



GC'2017

CACHAN
15 et 16 mars

FUTUR PALAIS DE JUSTICE DE PARIS

Audrey ZONCO (SETEC TPI)

Le Nouveau Palais de Justice de Paris

Nov 2011 – June 2017

Audrey Zonco — Ingénieur structure-setec
tpi

Design Team

Renzo Piano Building Workshop

Setec tpi

Setec bâtiment

Berim

RFR

Lamoureux acoustics

Lerchbates

Majorelle

Final client:

EPPJP

Promoteur:

Arélia - Bouygues PPP

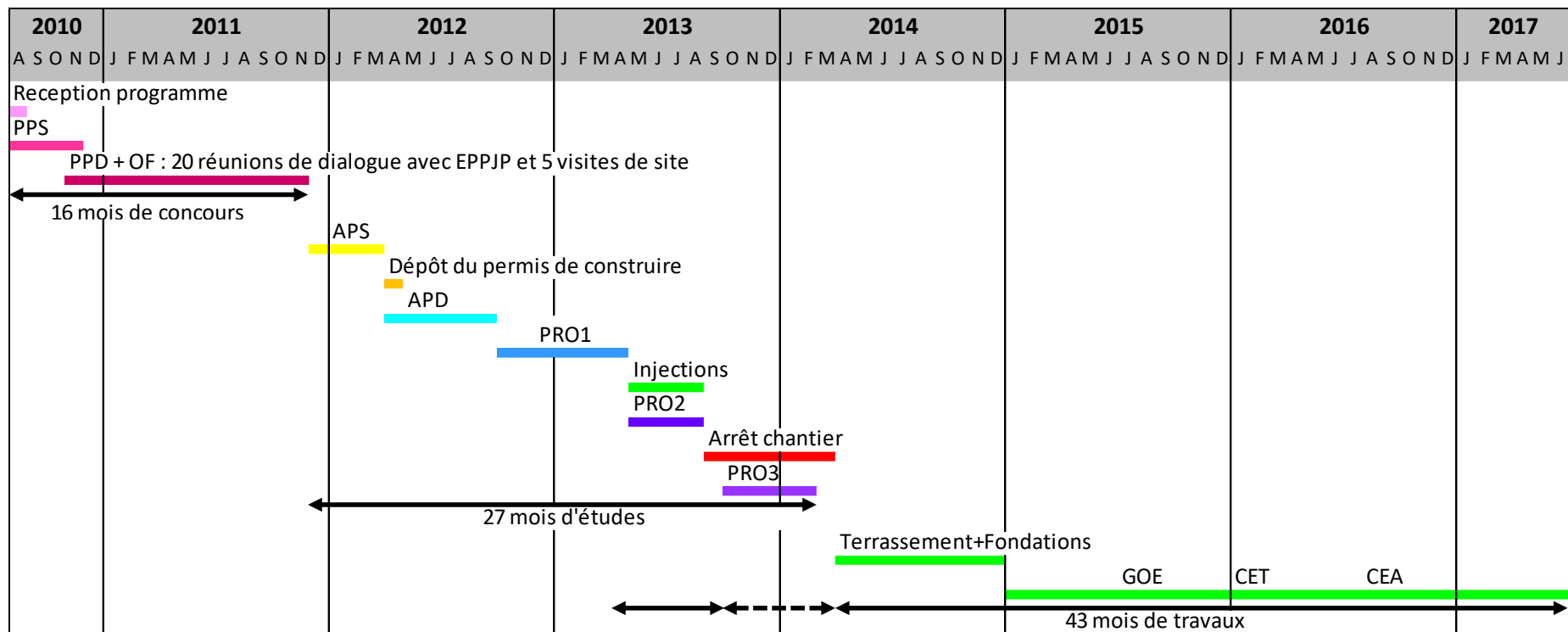
Builder:

Bouygues Bat IDF

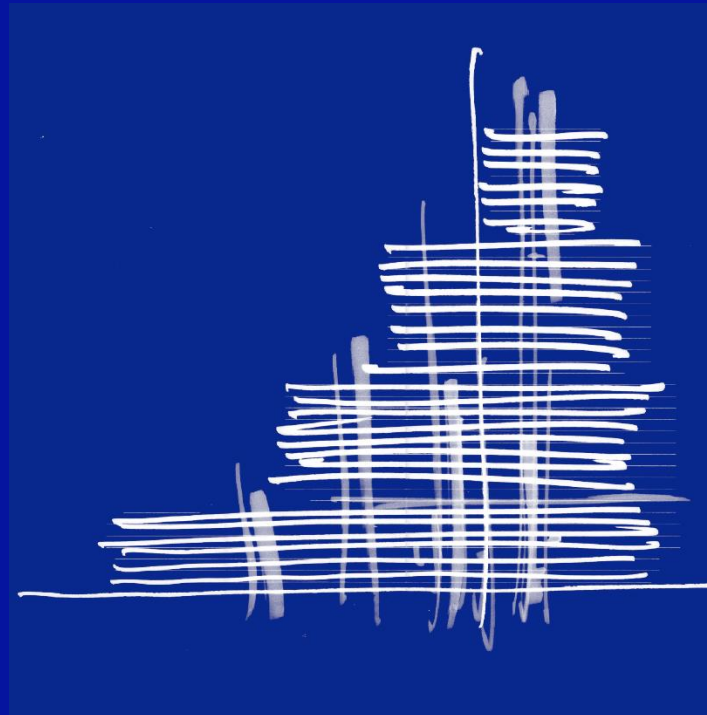
Operator:

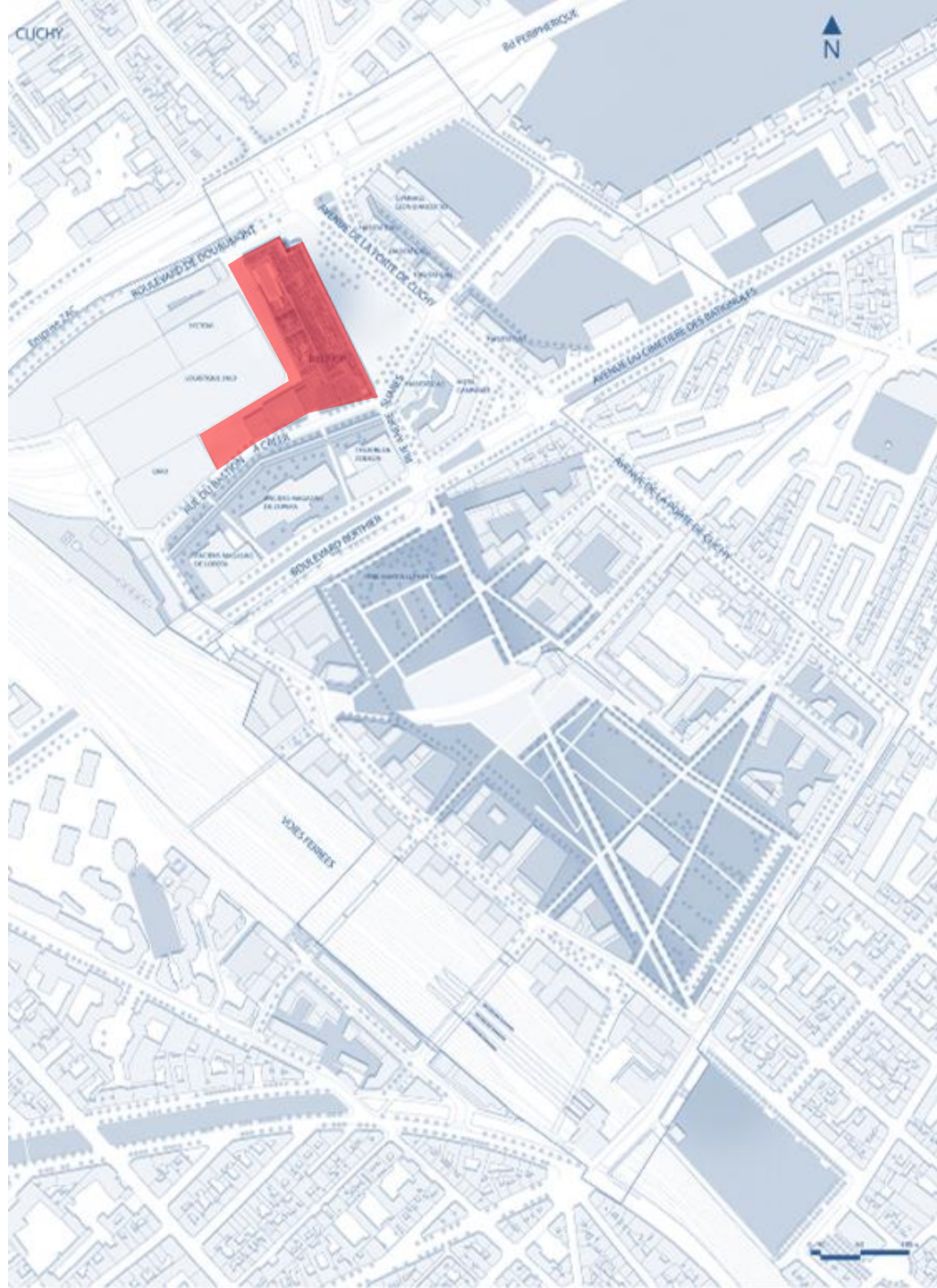
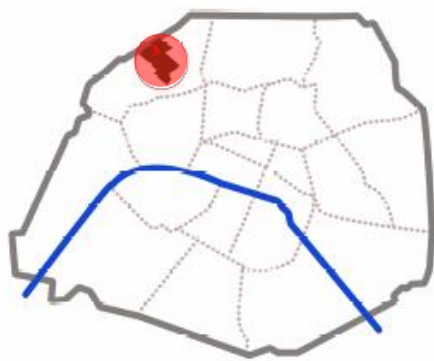
Exprimm





