

# **CONSTRUCTION CYCLES**

**ANALYSIS  
REITERATION  
INNOVATION**

**STUDIO JMA FRIBOURG  
GUAITA & BAUR  
SPRING SEMESTER 2020**



Construction Cycles Studio  
Joint Master of Architecture  
HEIA Fribourg

invited professors  
Patricia Guaita & Raffael Baur

students

Parisa Akasereh, Jonathan Bellon  
Jérôme Brandt, Dimitri De Gavre  
Dylan Dos Santos, Rime Elhanafi  
Jérémie Fernandez, Timothé Jaberg  
Cristian Lopez Sesto, Nathan Martinez  
Ugo Masnada, Angelica Munteanu  
Justine Rosset, Arthur Vivet

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Charles Riedo

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Raffael Baur, Patricia Guaita,  
Timothé Jaberg, Ugo Masnada

design

Timothé Jaberg, Ugo Masnada

## CONSTRUCTION CYCLES JMA-FR SP20 SMART BUILDING

Patricia Guaita is Invited Professor at the JMA HEIA Fribourg, Switzerland. She is teaching at the EPFL Lausanne since 2009, where she is currently co-leading an interdisciplinary research project on textile reinforced concrete construction in collaboration with the FAUFBA in Salvador de Bahia, Brazil. Since 2013, she is the director of the Open City Research Platform EPFL at the Open City in Valparaiso, Chile. She is co-editor of Building Cultures Valparaiso (Routledge/EPFL Press). Since 2018, she is doing a PhD at the CEU in Madrid, Spain. She studied in Madrid and Venice and received her architecture degree from the ETSAM in Madrid, in 1997.

Raffael Baur is Invited Professor at the JMA HEIA Fribourg, Switzerland. From 2010-19 he was teaching at EPFL Lausanne in the lab ALICE. Currently he is co-leading an interdisciplinary research on textile reinforced concrete construction in collaboration with the FAUFBA in Salvador de Bahia. He co-initiated and teaches the Open City Research Platform at the Open City in Valparaiso. Since 2006 he is a partner at UNDEND Architektur AG in Zürich, where he worked parallel to his studies since 1997. He received a M.Arch from the ETH Zürich in 2005 and a B.Arch from the Cooper Union, New York, in 2003.

## CONSTRUCTION CYCLES ANALYSIS - REITERATION - INNOVATION

The design studio *Construction Cycles* is conceived as a series that build up a research about the foundations of architectural construction with the aim to place a cyclical conception of construction at the outset of the design process. We will start by analysing a key moment of the history of construction (in 2020 selected projects by Jean Prouvé) and will explore its potential to incorporate alteration and future transformations. The basis of our investigation will be a direct testing of material and fabrication limits and a rethinking of the processes of production and use as of a cyclical nature. In a world immersed in a crisis of physical production, we search for other forms of building the world and explore new formats of learning which retain, through experience, the humanist nature of architecture.

L'atelier *Construction Cycles* est conçu comme une série qui développe une recherche sur les fondements de la construction architecturale avec le but de placer une conception cyclique à l'origine du processus de création. Nous commencerons par analyser un moment clé de l'histoire de la construction (2020 des projets de Jean Prouvé) que nous explorerons en relation à son potentiel d'incorporer des altérations et des transformations futures. La base de notre investigation sera une démarche d'essais qui explorera les limites d'un matériau et de sa mise en œuvre, en considérant les processus de production et d'utilisation comme des conceptions cycliques. Dans un monde en crise avec sa production physique, nous recherchons des formes alternatives pour construire le monde et explorons de nouvelles formes d'apprentissage qui gardent, à travers l'expérience, la nature humaniste de l'architecture.

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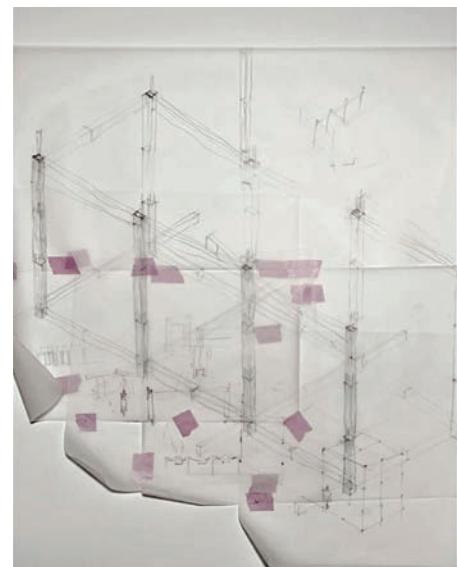
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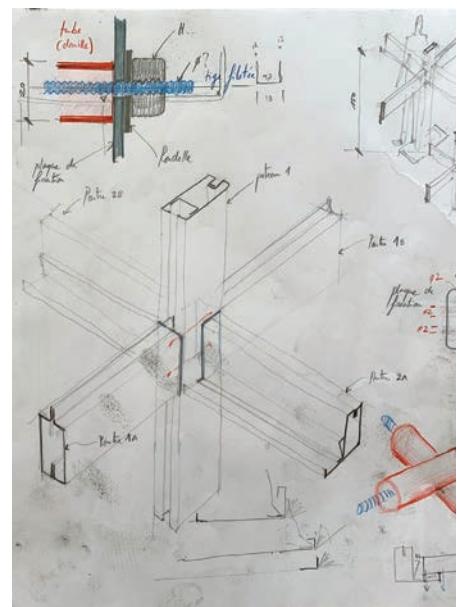
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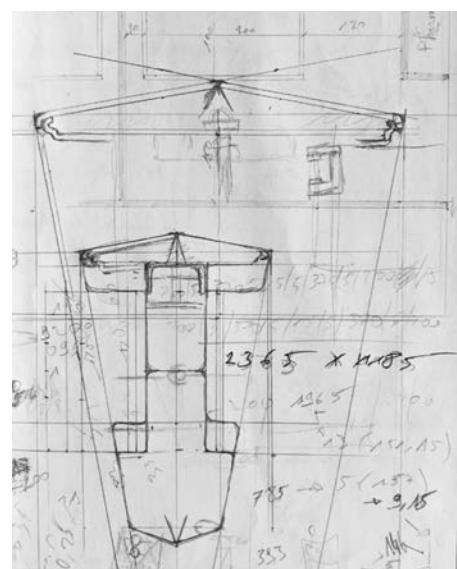
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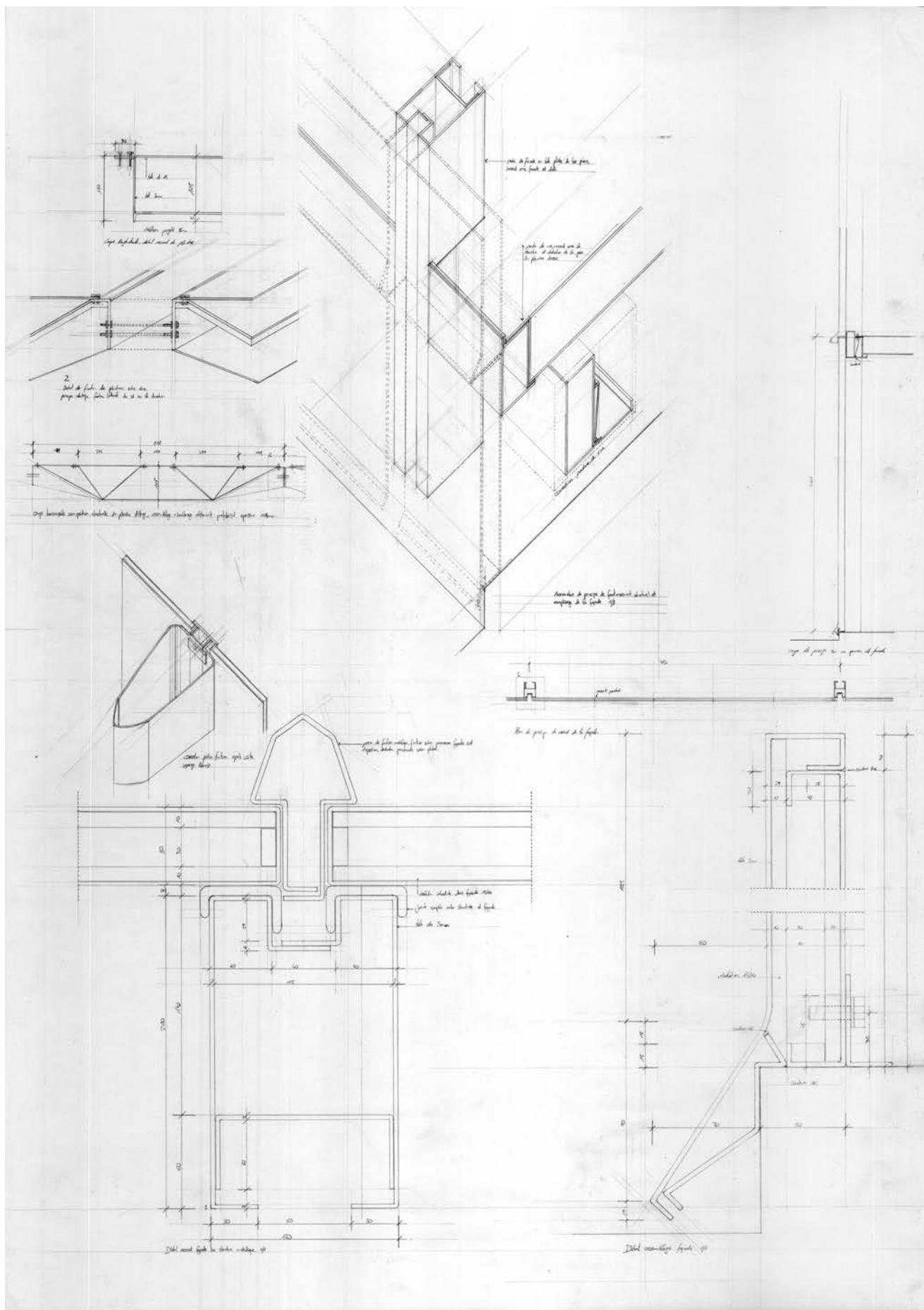
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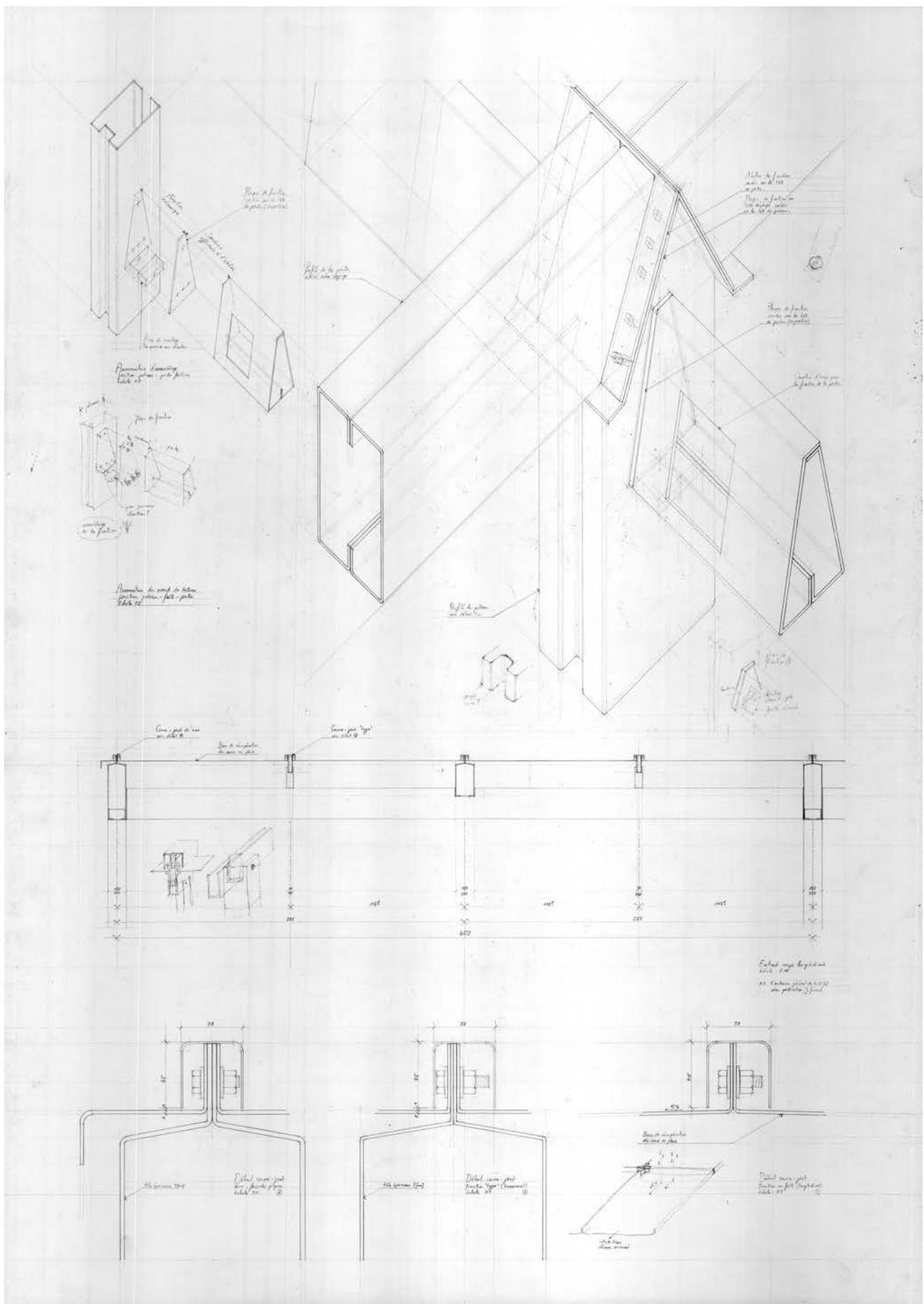
# AÉRO-CLUB ROLAND GARROS, BUC, 1935-36



