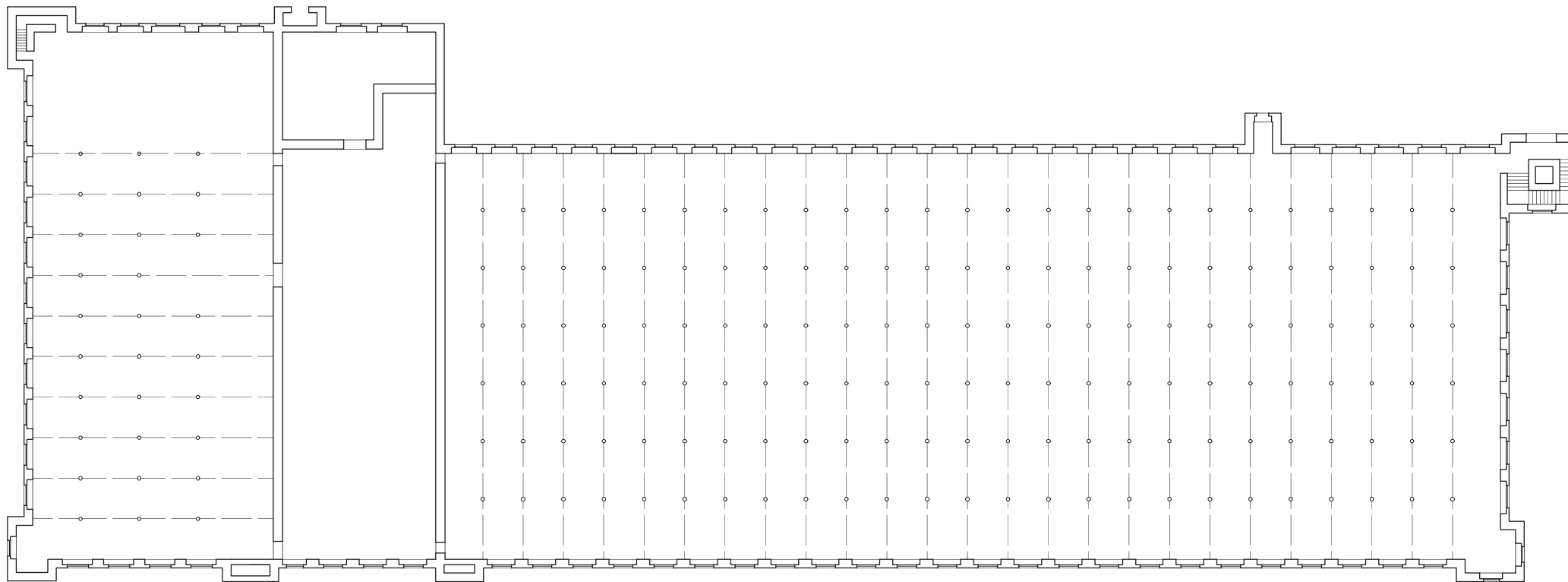
Location: Glasgow, UK

Floor area: 830 m²

Number of floors: 8

Structure: Half cast iron/brick half cast iron/wood

Architect: Unknown



Name: Gidlow Mill

Date of completion: 1865

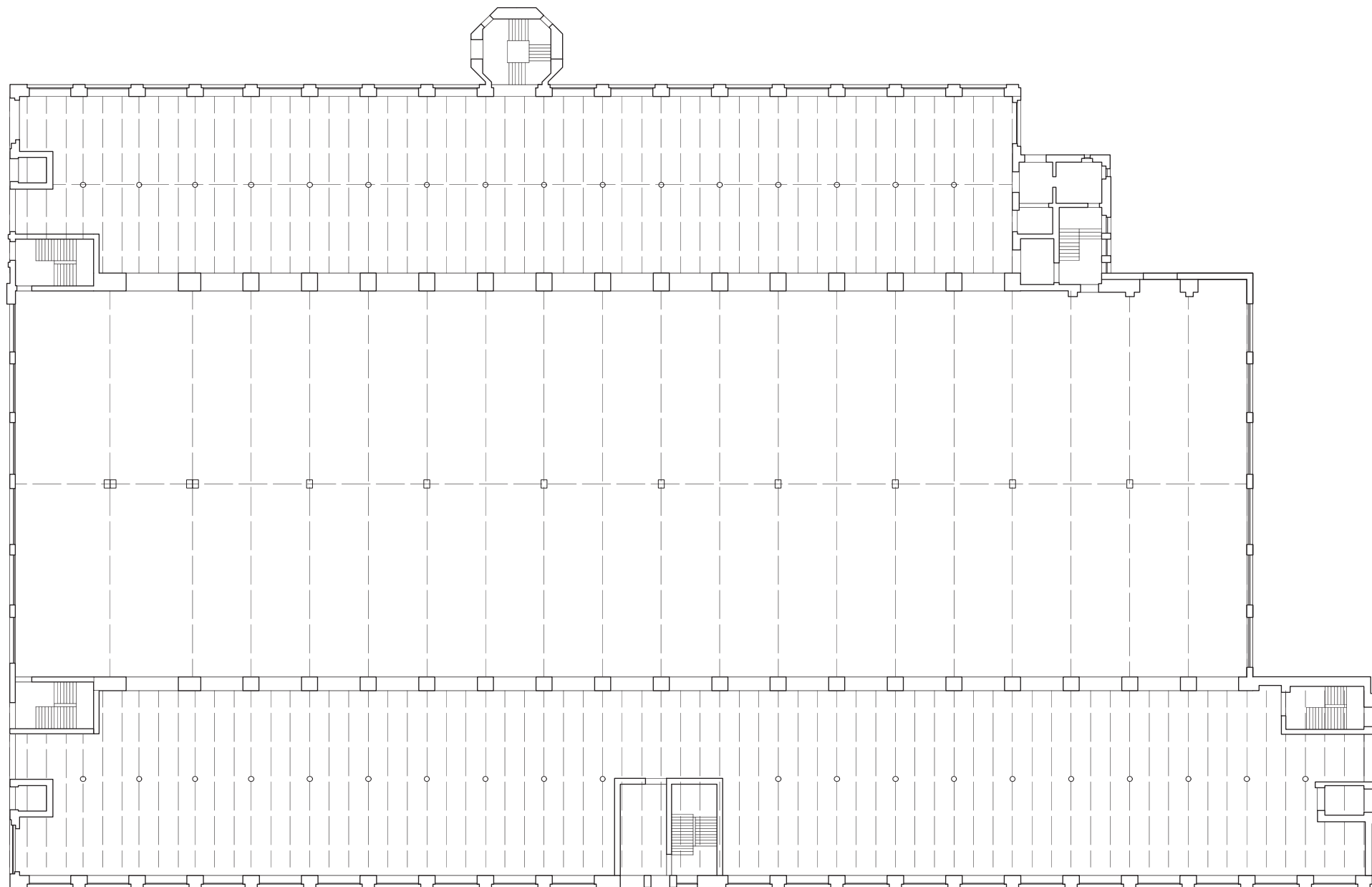
Location: Wigan, UK

Floor area: 5000 m²