PRESENTATION GENERALE





perspective aérienne zac batignolles





Palais de Justice de Paris

Surface de plancher SHOB: 130 000 m²

Surface SHON : 100 000 m²

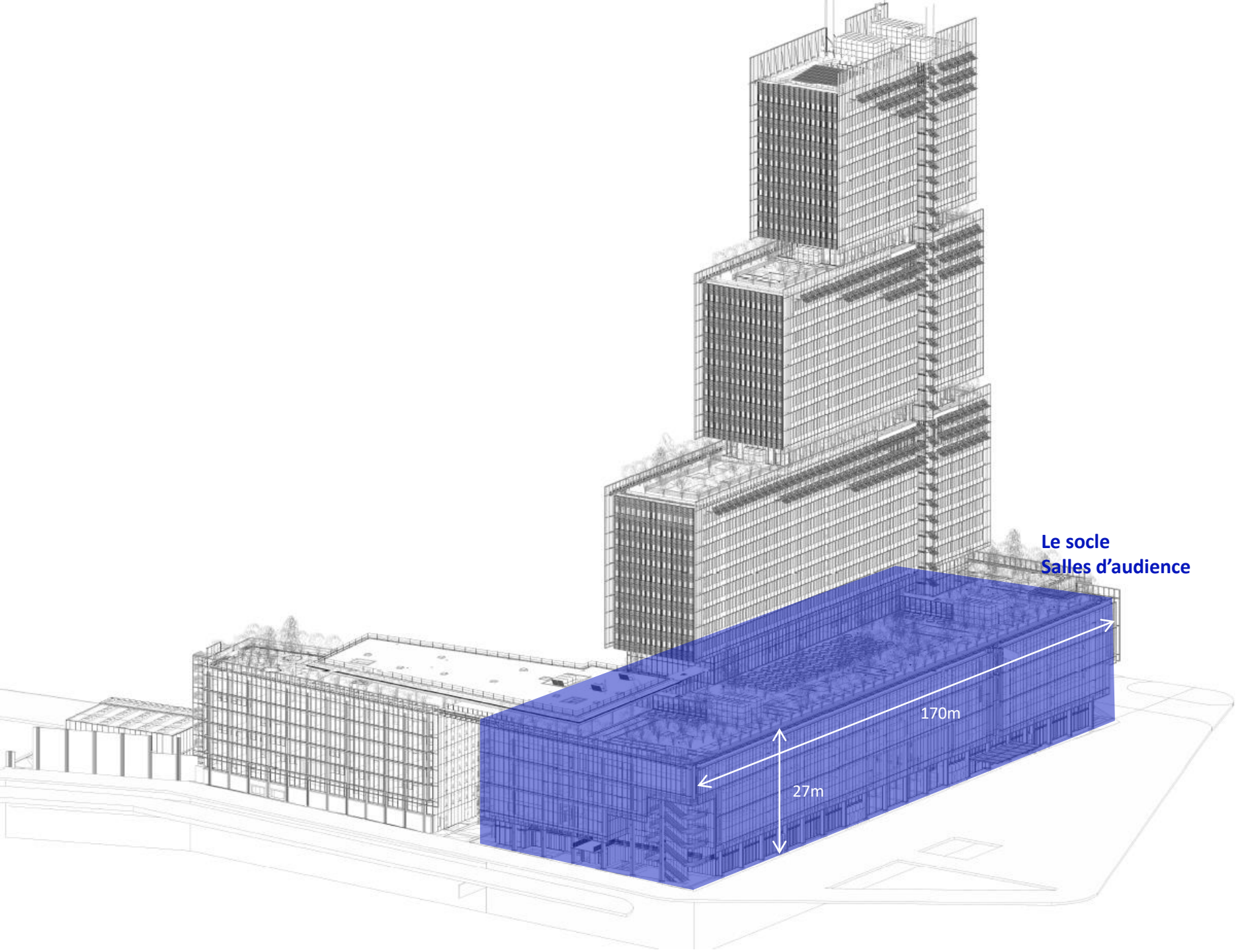
Surface utile : 62 000 m²

livraison Juin 2017

**160 m de haut
38 Etages**

90 Salles d'audience

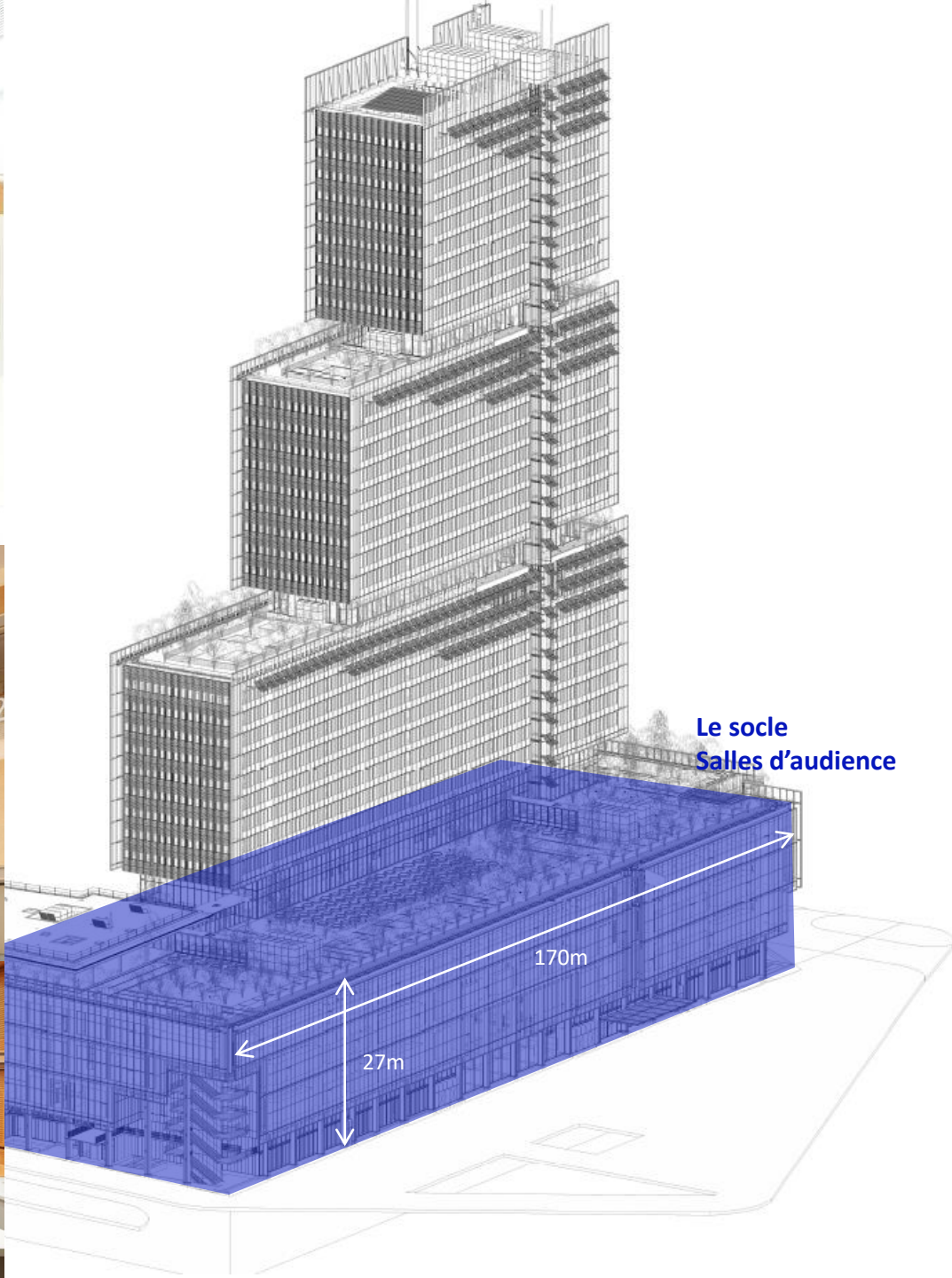