Aéro-Club Roland Garros - Jean Prouvé  
prototype of structure, Dylan Dos Santos, Jérémie Fernandez, Timothé Jaberg  
Halle Bleue, Fribourg



Aéro-Club Roland Garros - Jean Prouvé  
analytical drawing, Dylan Dos Santos

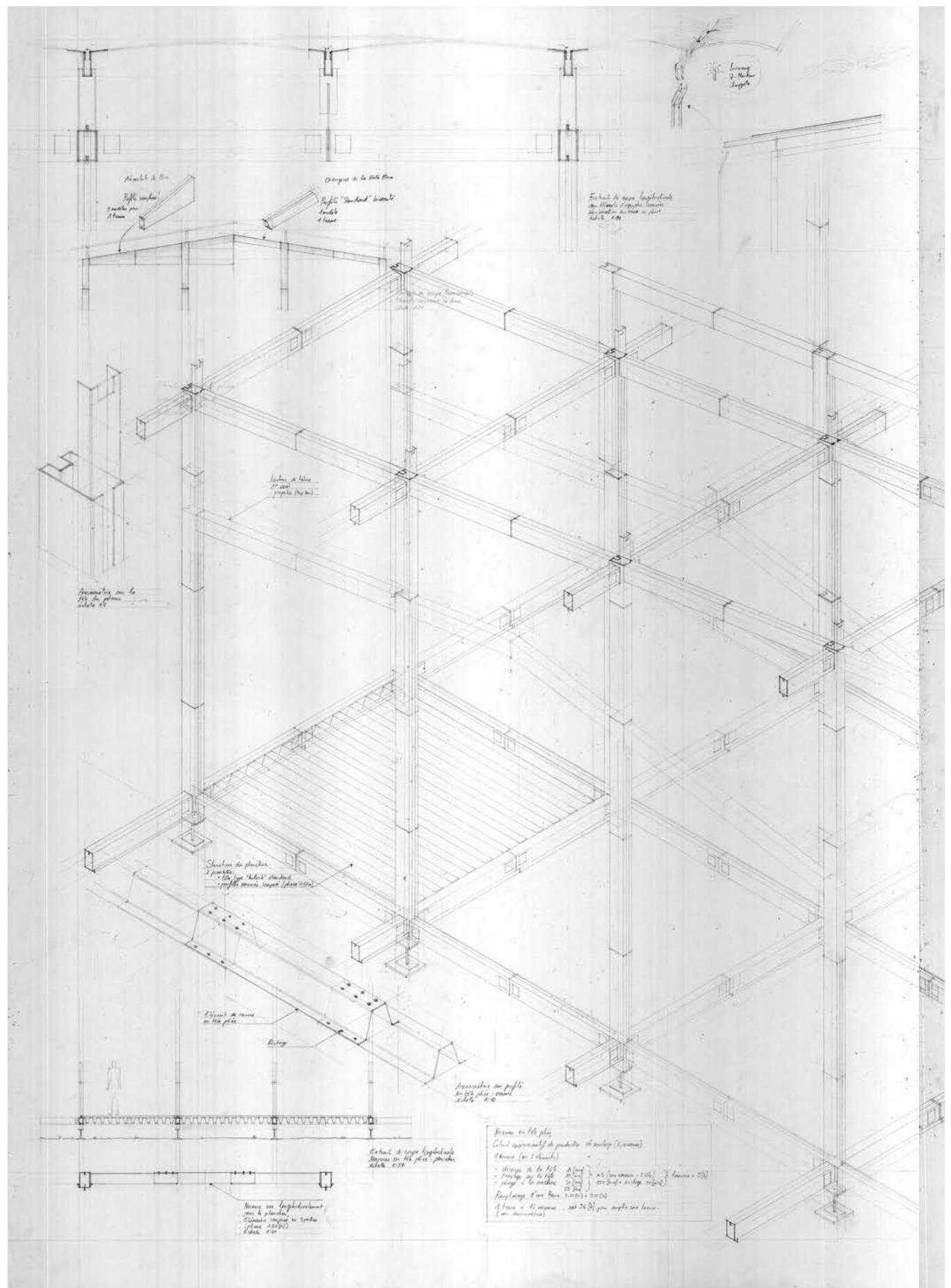


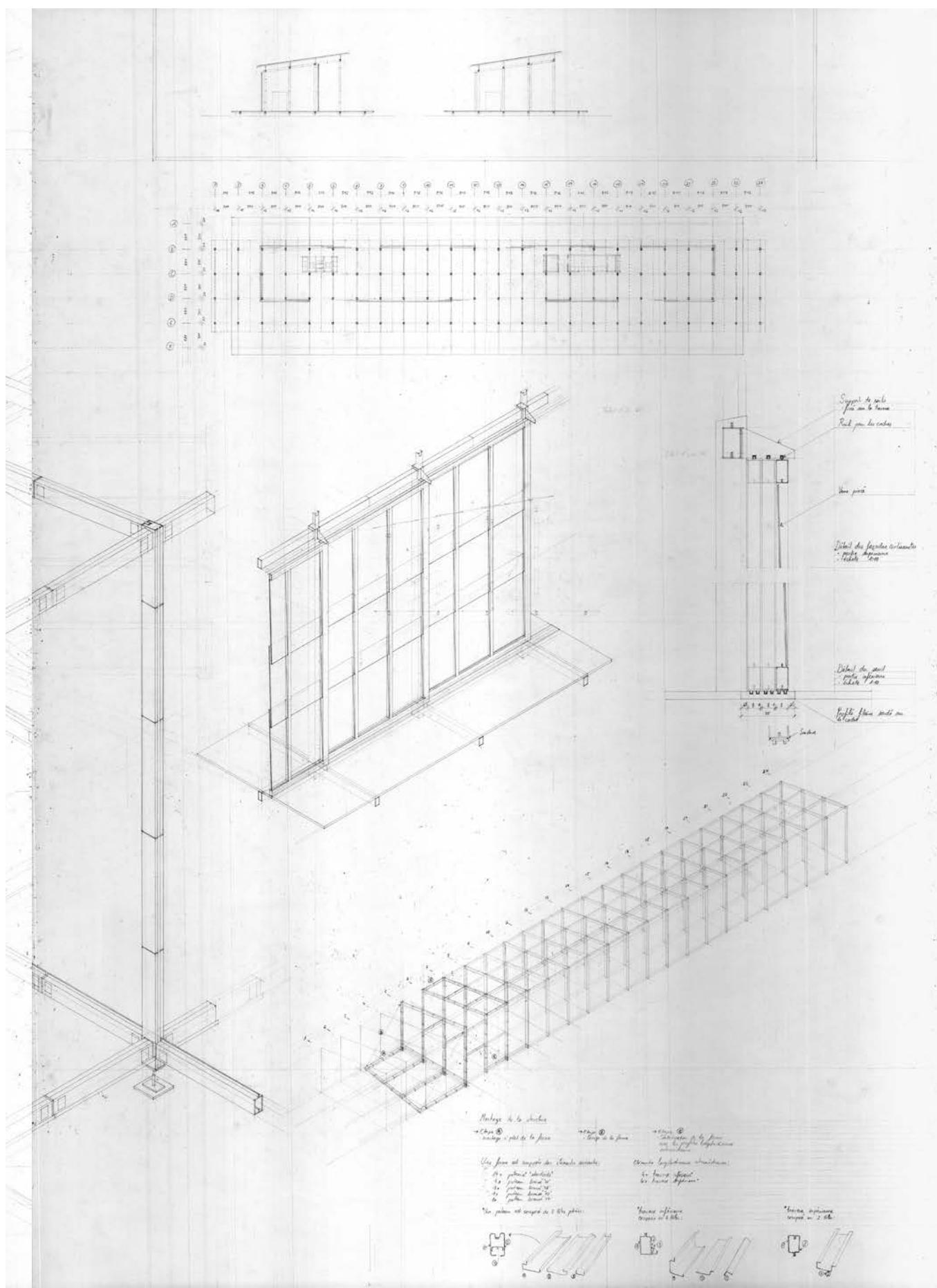
Aéro-Club Roland Garros - Jean Prouvé  
analytical drawing, Jérémie Fernandez

Aéro-Club Roland Garros - Jean Prouvé  
analytical drawing, Timothé Jaberg



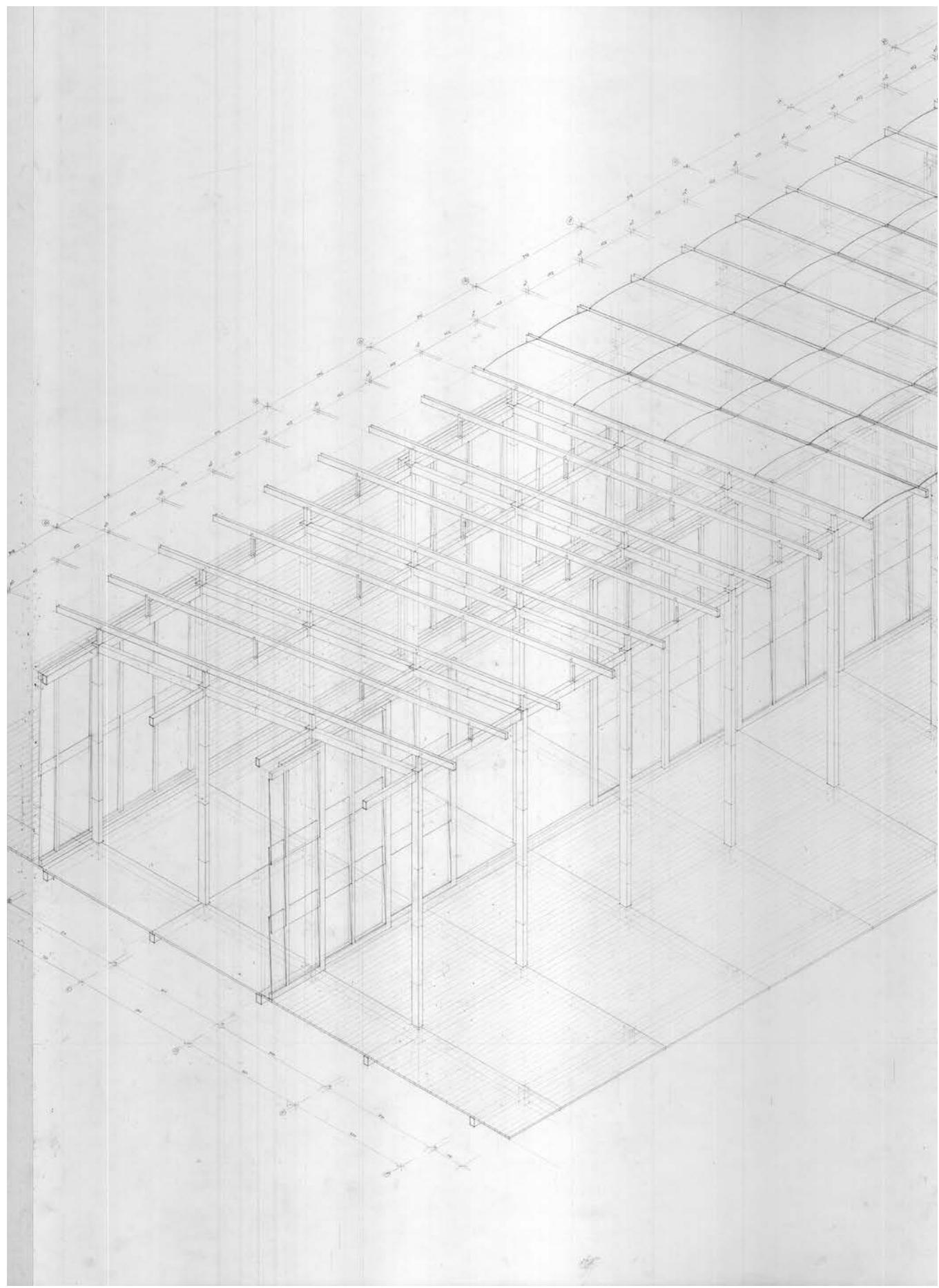
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Halle Bleue, Fribourg