Number of floors: 3

Structure: Cast iron

Architect: Unknown



Name: A.E.G. Hochspannungsfabrik

Date of completion: 1909

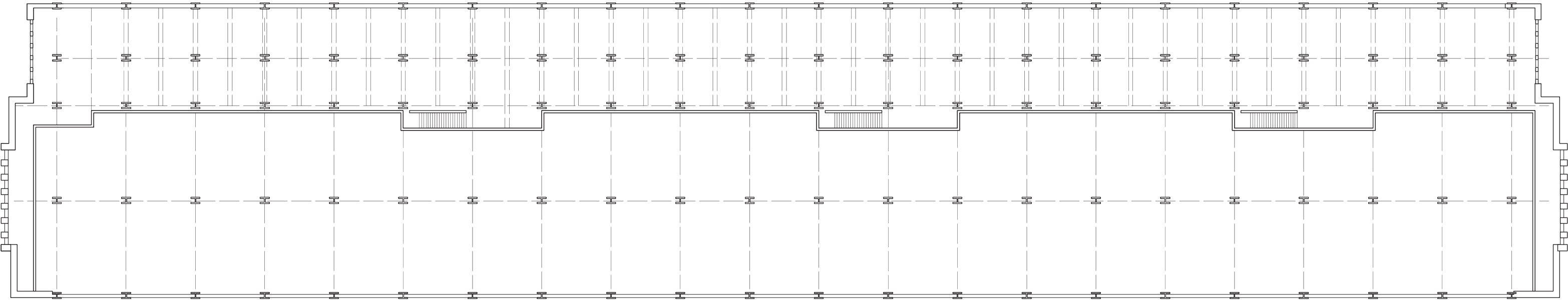
Location: Berlin, Germany

Floor area: 7'500 m²

Number of floors: 1 in the production space
3 in lateral spaces

Structure: Cast iron

Architect: Unknown