9 000 Personnes par jour

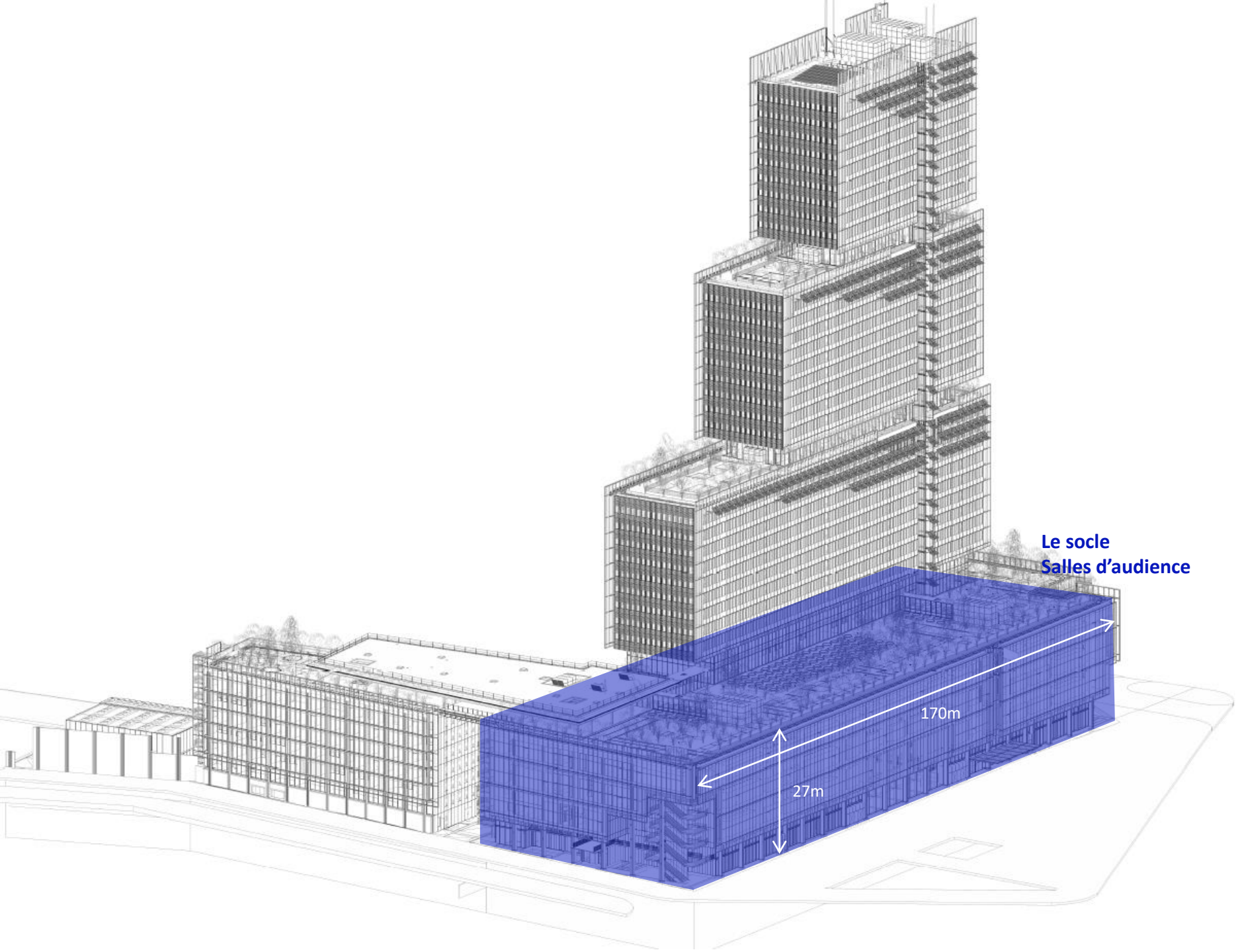


Le socle
Salles d'audience

170m

27m

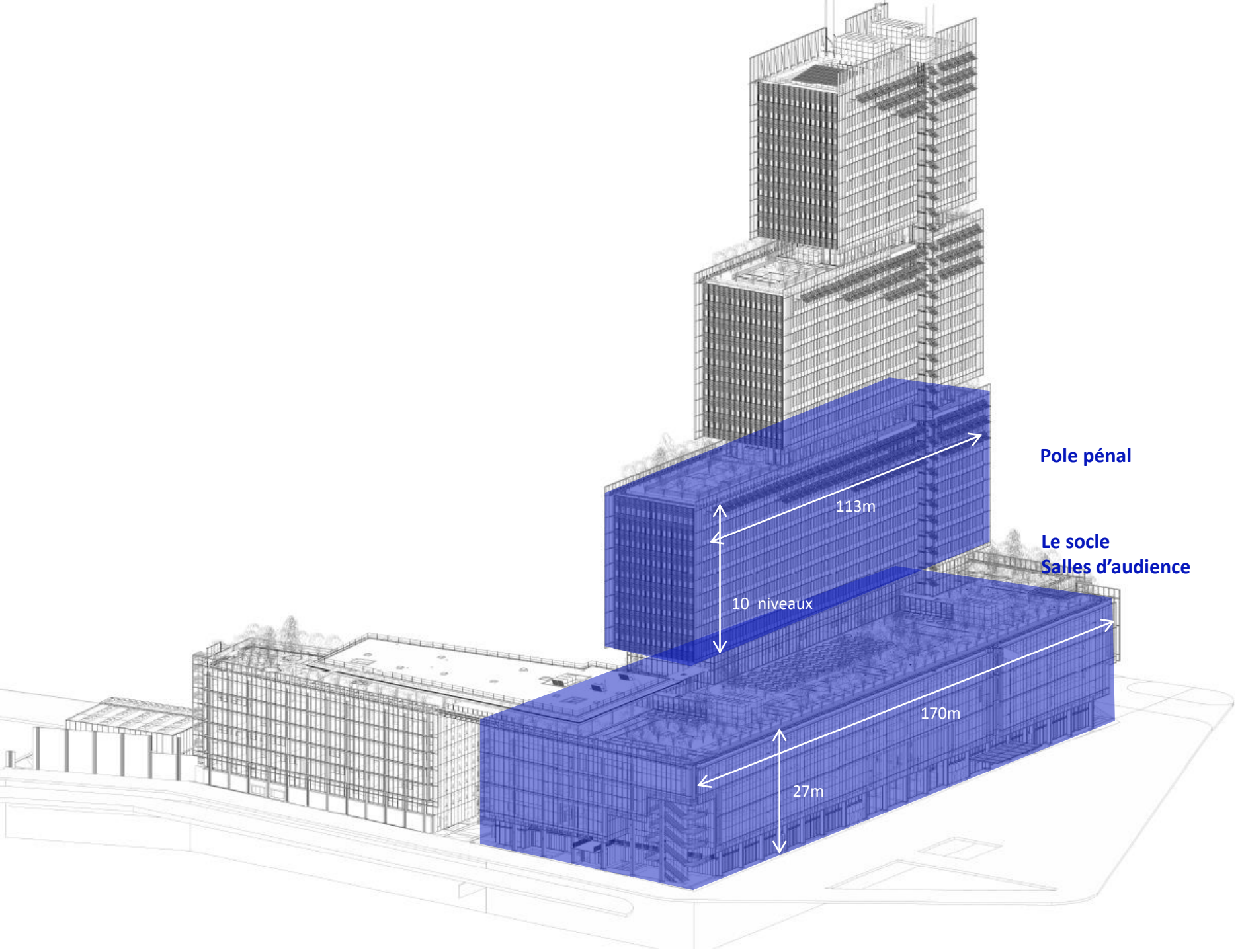