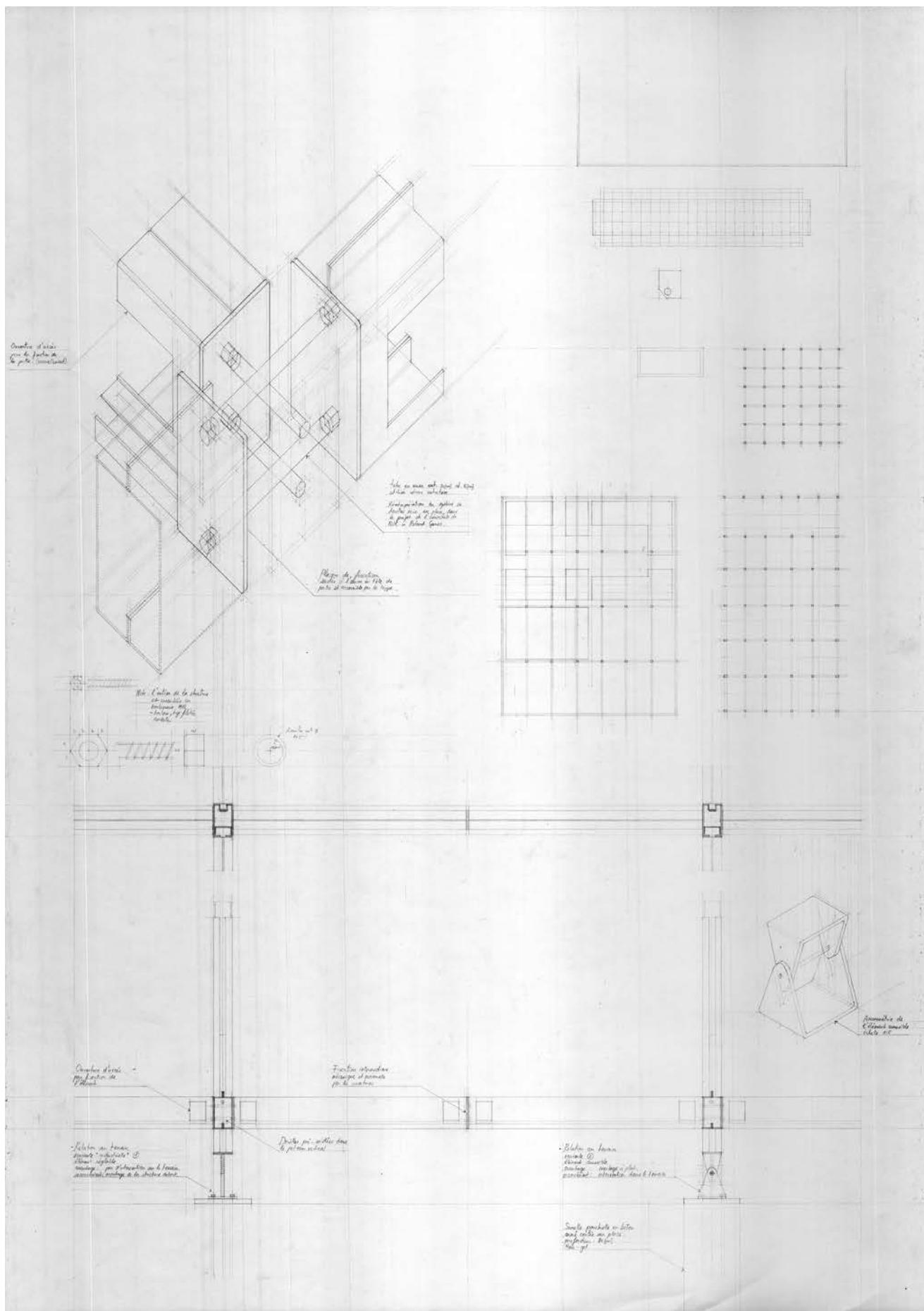


Orangerie - Jérémie Fernandez  
project drawing

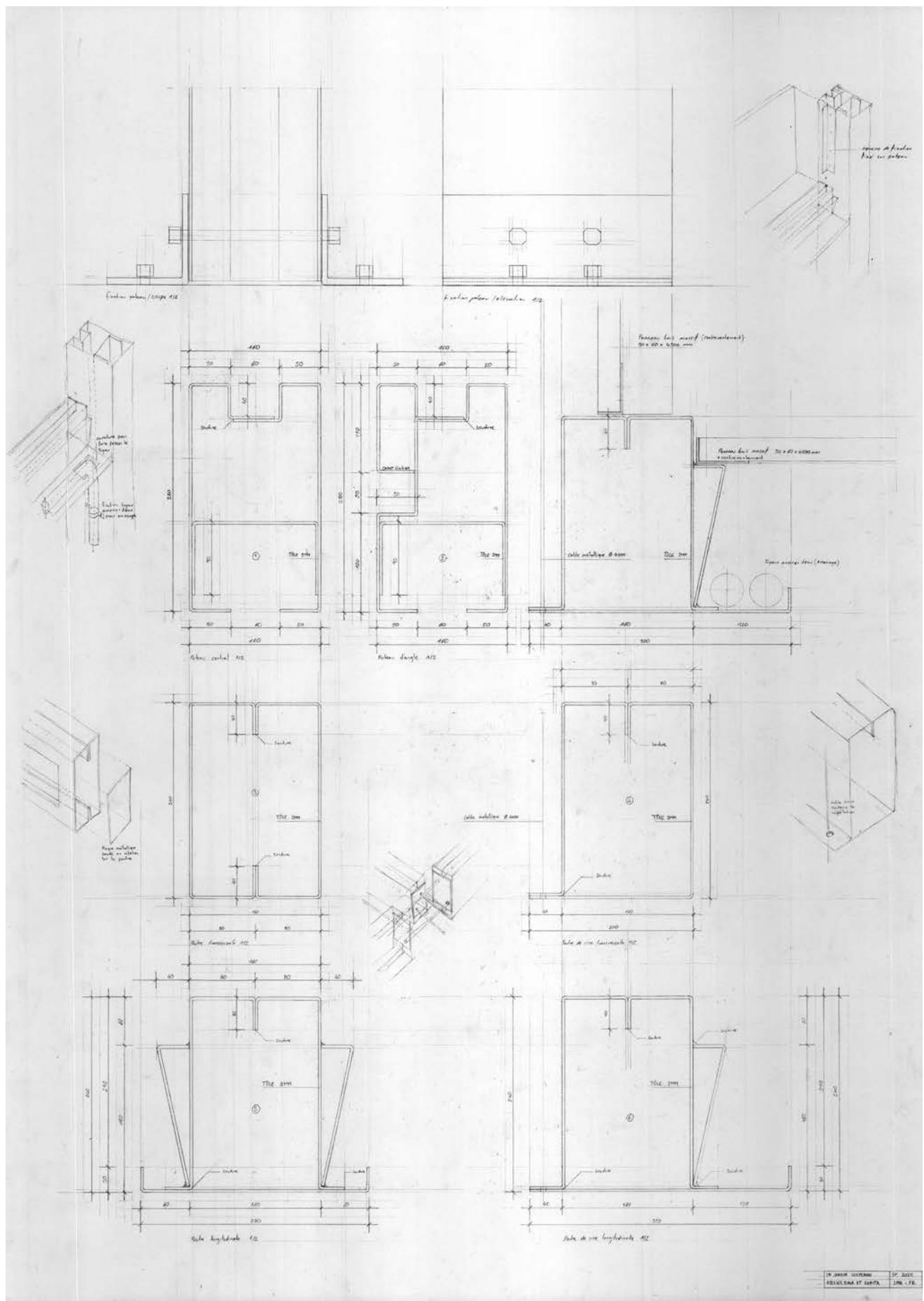




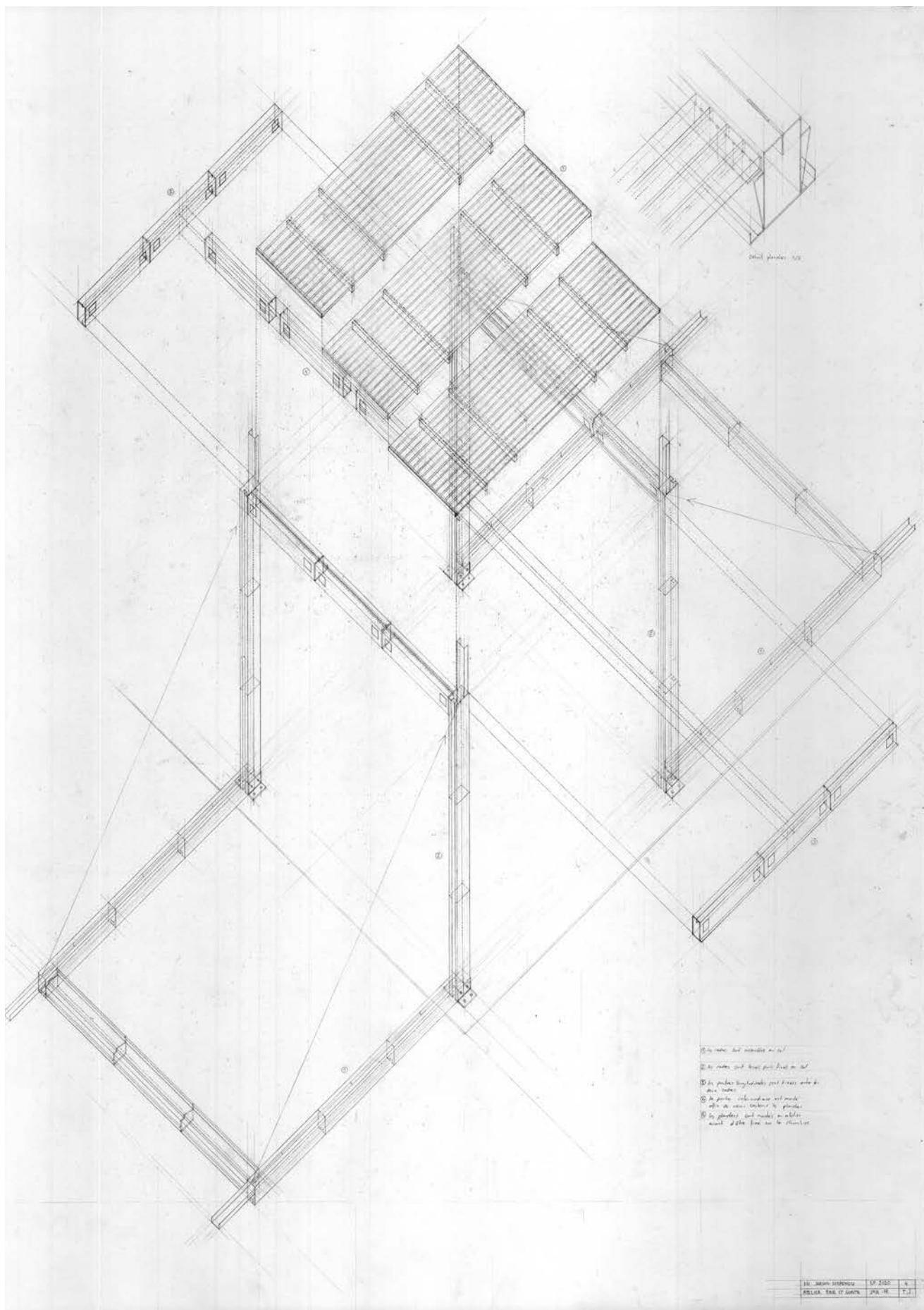
Orangerie - Jérémie Fernandez  
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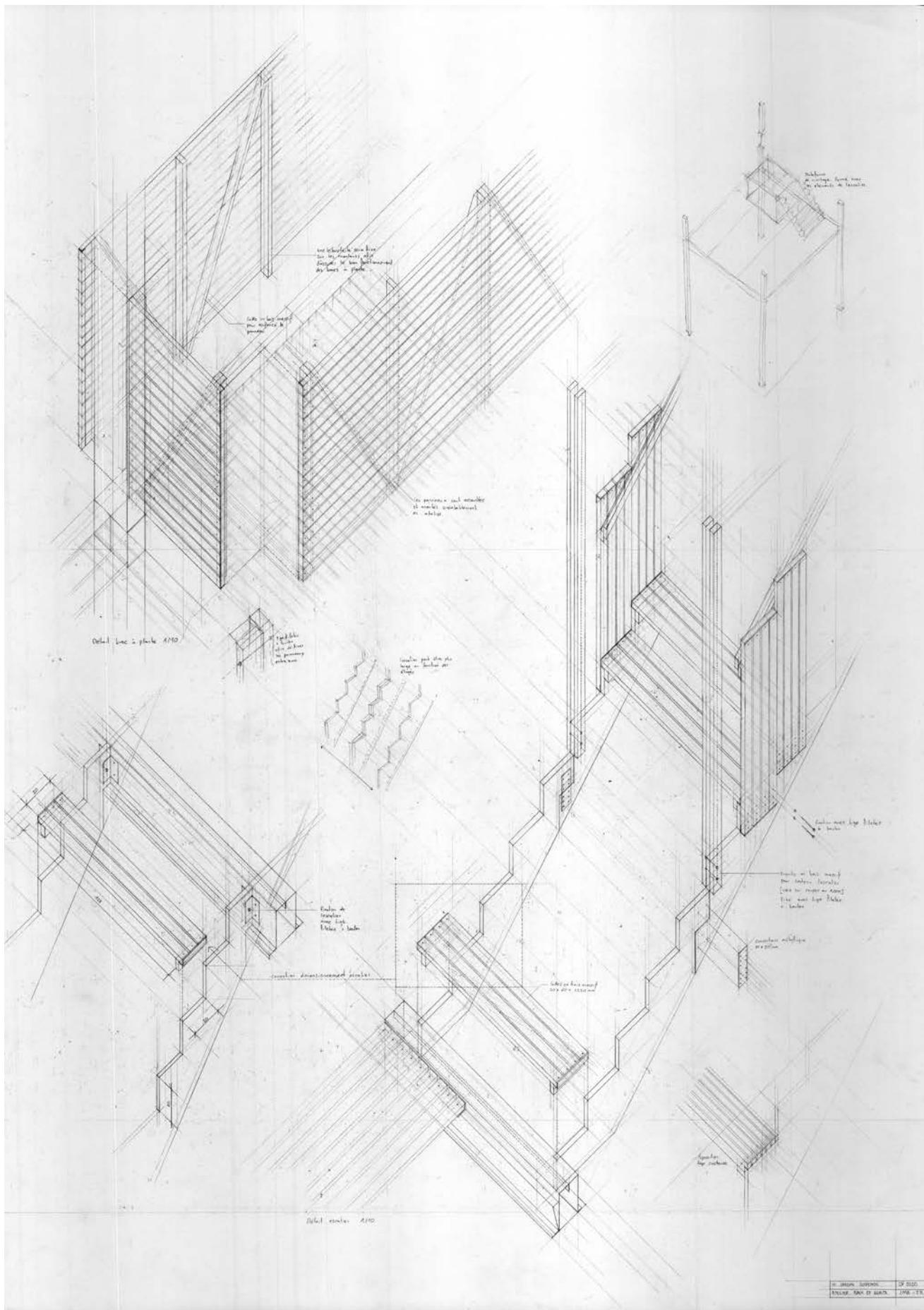
Orangerie - Jérémie Fernandez  
project drawing