Name: Ford Motor Company Plant, Highland Park Old Shop

Date of completion: 1909

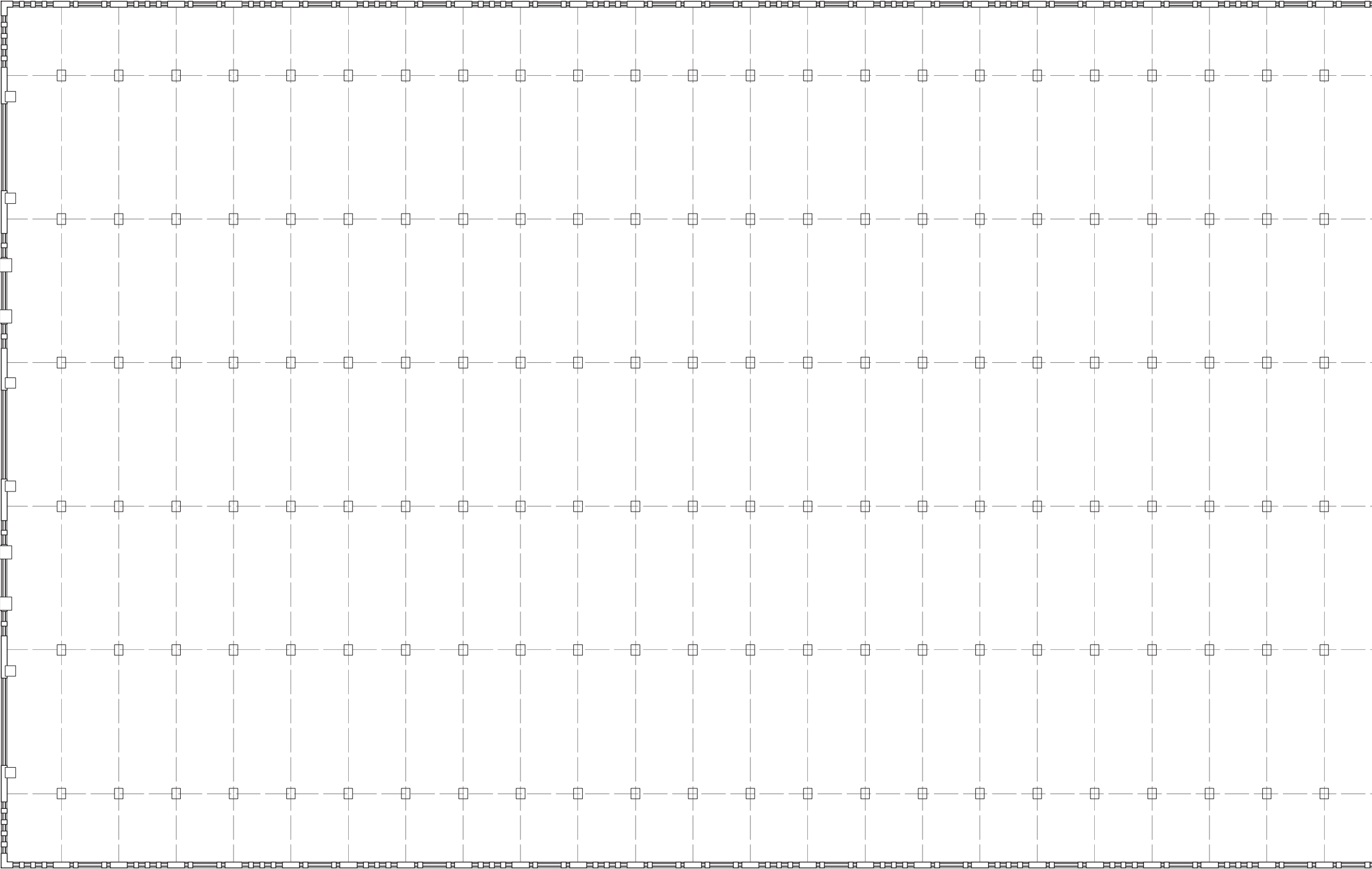
Location: Detroit, Michigan, USA

Floor area: 6'000 m²

Number of floors: 4

Structure: Kahncrete, Truscon patented reinforced concrete

Architect: Albert Kahn



Name: River Rouge Building B