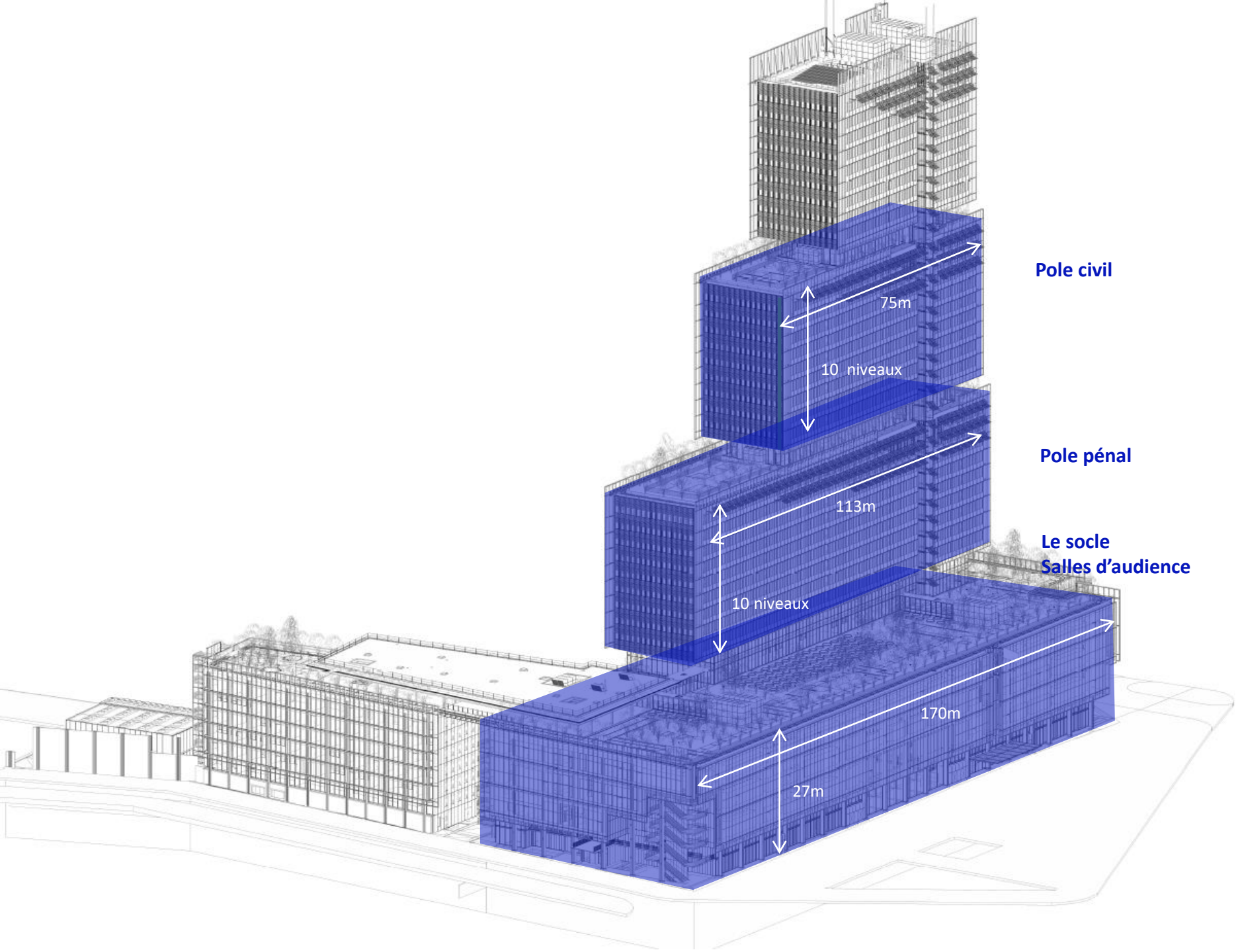


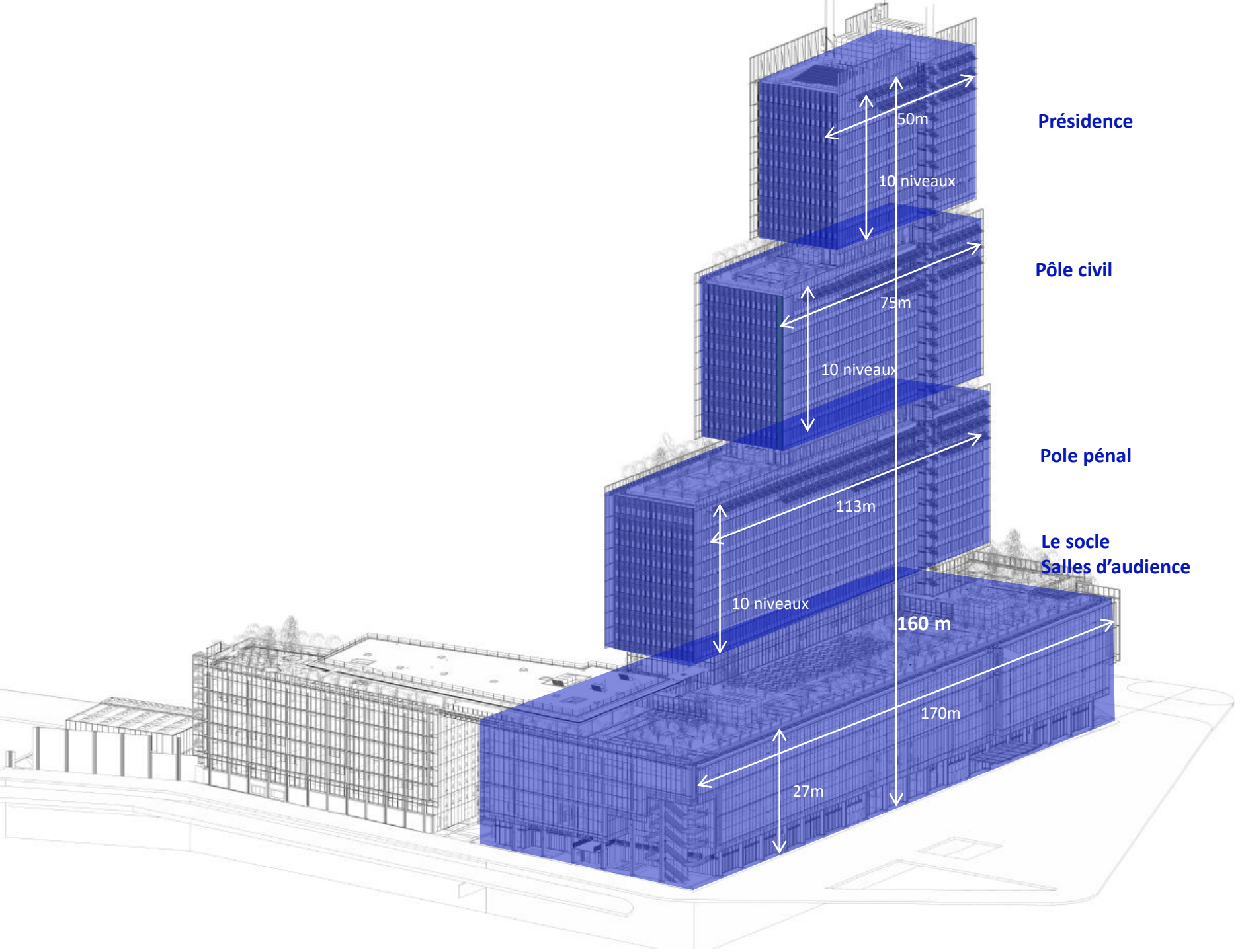
Le socle
Salles d'audience

170m

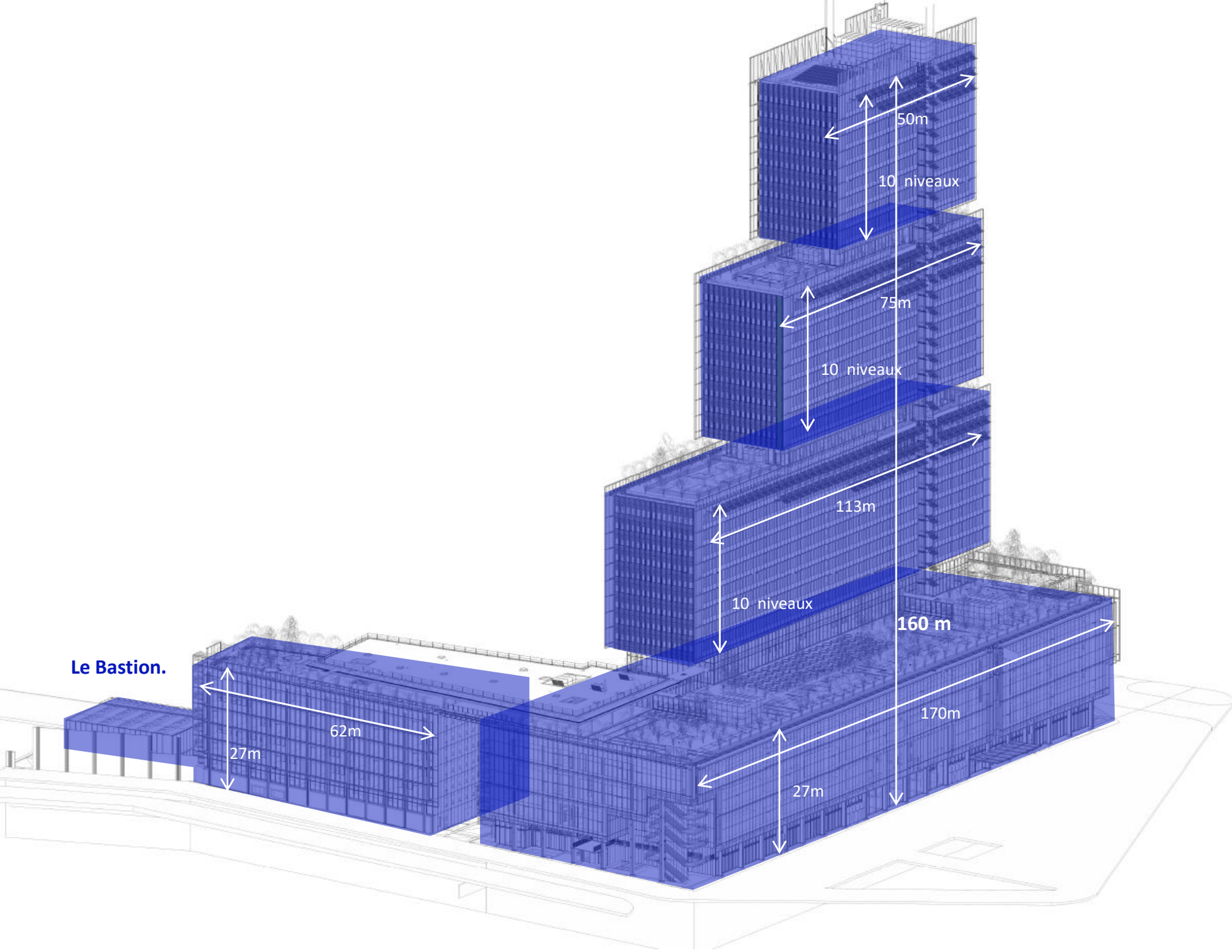
27m







Le Bastion.