*Jardin suspendu* - Timothé Jaberg  
project drawing



Jardin suspendu - Timothé Jaberg  
project drawing

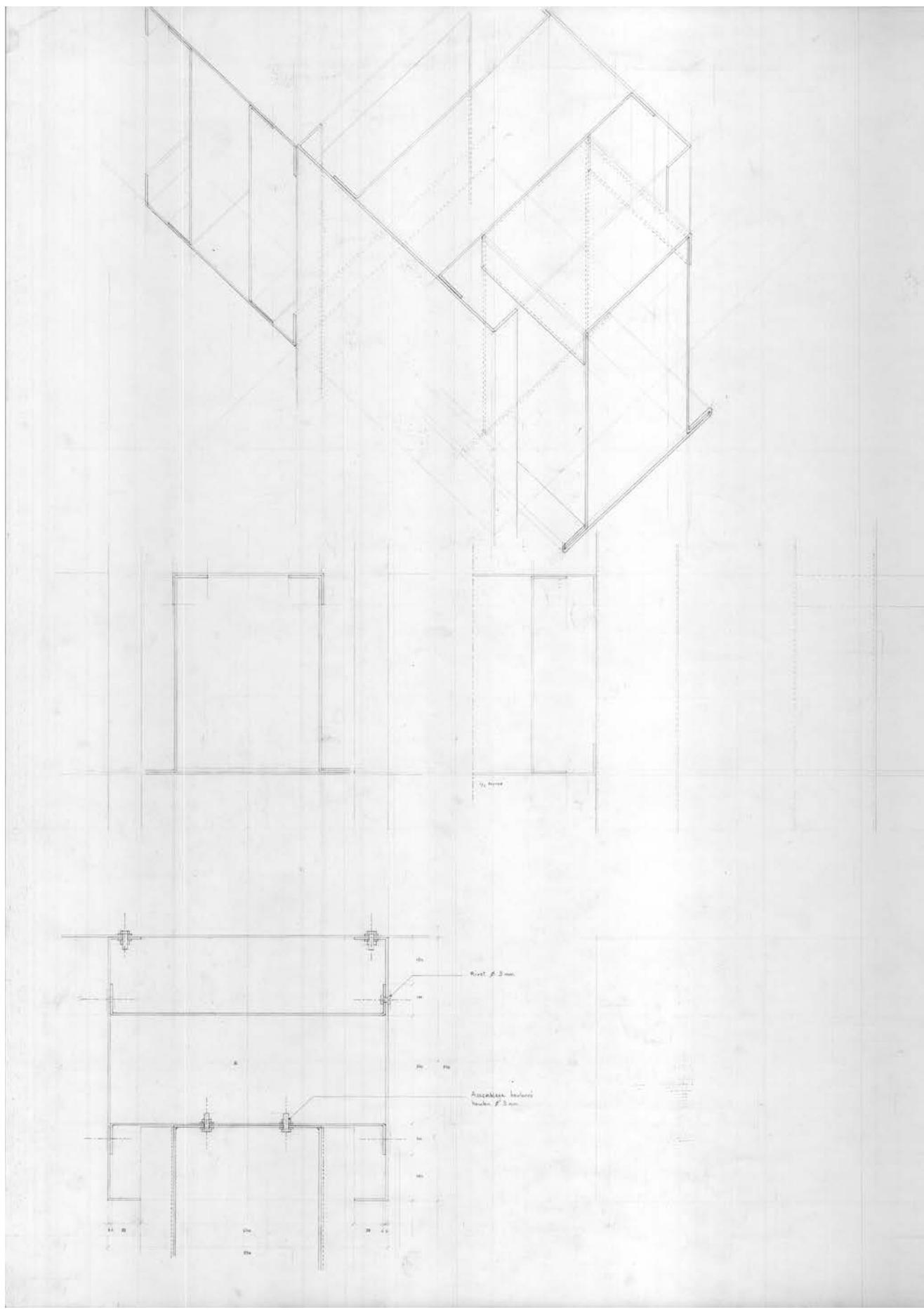


Jardin suspendu - Timothé Jaberg  
project drawing

MAISON DU PEUPLE, CLICHY, 1936-39



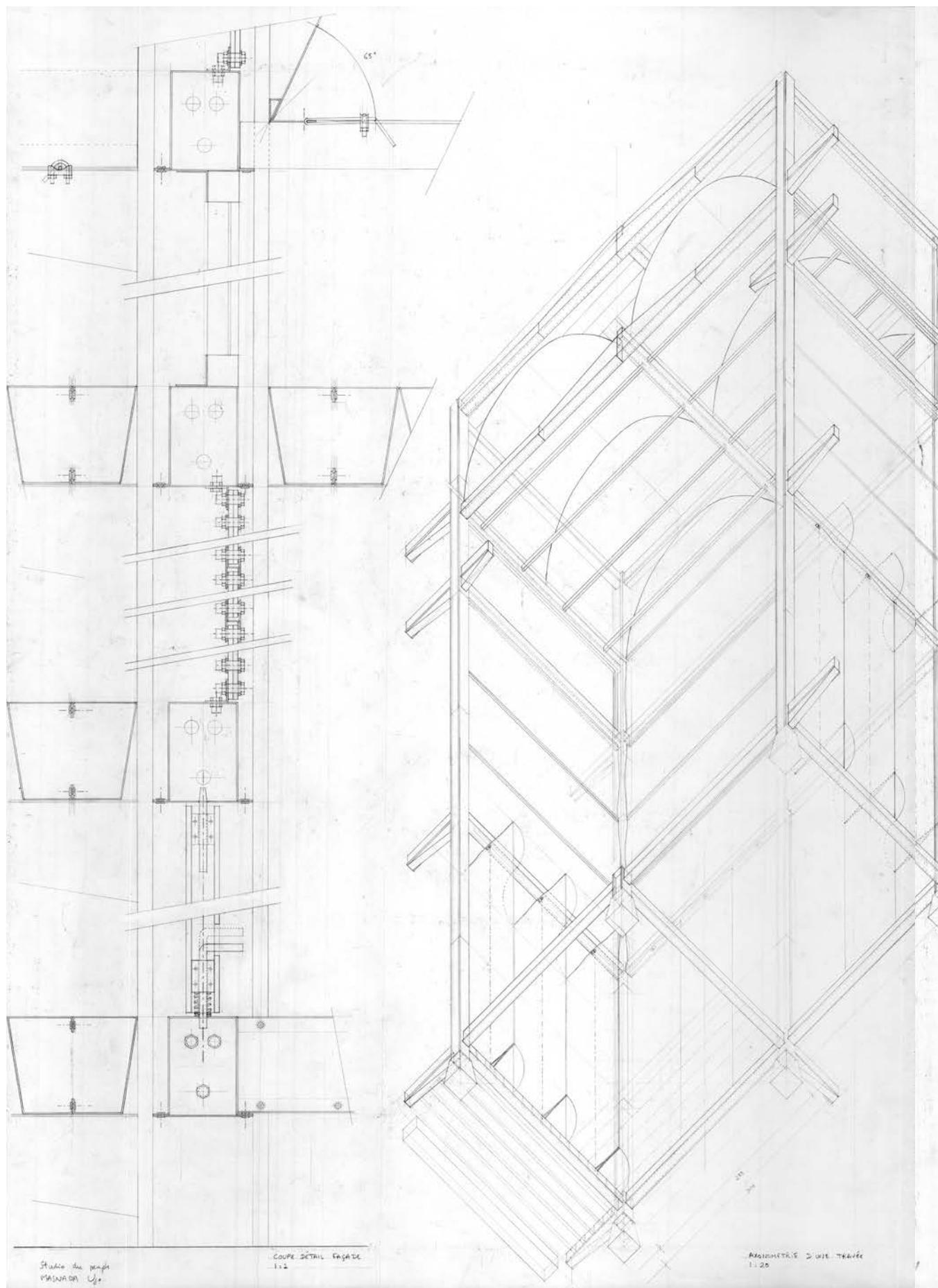
*Maison du Peuple* - Jean Prouvé  
prototype of structure, Parisa Akasereh, Rime Elhanafi, Ugo Masnada  
Halle Bleue, Fribourg