Date of completion: 1917

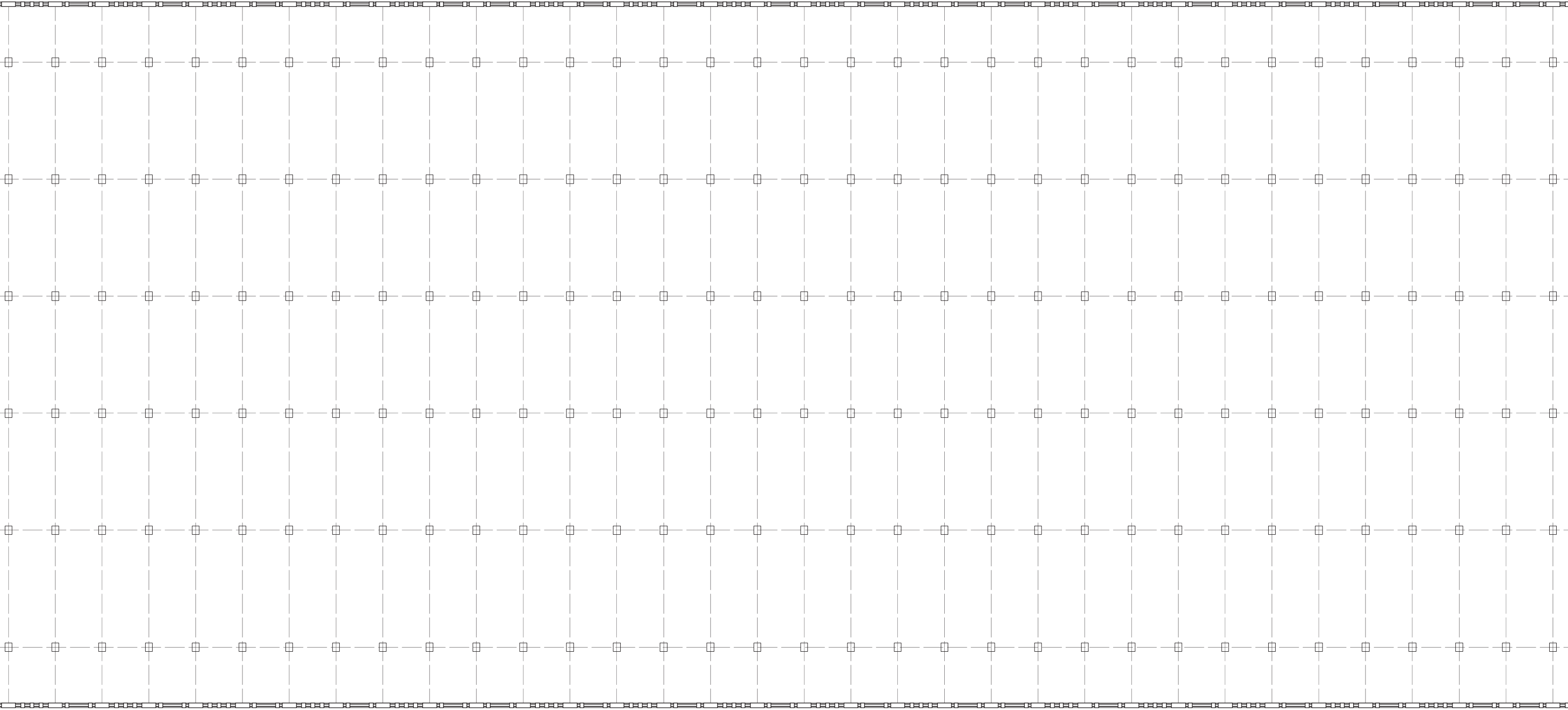
Location: Dearborn, Michigan, USA

Floor area: 50'000 m²

Number of floors: 3 or 1

Structure: Steel

Architect: Albert Kahn



Name: River Rouge Building B

Date of completion: 1917

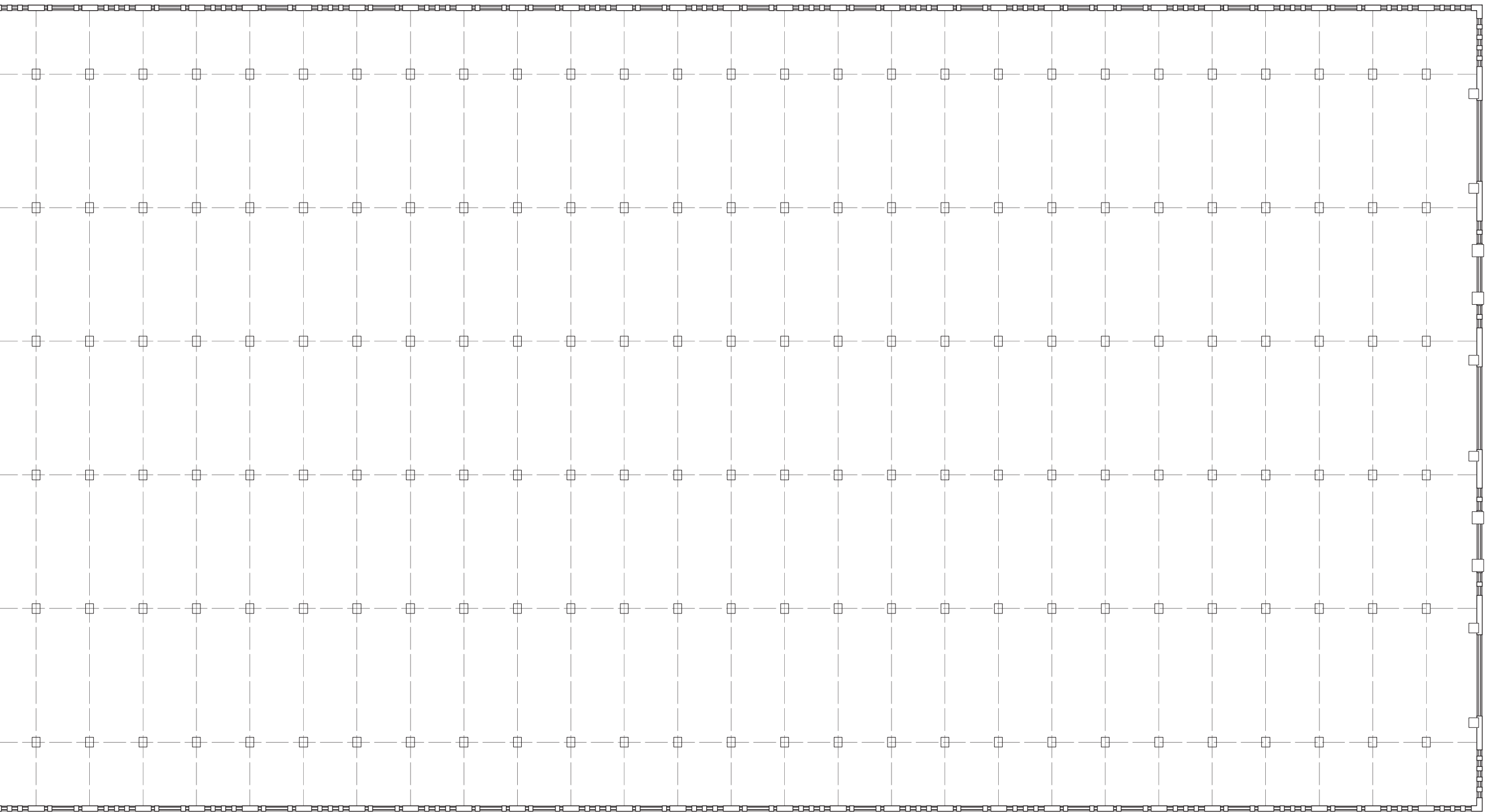
Location: Dearborn, Michigan, USA