Audrey Zonco
Structural engineer
In charge of the team

Jean-Bernard Darty
Director

Hermann Fagninou
Structural engineer

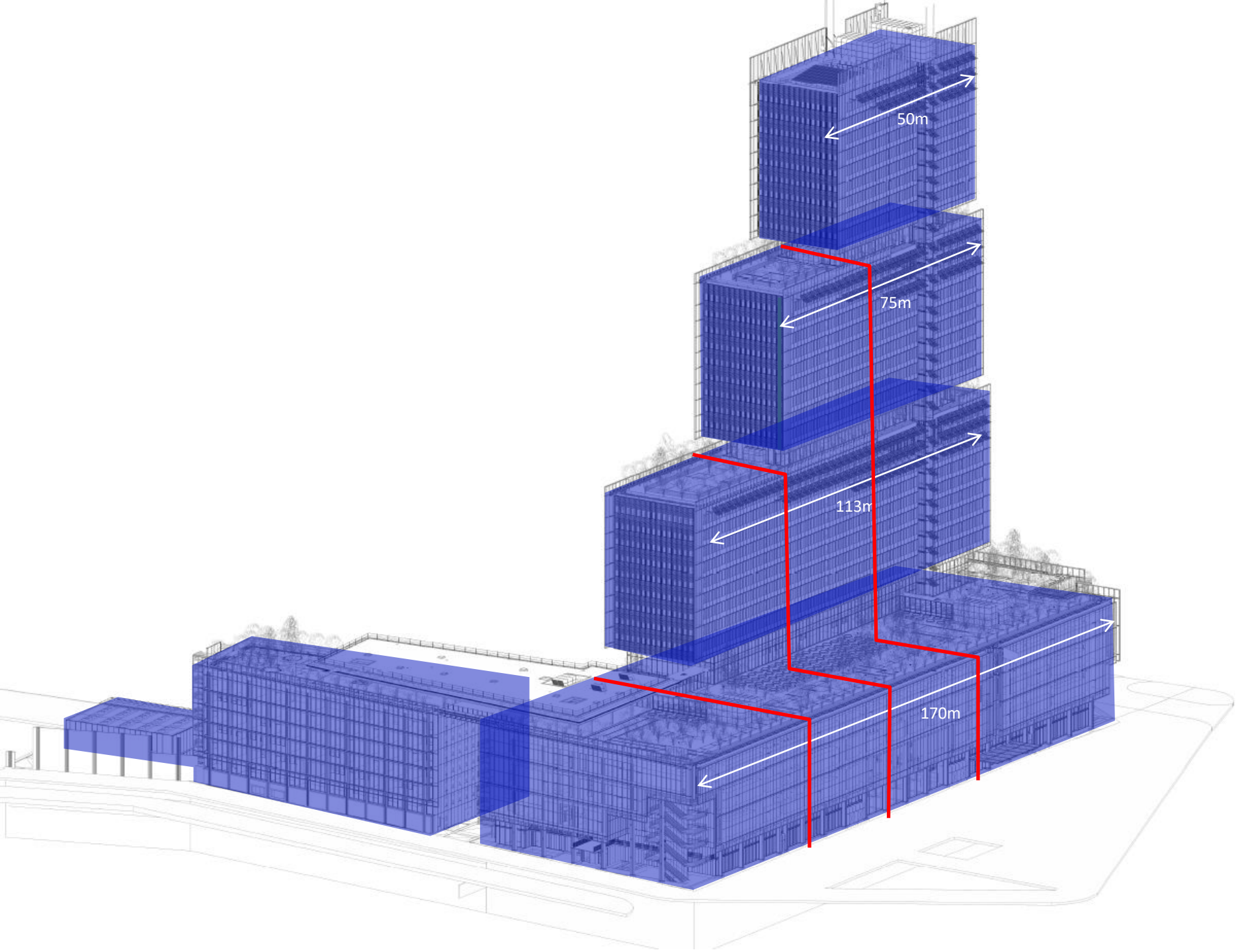
Olivier Coval
Draftsmen

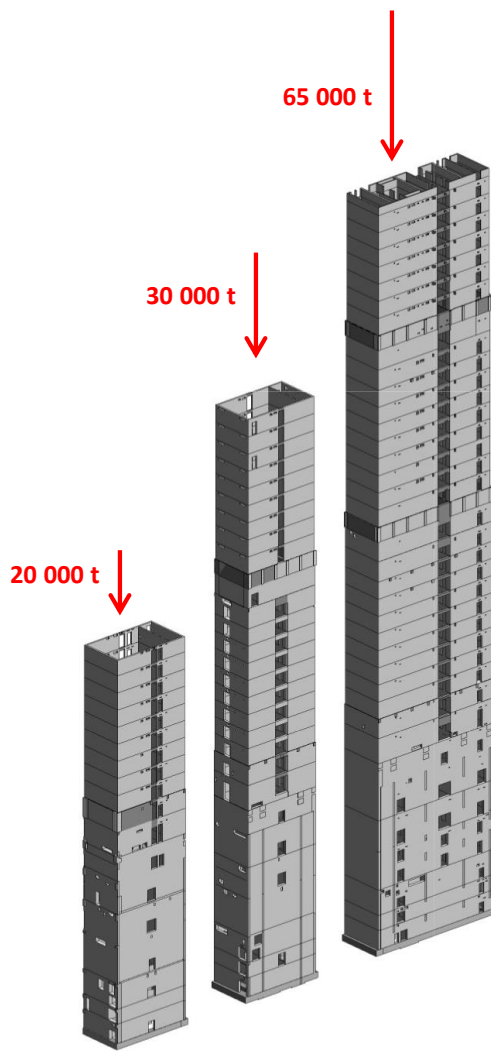
Xin Liu
Structural engineer

Iari Agez
Structural engineer

Vladana Darras
BIM manager

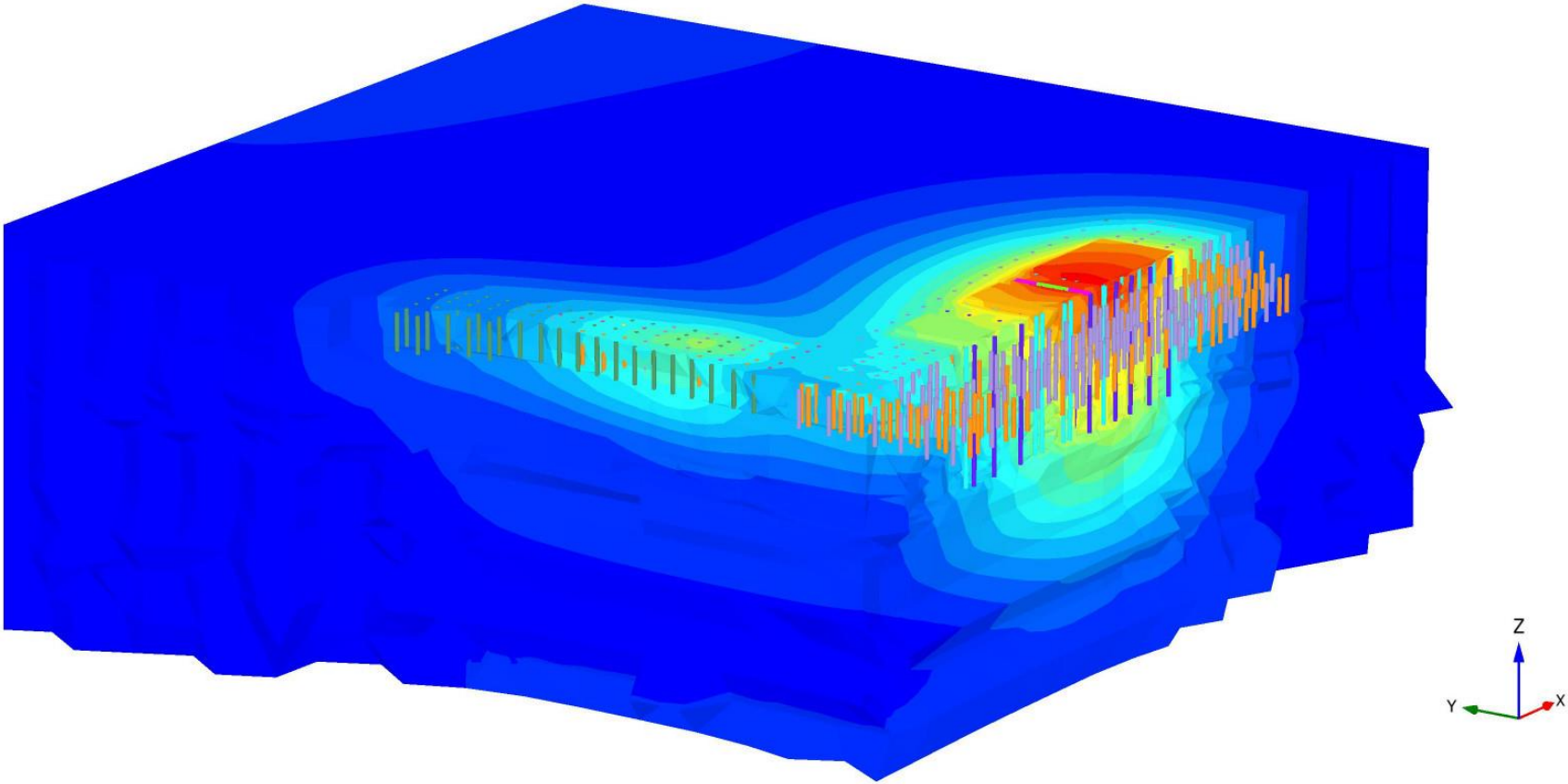
SUPERSTRUCTURE
- DDC Verticale et noyaux-











Total displacements u_z

Maximum value = 1.751×10^{-3} m (Element 276128 at Node 415878)

Minimum value = -0.03310 m (Element 6547 at Node 5895)