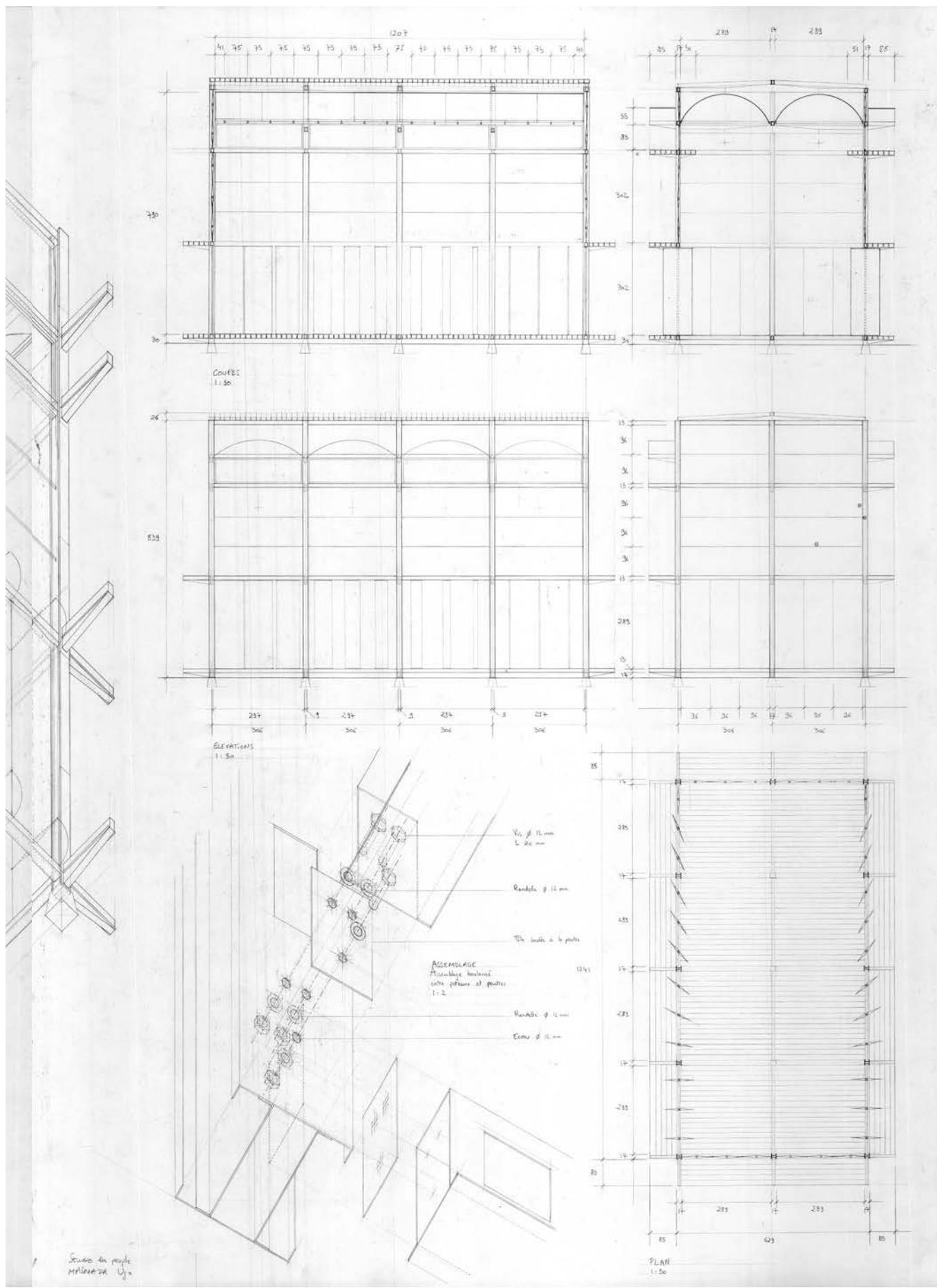


Maison du Peuple - Jean Prouvé  
analytical drawing, Ugo Masnada



*Maison du Peuple - Jean Prouvé*  
prototype of structure, Parisa Akasereh, Rime Elhanafi, Ugo Masnada  
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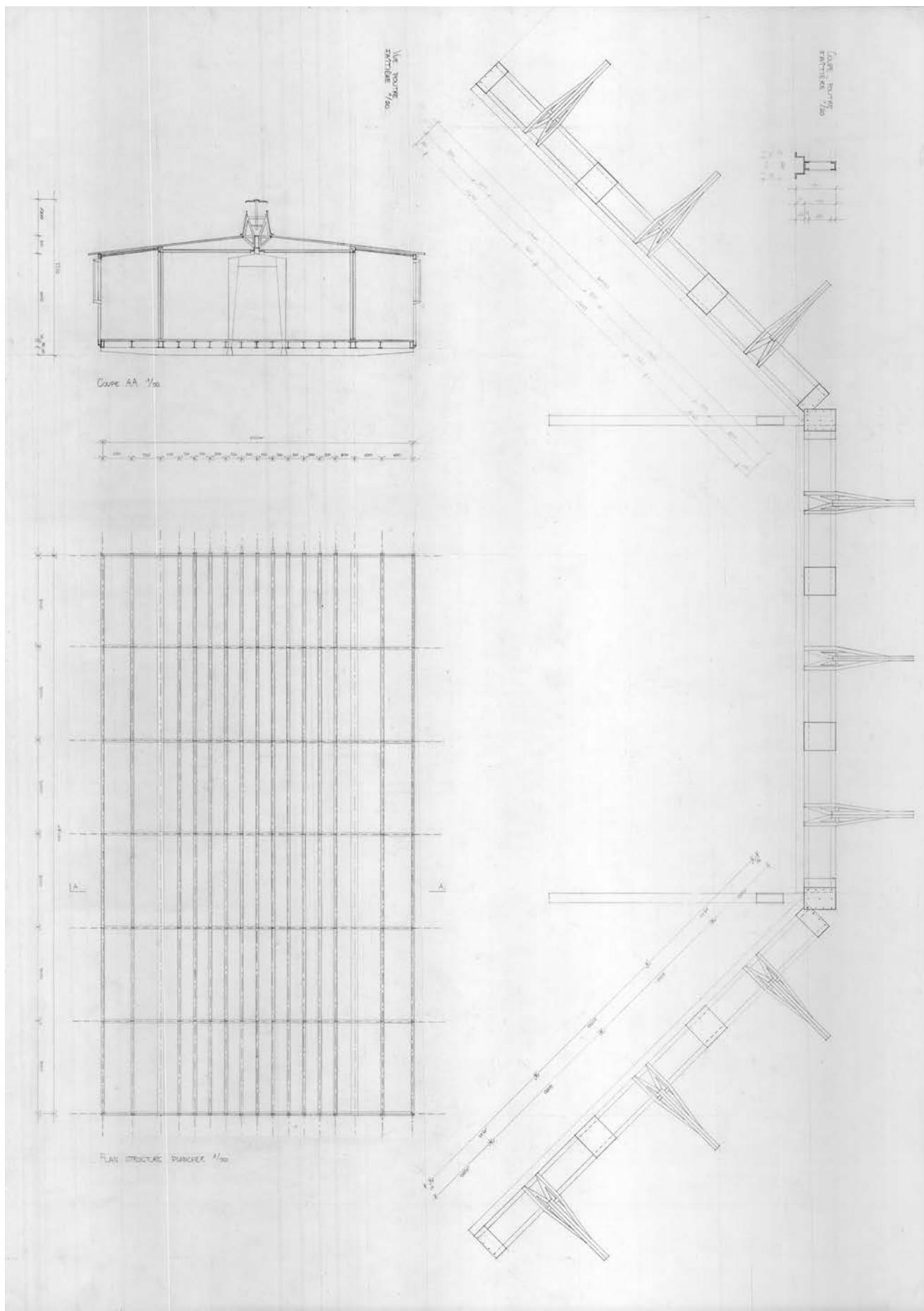


Studio du Peuple - Ugo MASNADA  
project drawing

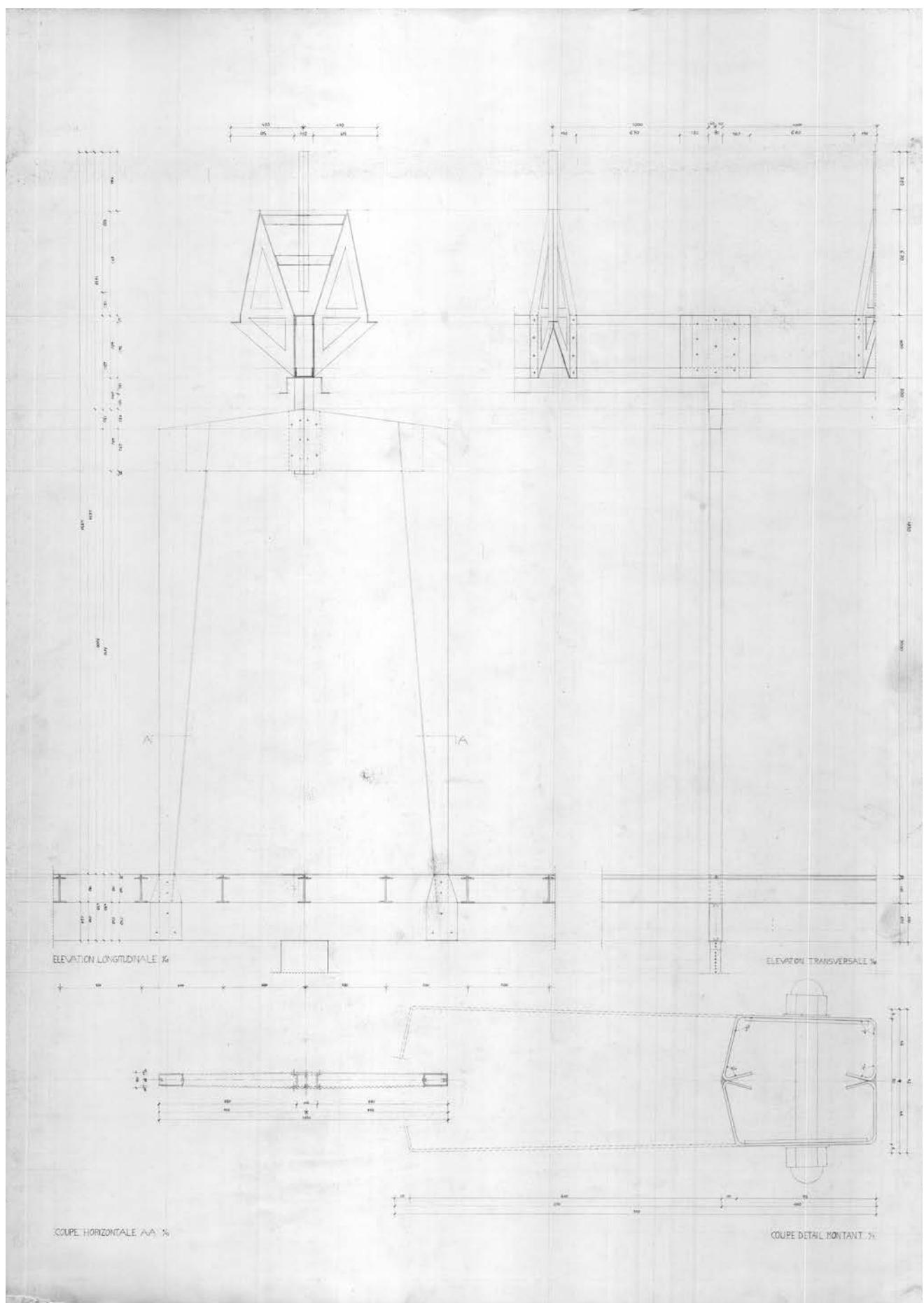
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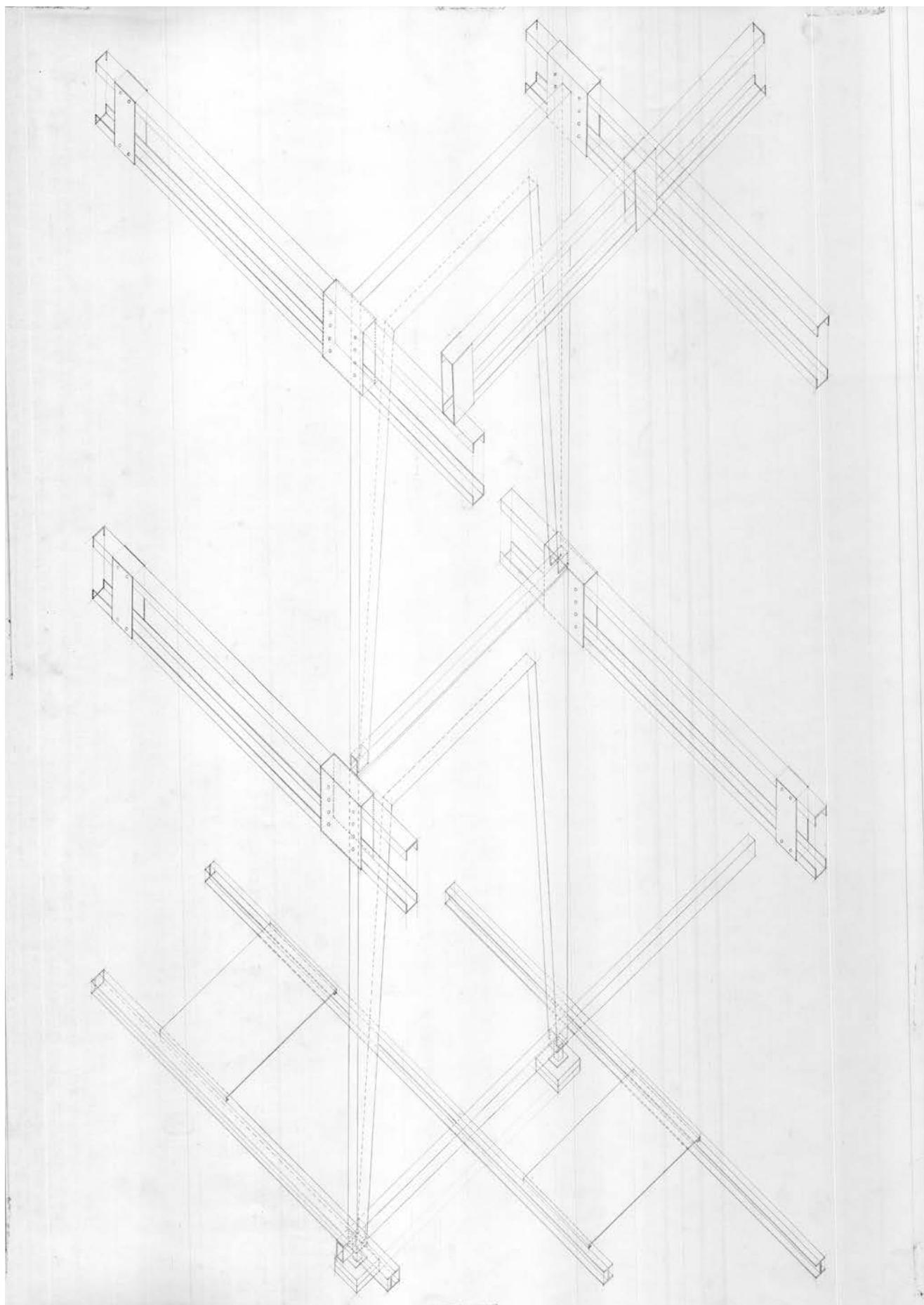
*Maison Tropicale* - Jean Prouvé  
prototype of structure, Jérôme Brandt, Cristian Lopez Sesto, Nathan Martinez  
Halle Bleue, Fribourg