Floor area: 50'000 m²

Number of floors: 3 or 1

Structure: Steel

Architect: Albert Kahn



Name: River Rouge Building B

Date of completion: 1917

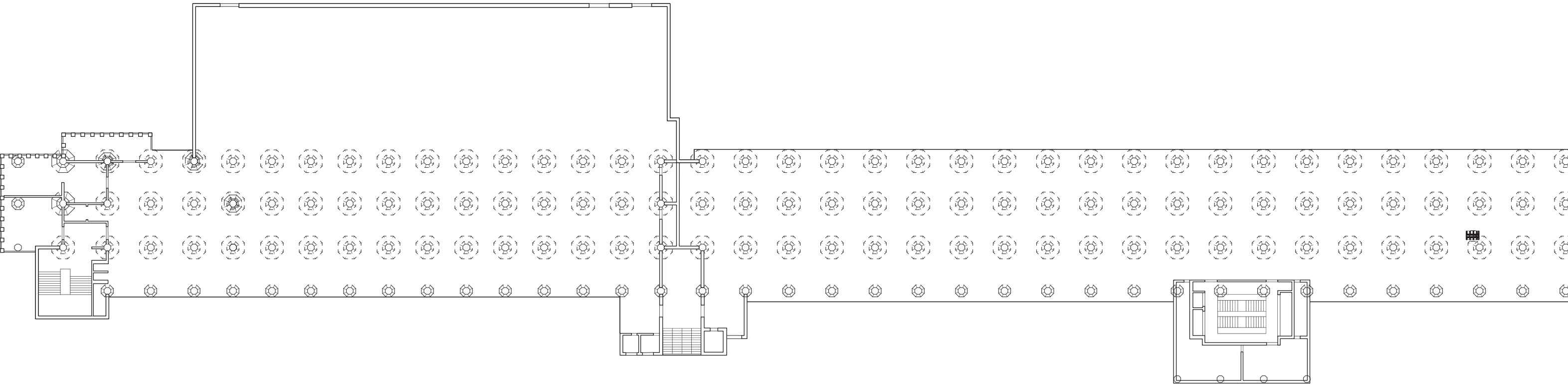
Location: Dearborn, Michigan, USA

Floor area: 50'000 m²

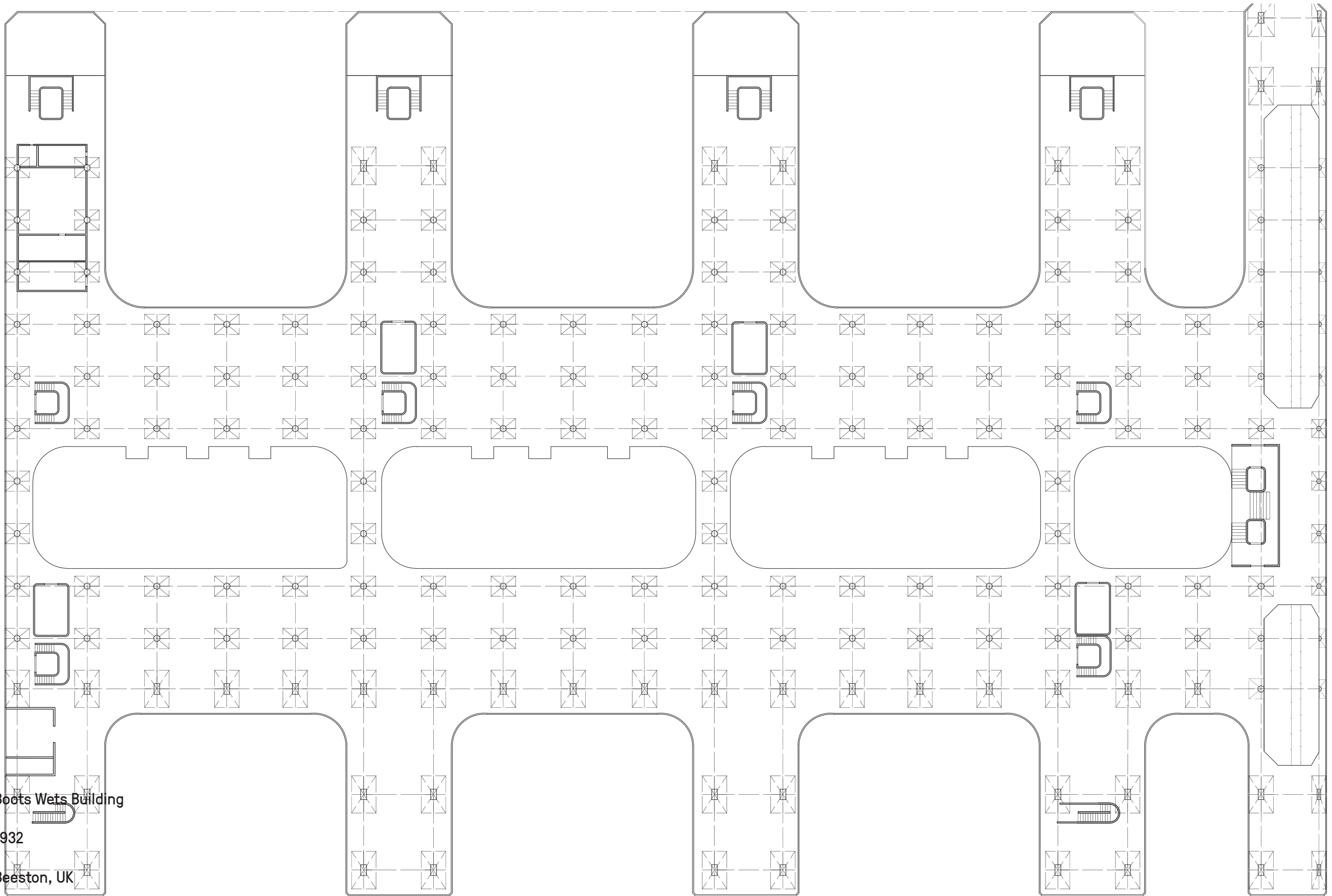
Number of floors: 3 or 1

Structure: Steel

Architect: Albert Kahn



Name:	Van Nelle Factory
Date of completion:	1931
Location:	Rotterdam, Netherlands
Floor area:	6'000 m²
Number of floors:	8 for the tobacco building 6 for the coffee building 3 for the tea building
Structure:	Concrete mushroom columns
Architect:	Brinkman & Van der Vlugt