Project description
TGI_modifié

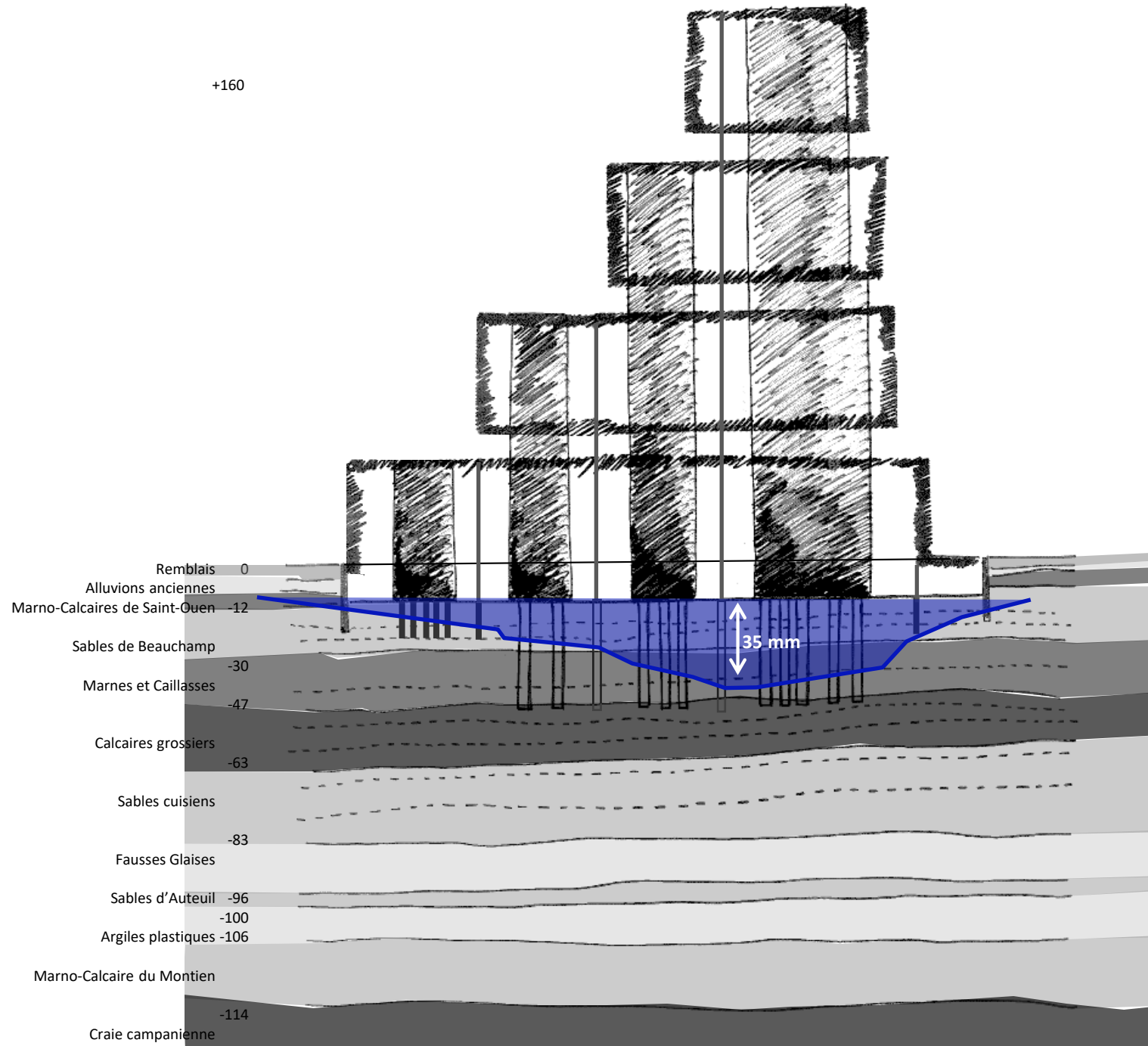
Date
15/09/2014

Project filename
TGI_new2

Step
44

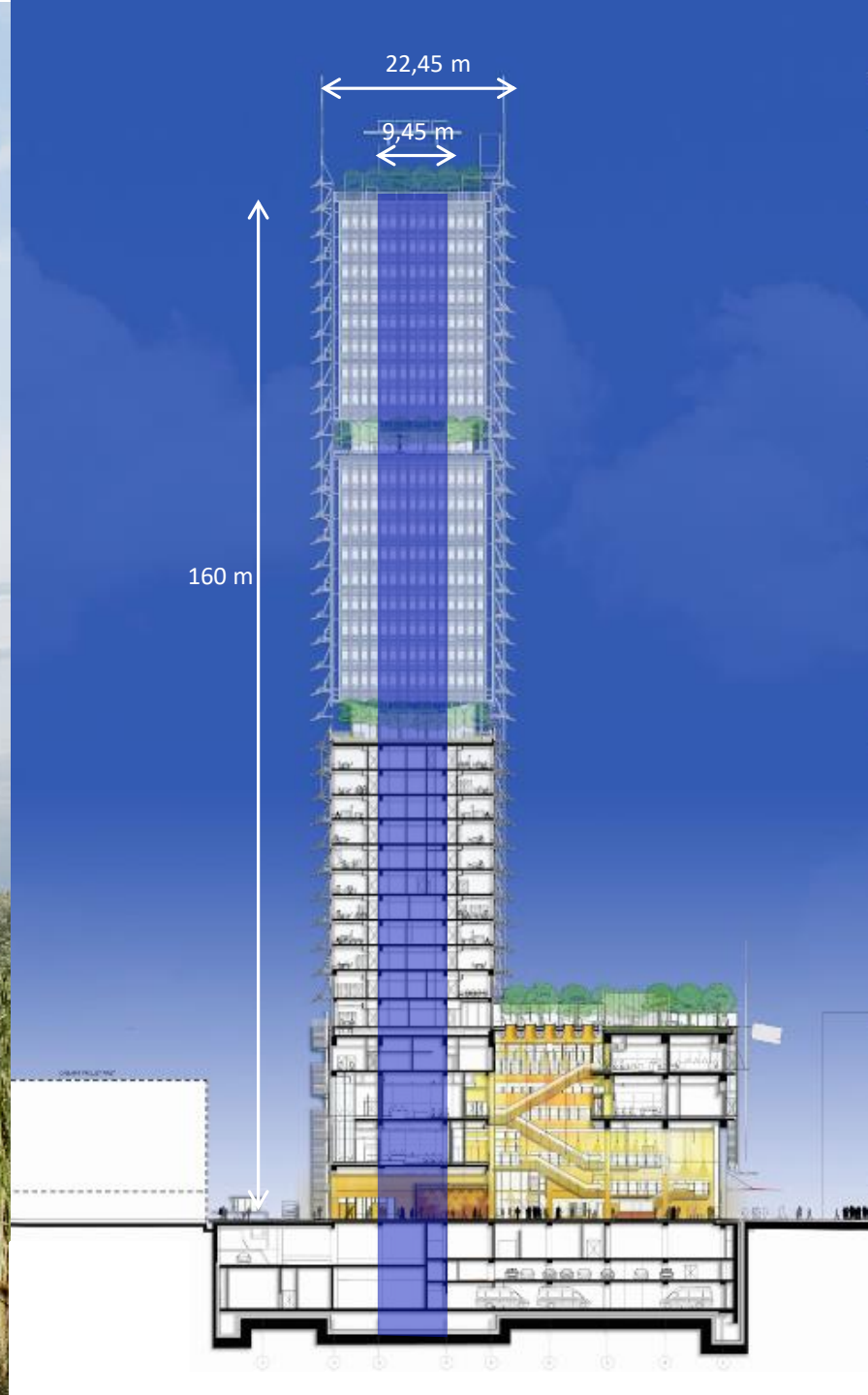
User name
PLAXIS Results Viewer

+160



SUPERSTRUCTURE

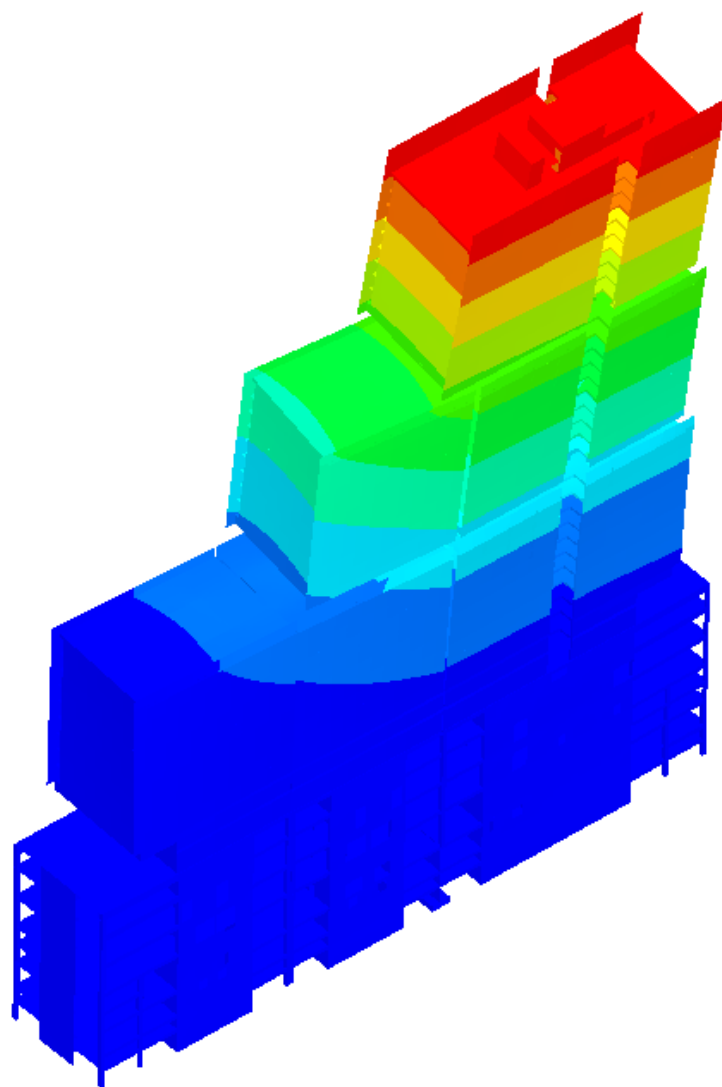
- Elancement -