*Maison Tropicale* - Jean Prouvé  
analytical drawing, Cristian Lopez Sesto



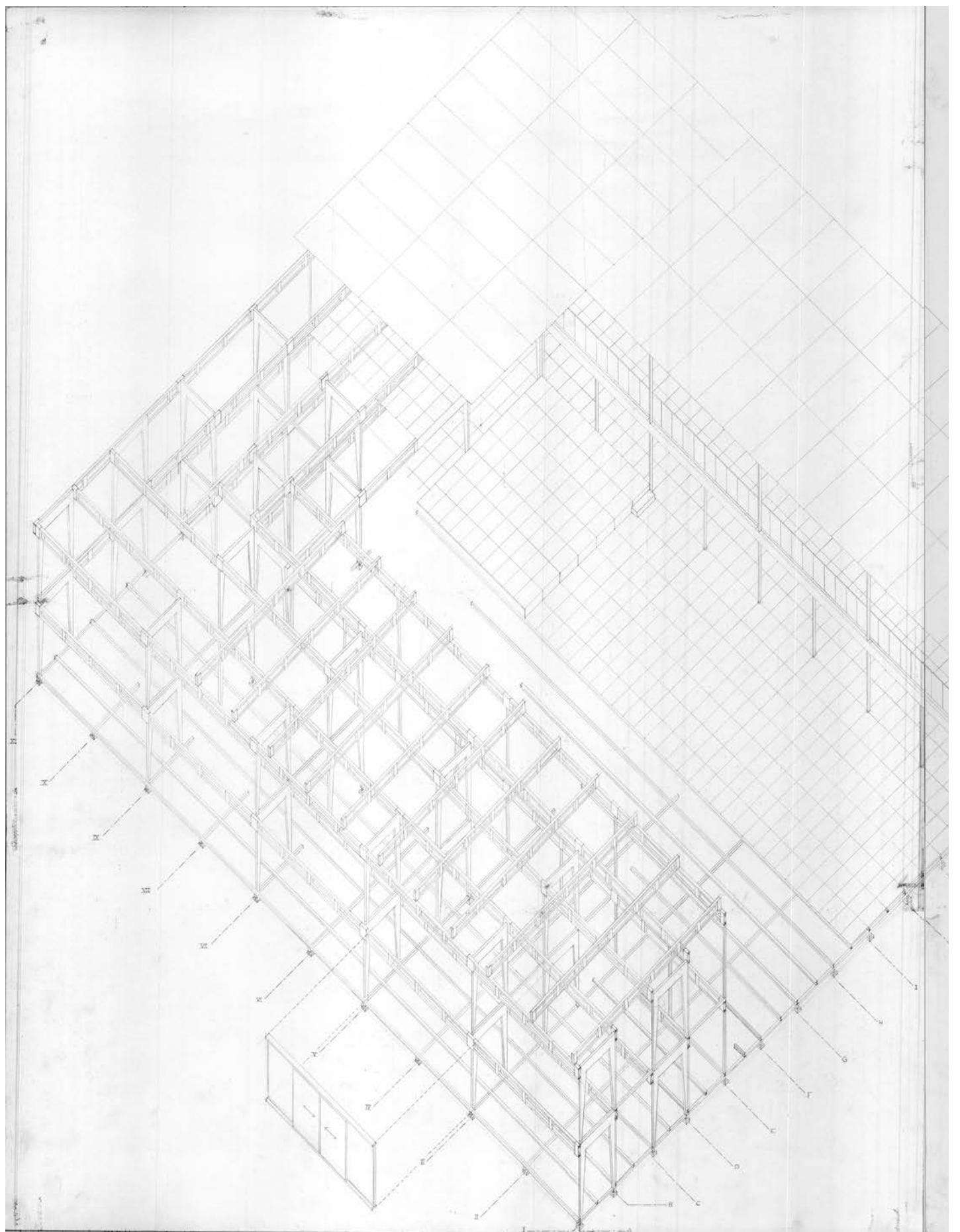
*Maison Tropicale* - Jean Prouvé  
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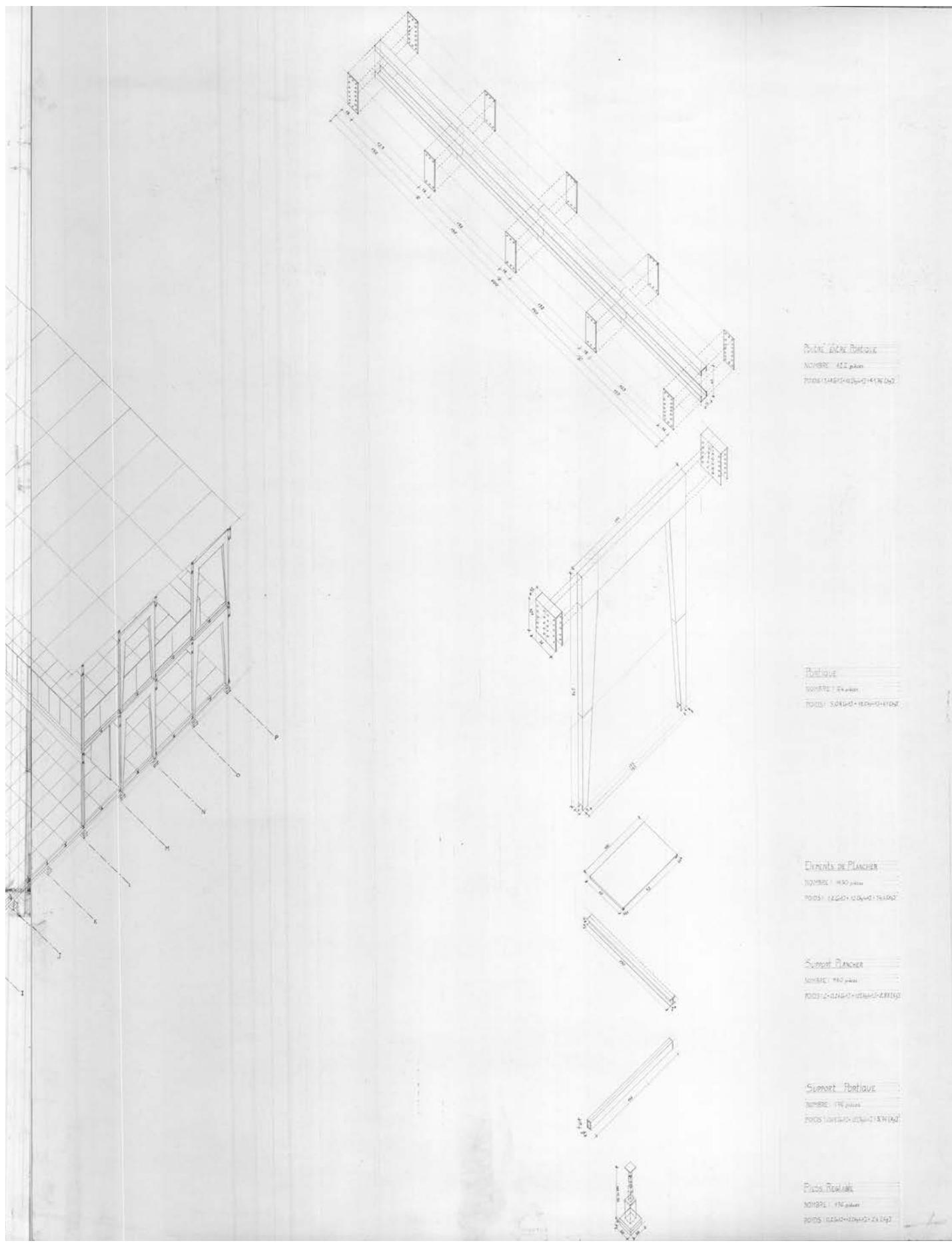


L'Agora - Jérôme Brandt  
project drawing



*Maison Tropicale* - Jean Prouvé  
prototype of structure, Jérôme Brandt, Cristian Lopez Sesto, Nathan Martinez  
Halle Bleue, Fribourg



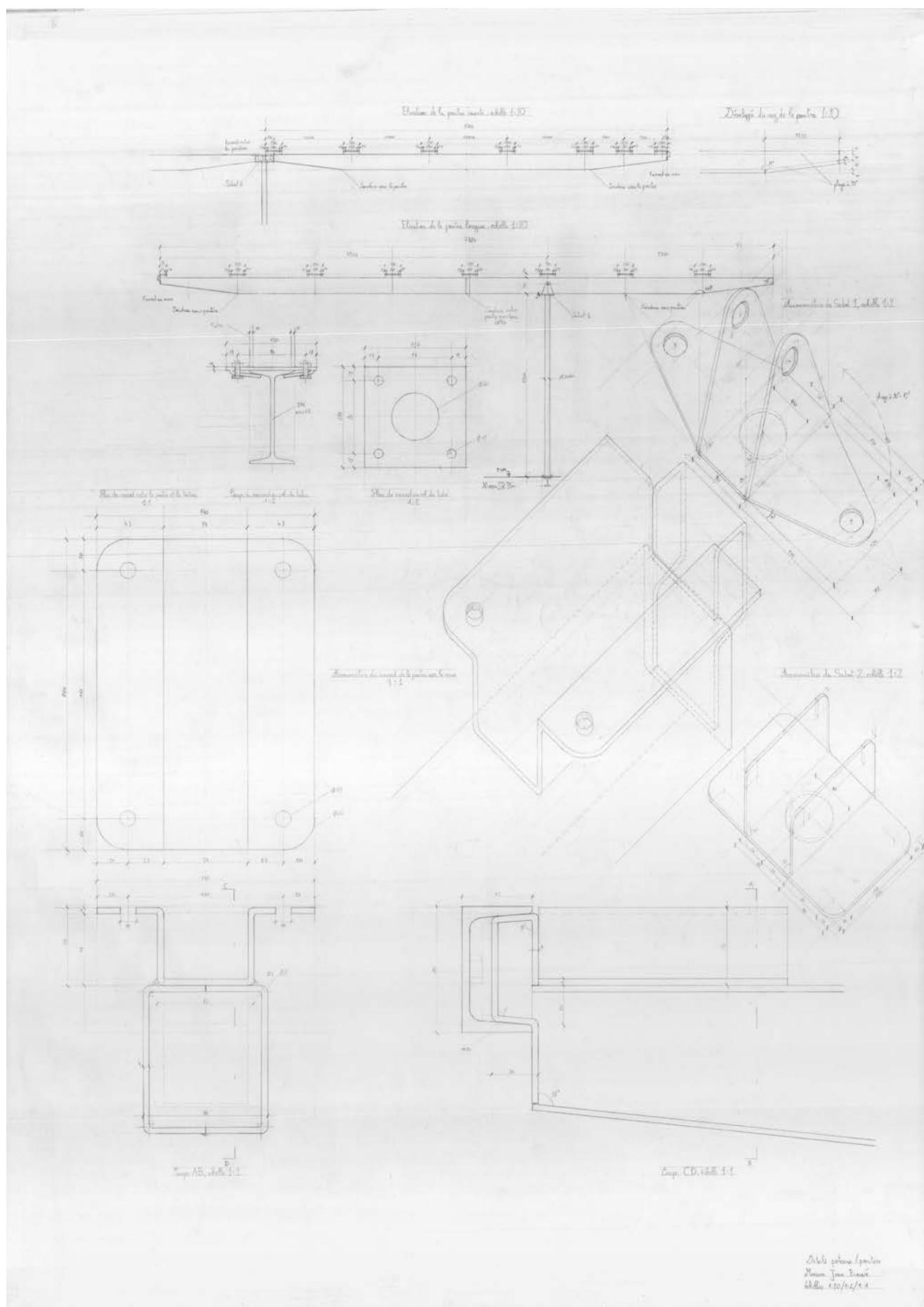


L'Agora - Jérôme Brandt  
project drawing

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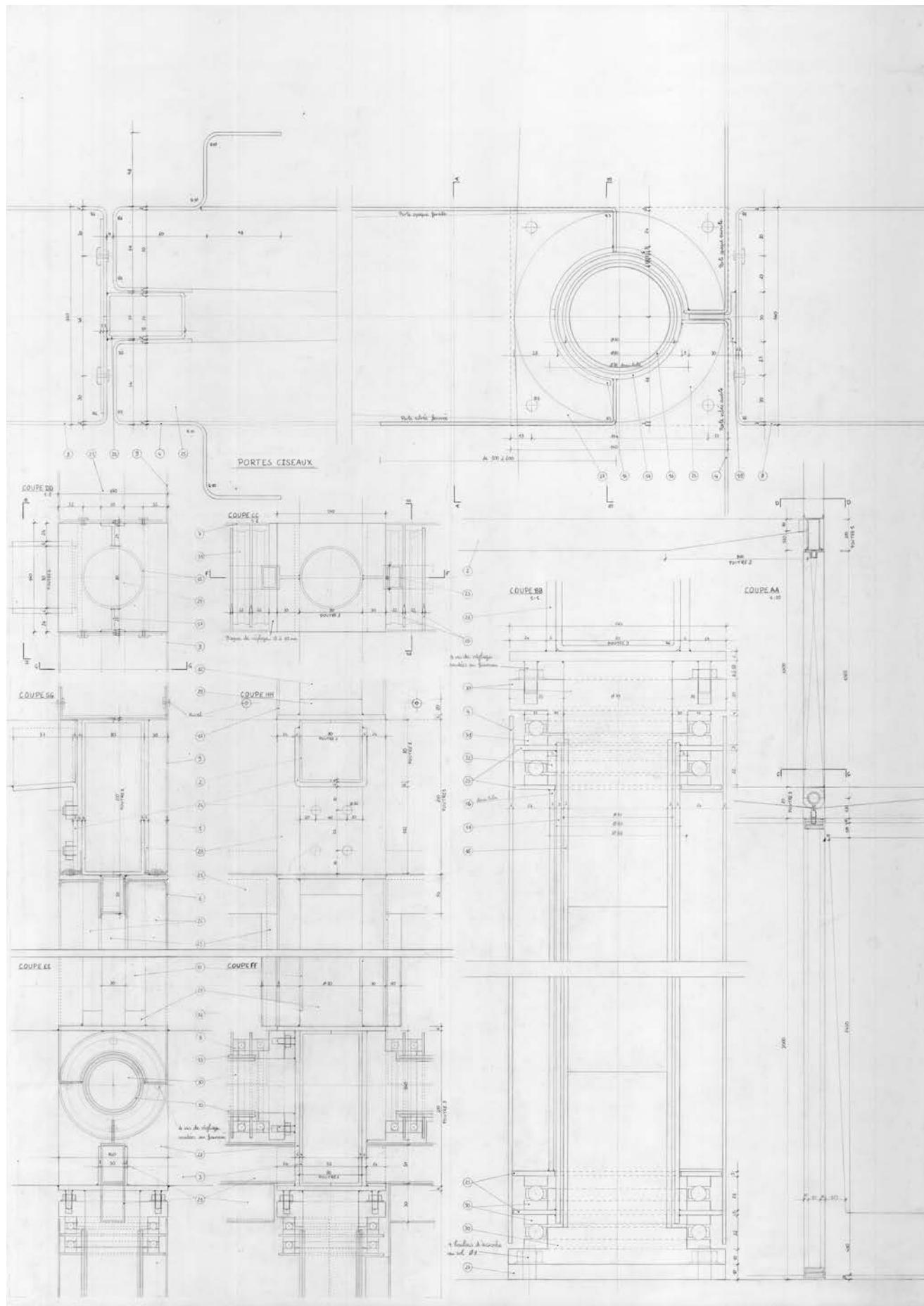