Name: Boots Wets Building

Date of completion: 1932

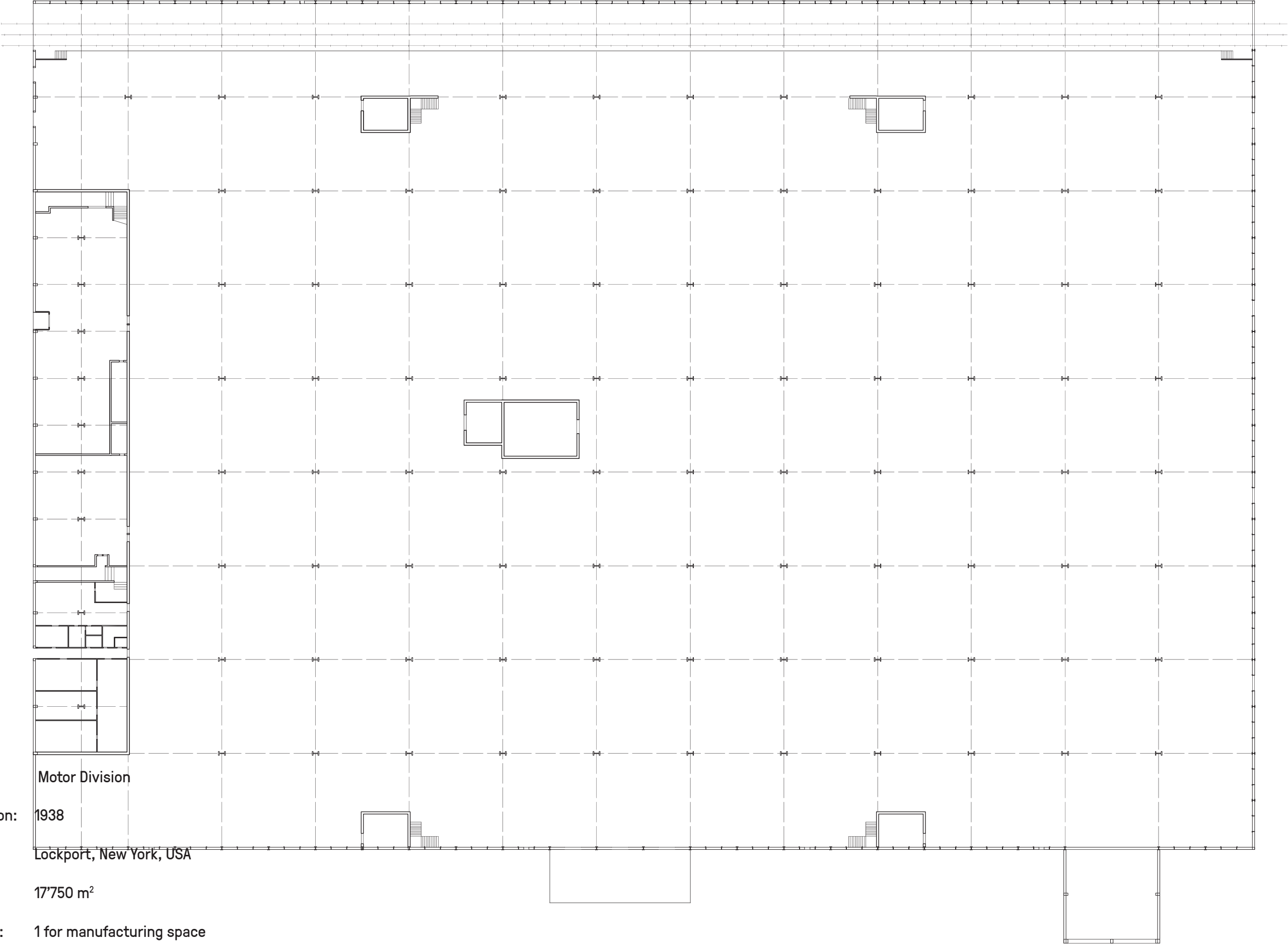
Location: Beeston, UK

Floor area: Ground Floor 19'500 m²
Upper Floors 10'500 m²

Number of floors: 4

Structure: Concrete Mushroom columns

Architect: Owen Williams



Name: Motor Division

Date of completion: 1938

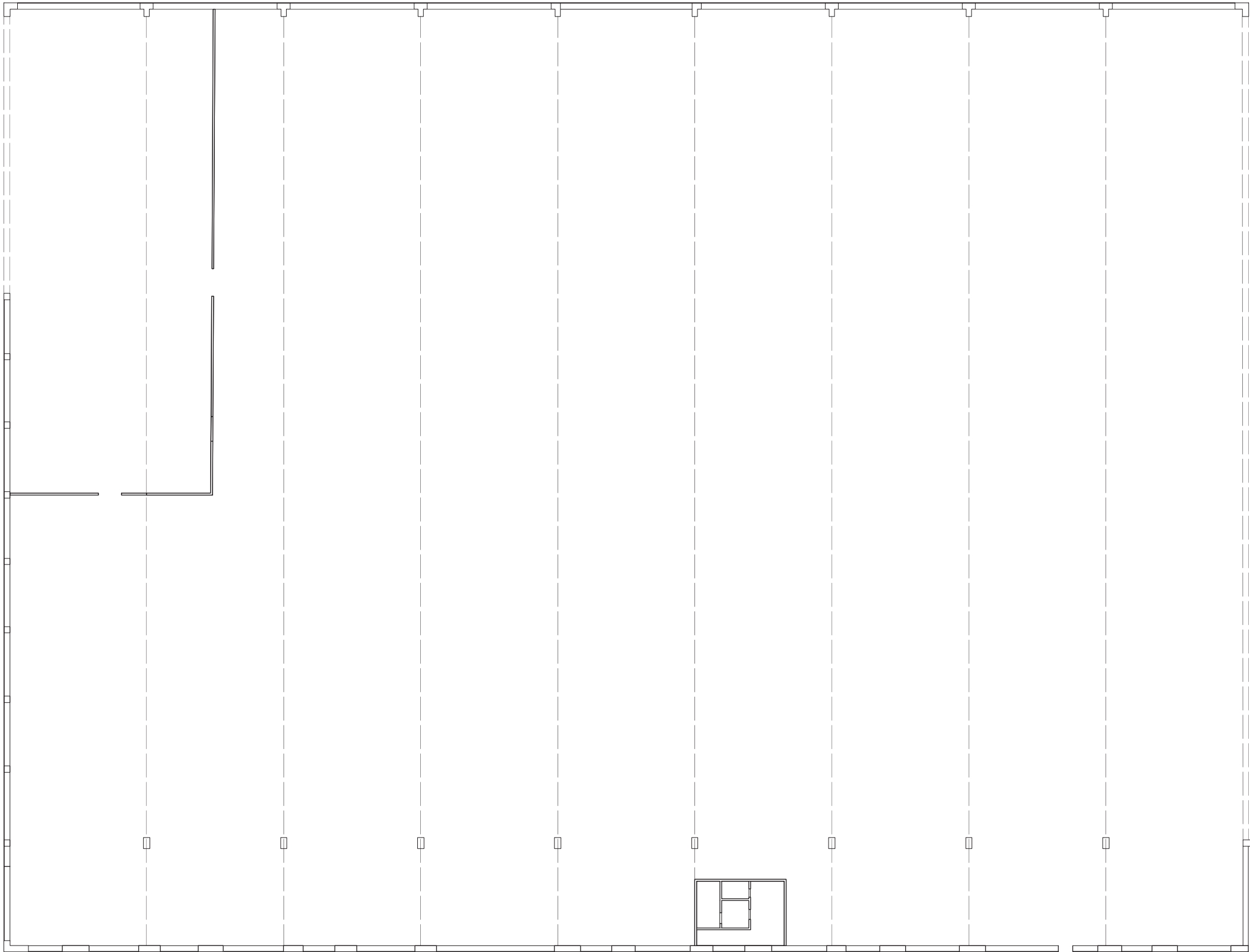
Location: Lockport, New York, USA

Floor area: 17'750 m²

Number of floors: 1 for manufacturing space
2 for office space

Structure: Steel H-beams and trusses