*Maison Jean Prouvé* - Jean Prouvé  
prototype of structure, Dimitri De Gavre, Angelica Munteanu, Arthur Vivet  
Halle Bleue, Fribourg



Maison Jean Prouvé - Jean Prouvé  
analytical drawing, Dimitri De Gavre

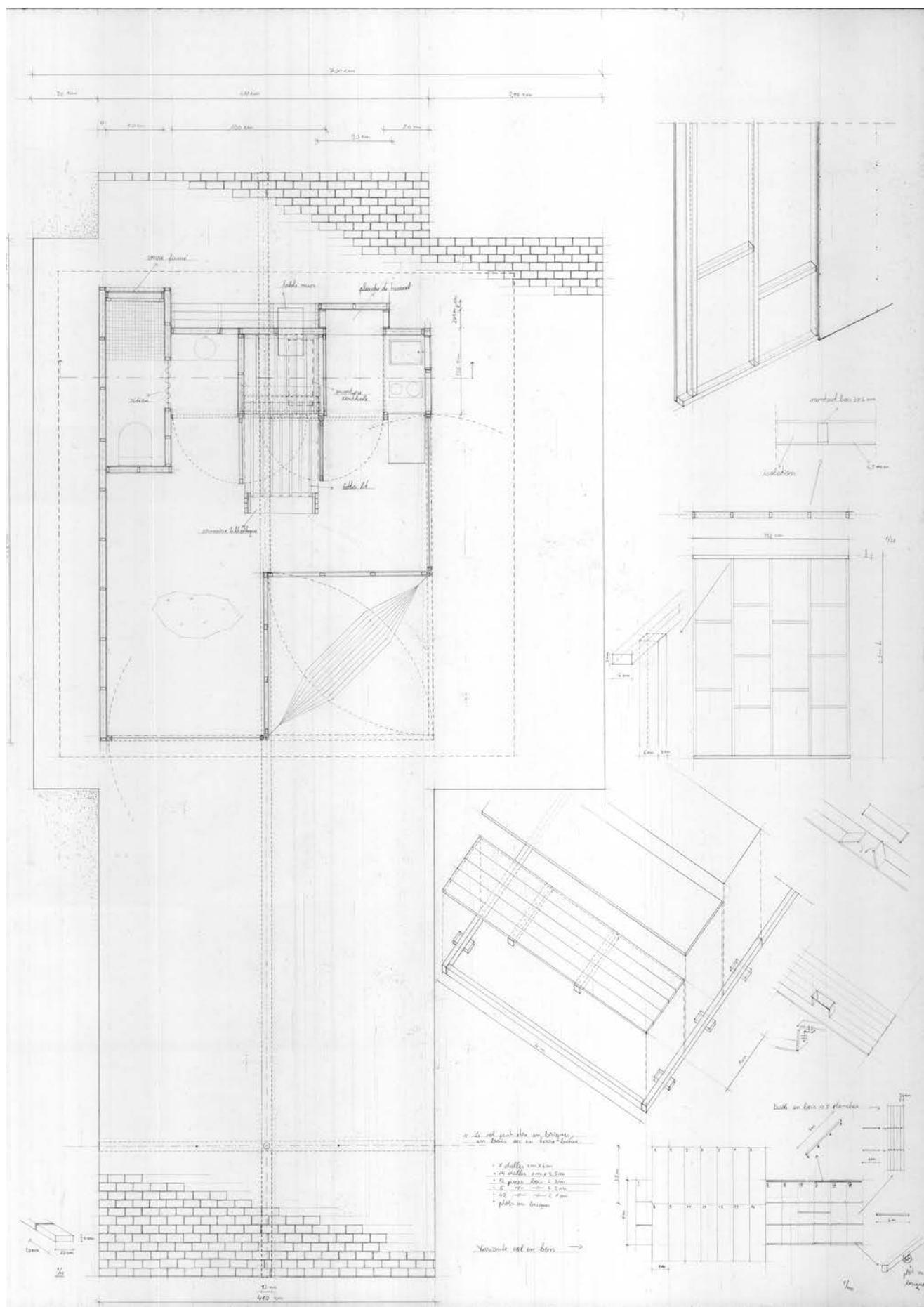
Maison Jean Prouvé - Jean Prouvé  
analytical drawing, Angelica Munteanu



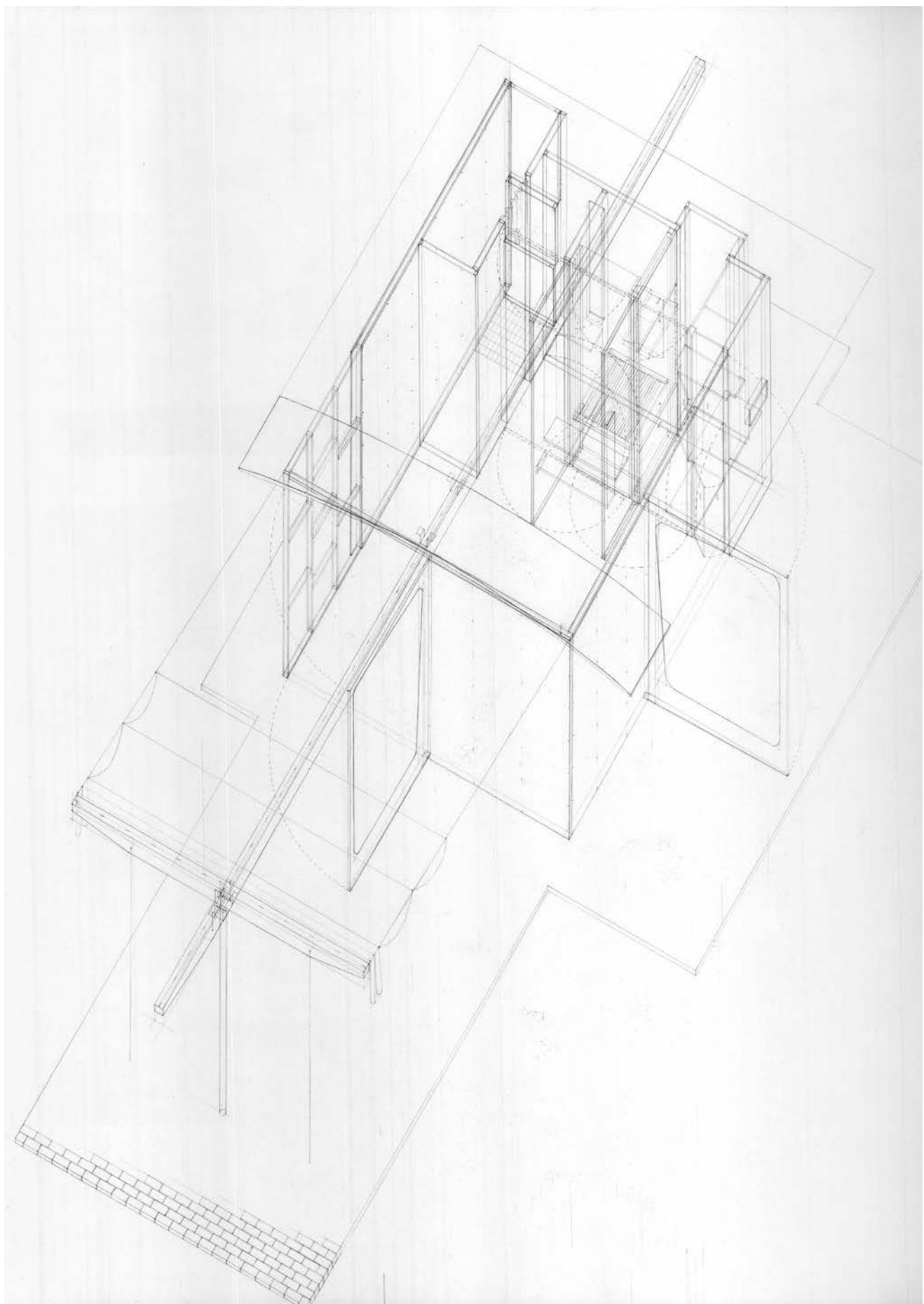
Entretoise - Arthur Vivet  
project drawing



*Maison Jean Prouvé* - Jean Prouvé  
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Halle Bleue, Fribourg



Maison Nomade - Angelica Munteanu  
project drawing



*Maison Nomade* - Angelica Munteanu  
project drawing

# ÉCOLE TEMPORAIRE, VILLEJUIF, 1956-57

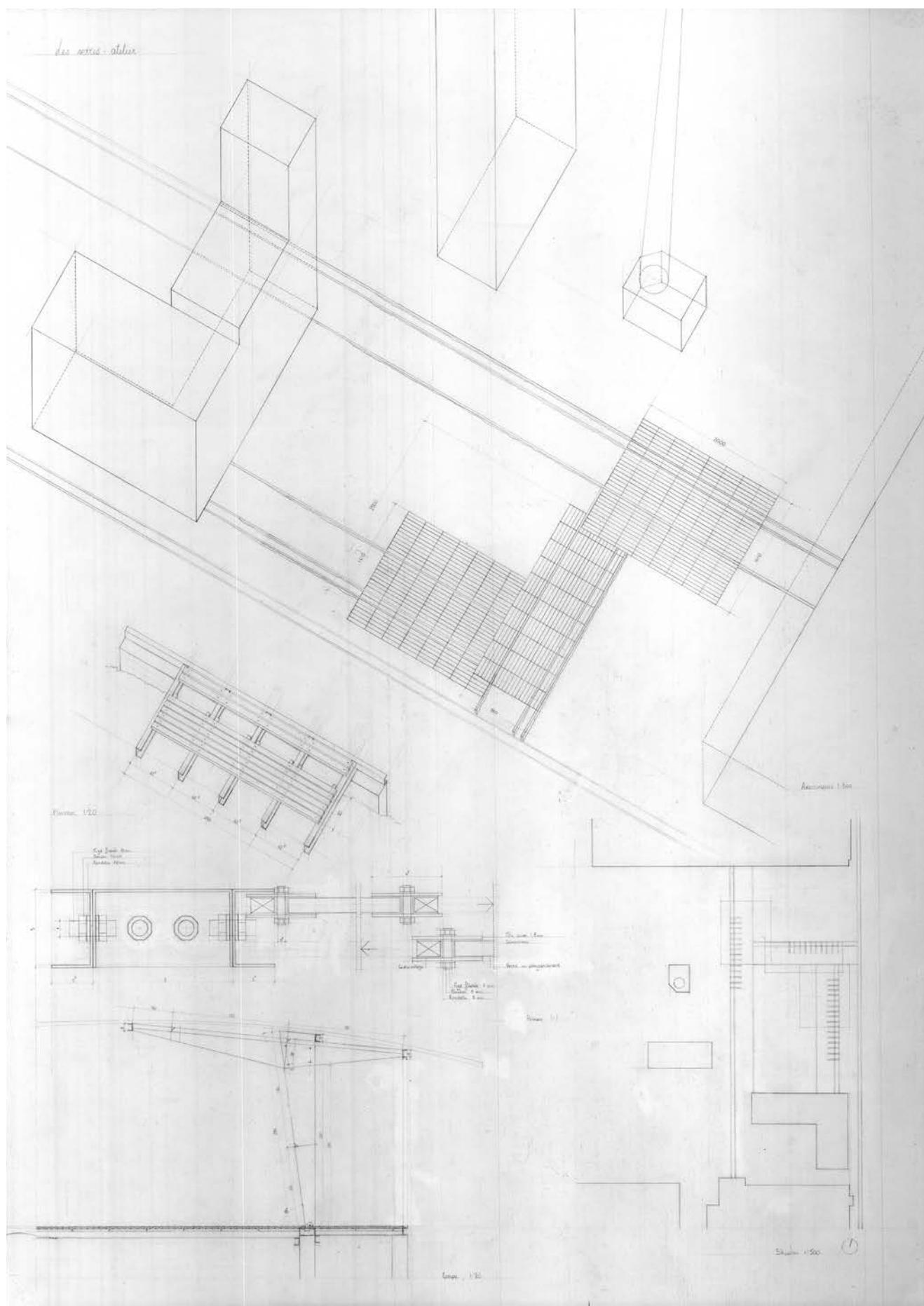


*École Temporaire* - Jean Prouvé  
prototype of structure, Jonathan Bellon, Justine Rosset  
Halle Bleue, Fribourg

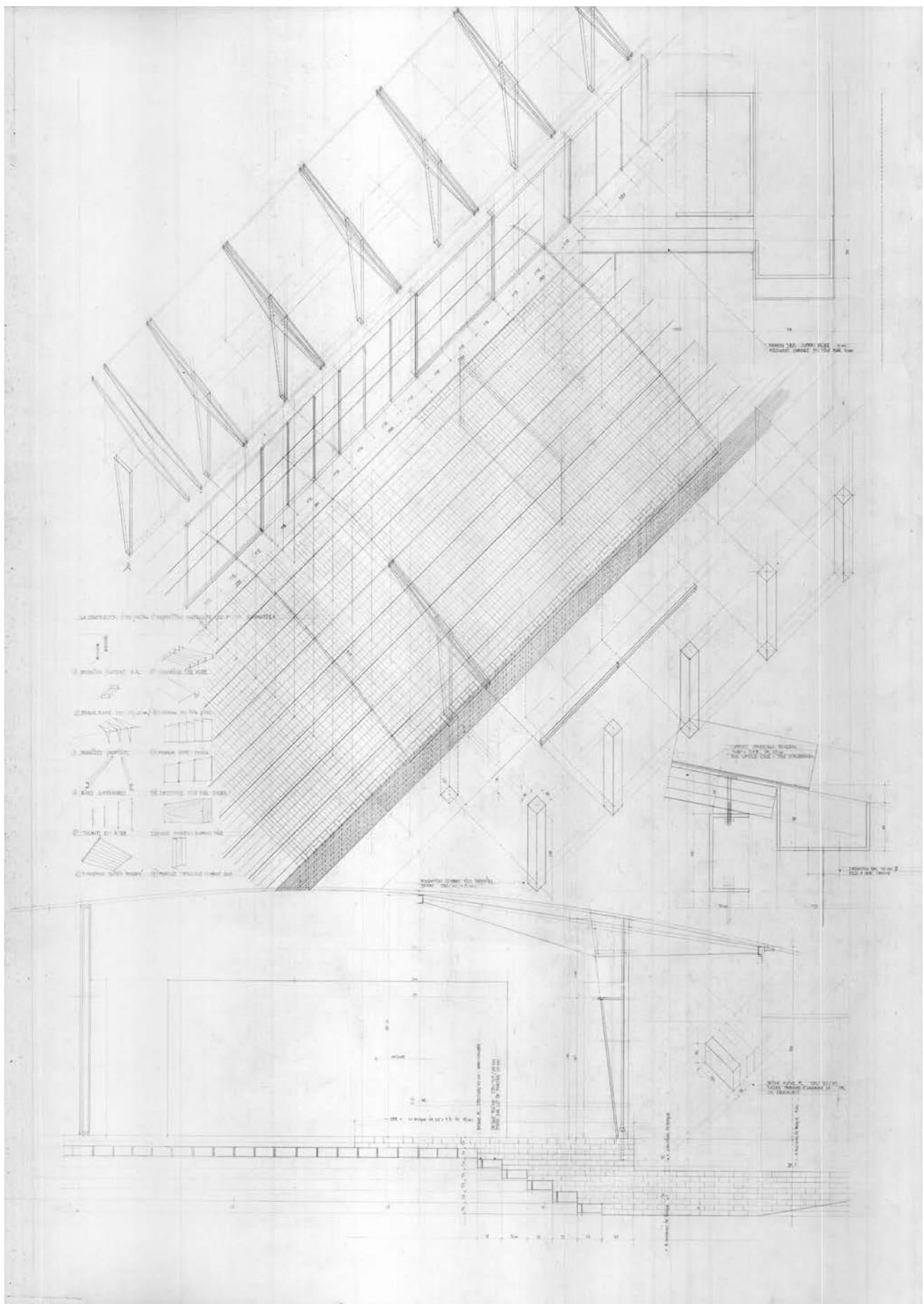
*École Temporaire* - Jean Prouvé  
analytical drawing, Jonathan Bellon



*École Temporaire* - Jean Prouvé  
prototype of structure, Jonathan Bellon, Justine Rosset  
Halle Bleue, Fribourg

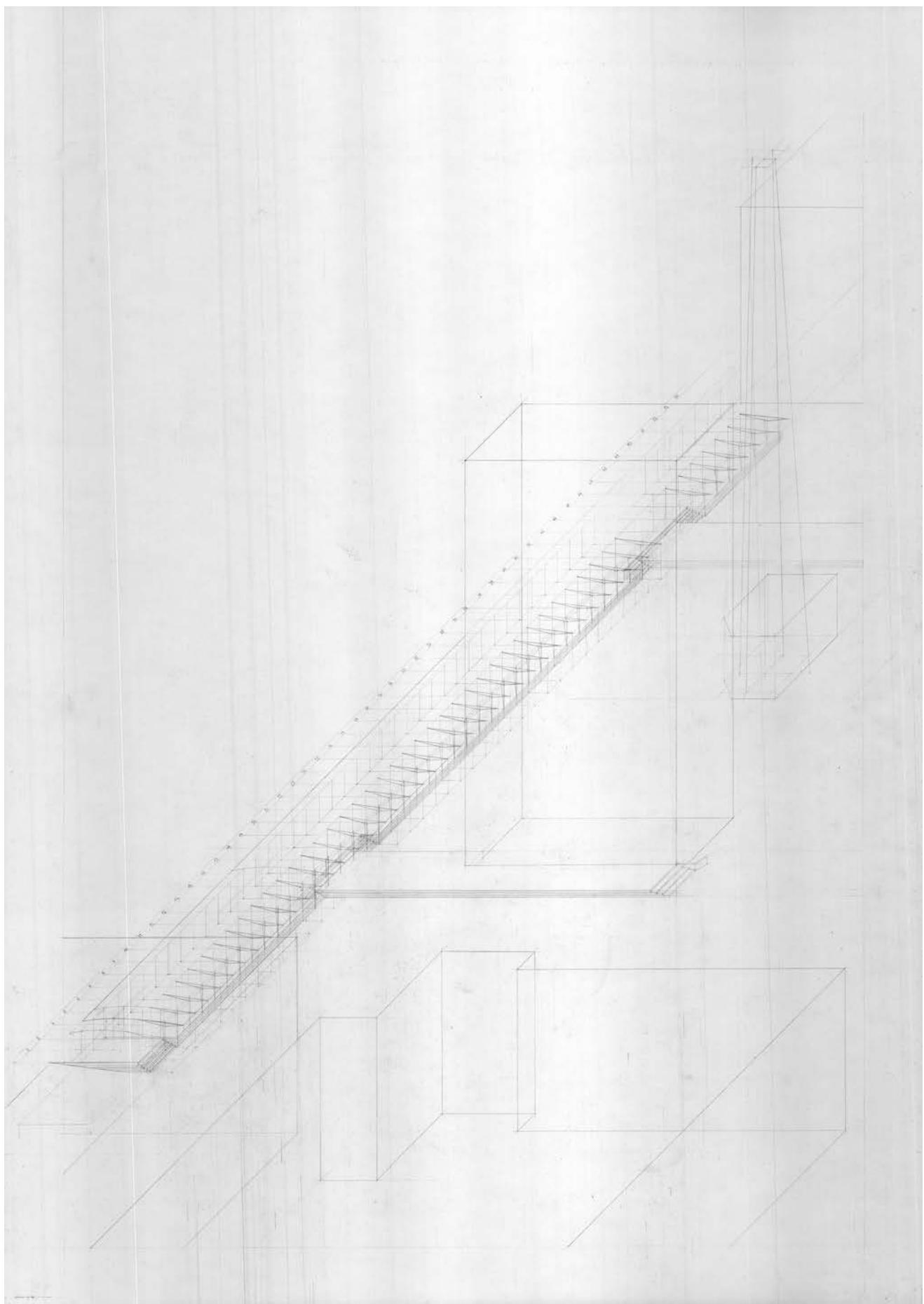


Les Serres-Atelier - Justine Rosset  
project drawing



Jardin d'Exposition - Jonathan Bellon  
project drawing

Jardin d'Exposition - Jonathan Bellon  
project drawing



*Jardin d'Exposition* - Jonathan Bellon  
project drawing





Disassembly  
Halle Bleue, Fribourg





Transport for reassembly  
Halle Bleue, Fribourg

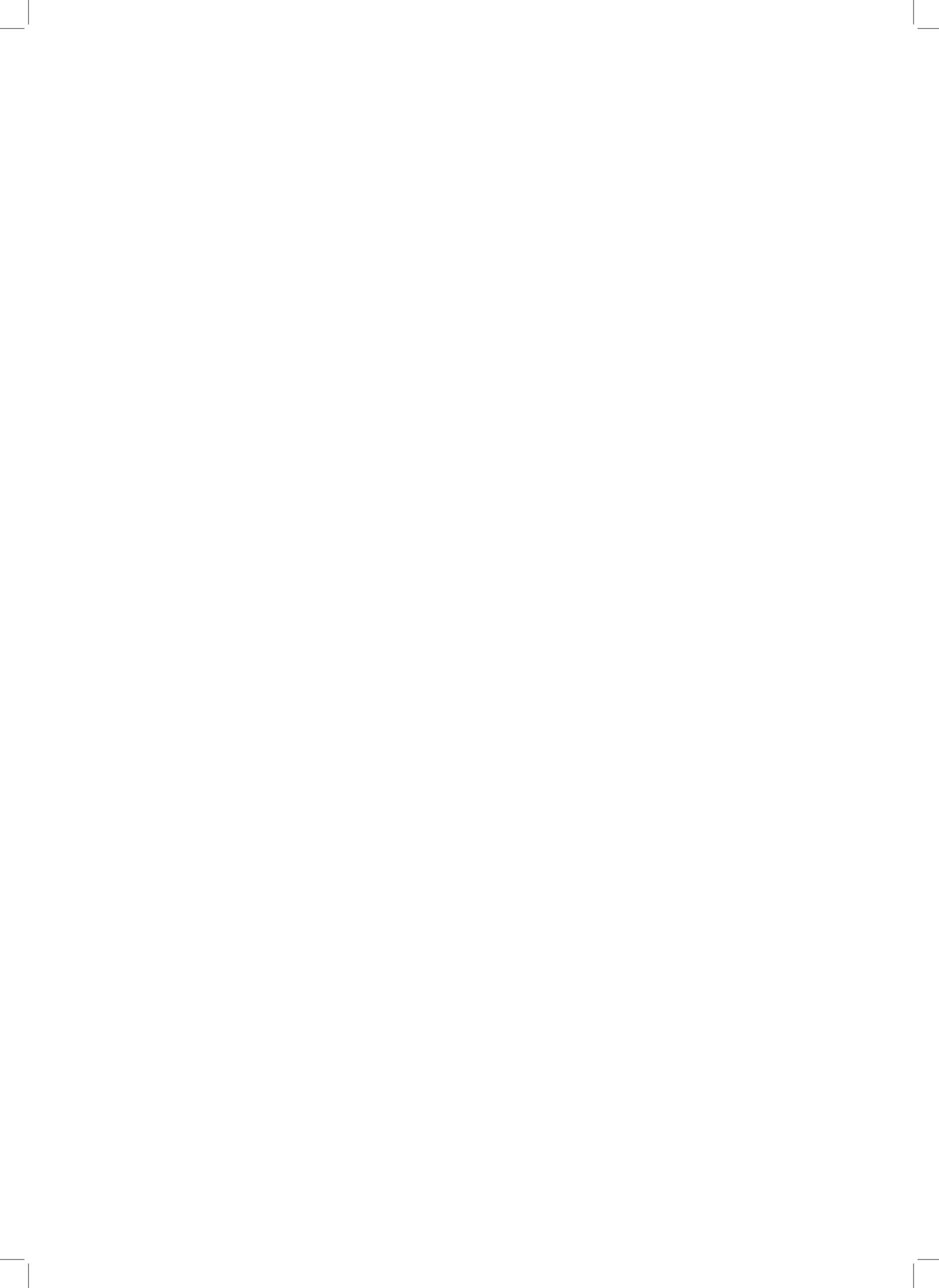


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