Architect: Albert Kahn



Name: Glenn R. Martin Assembly Building

Date of completion: 1938

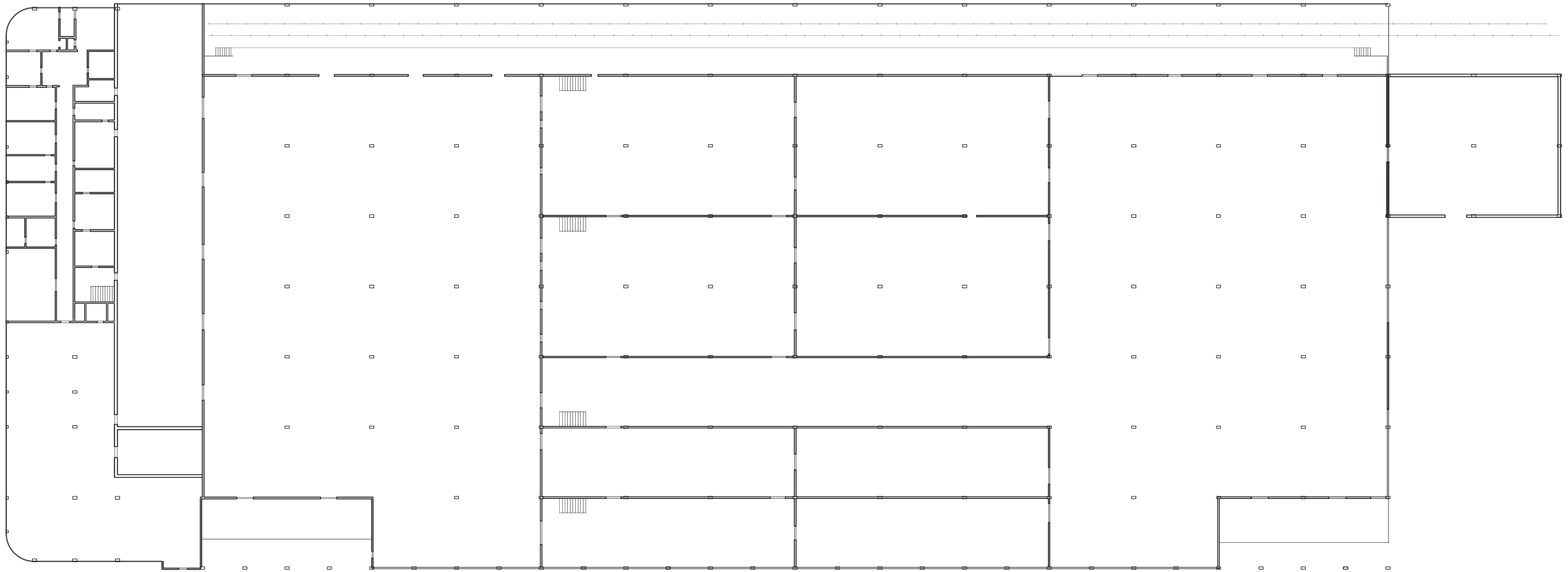
Location: Baltimore, Maryland, USA

Floor area: 14'500 m²

Number of floors: 1

Structure: Steel bridge construction methods for huge span with steel columns and trusses

Architect: Albert Kahn



Name: Lady Esther Factory

Date of completion: 1938

Location: Clearing, Illinois, USA

Floor area: 9'000 m²

Number of floors: 1

Structure: Steel columns

Architect: Albert Kahn