0.242 HZ, MGEN : 15711.628 T



0.00006 0.10156 0.30455 0.50754 0.71053 0.91352 1.01502

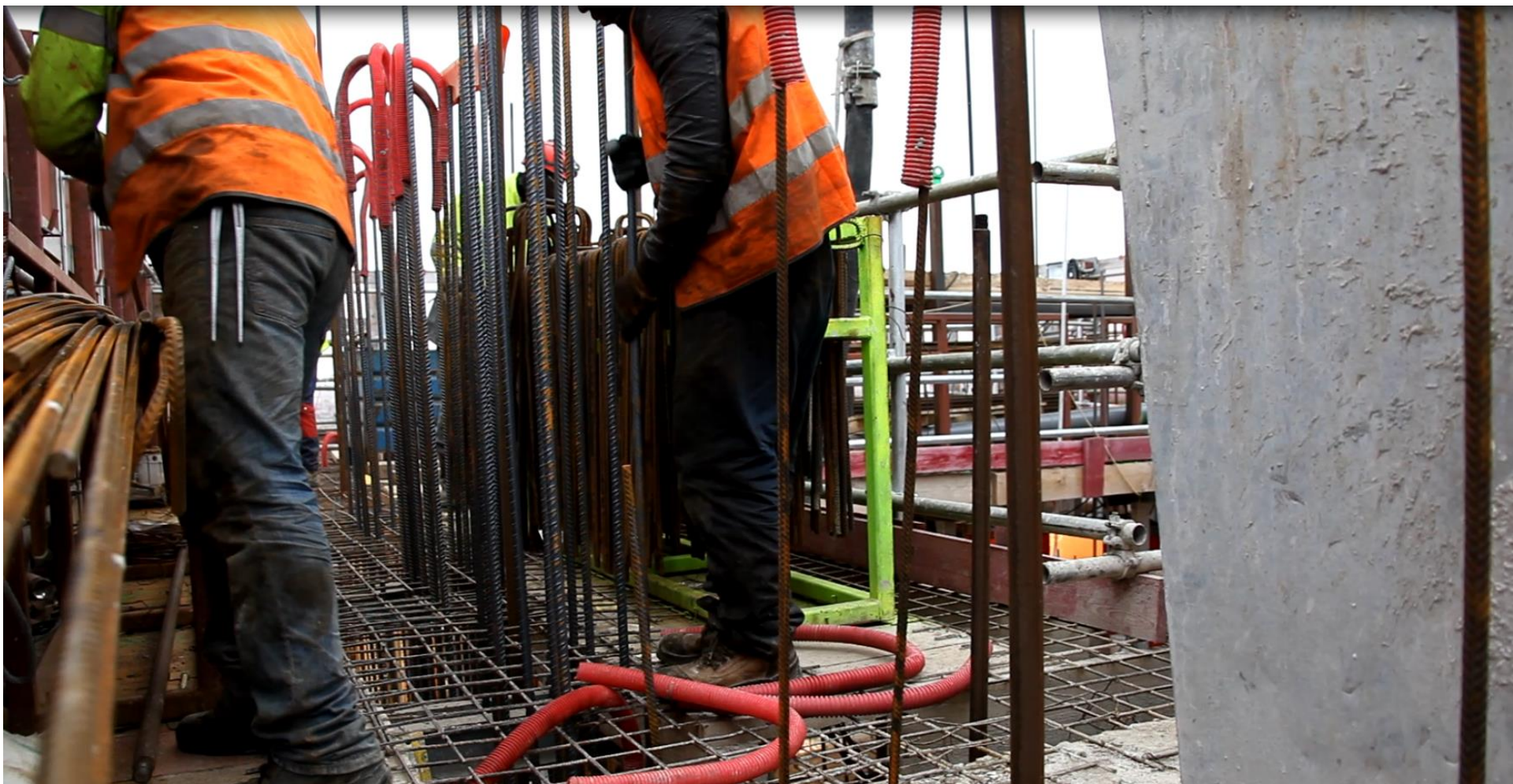
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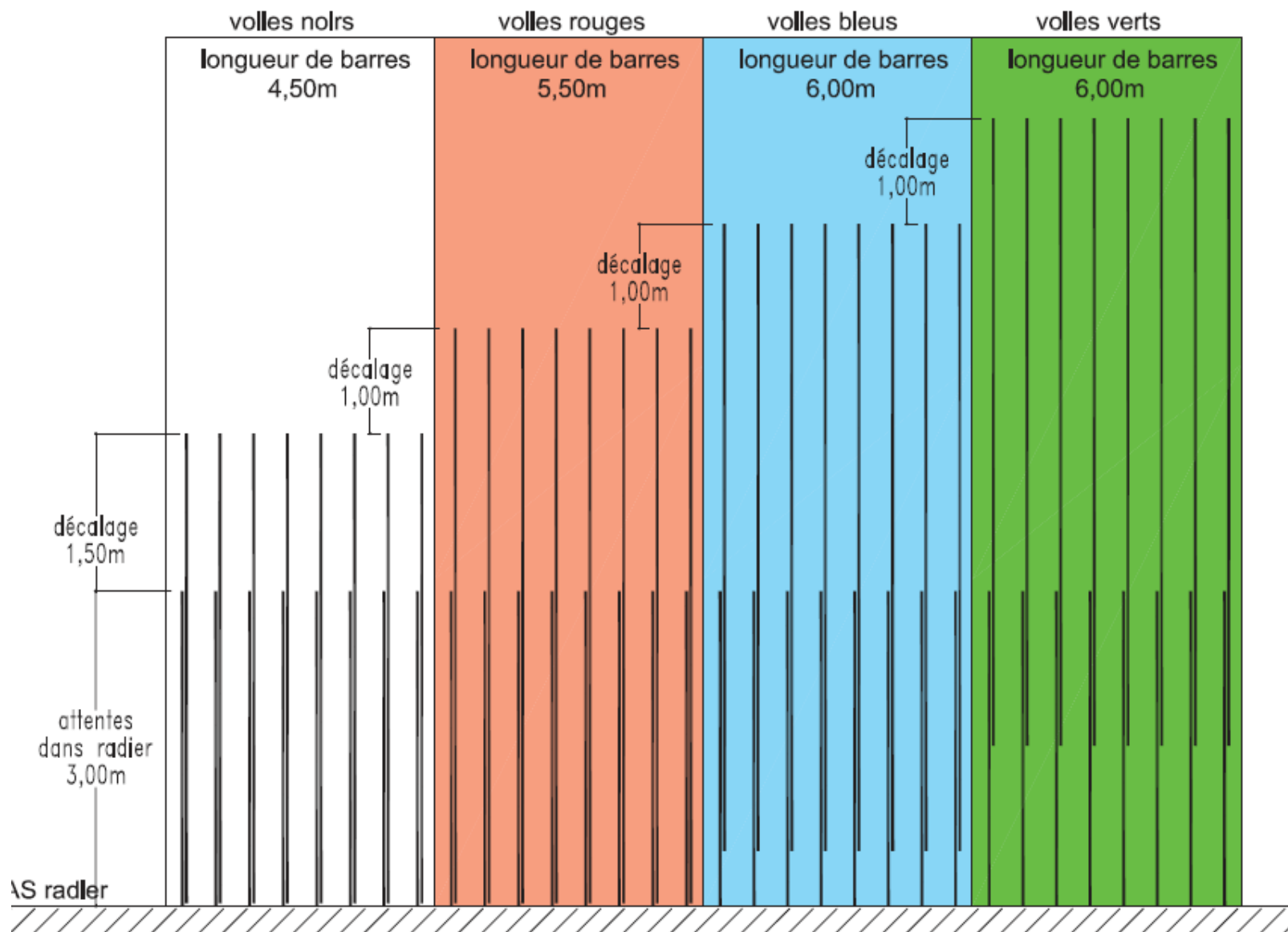
SUPERSTRUCTURE
-Construction des noyaux-





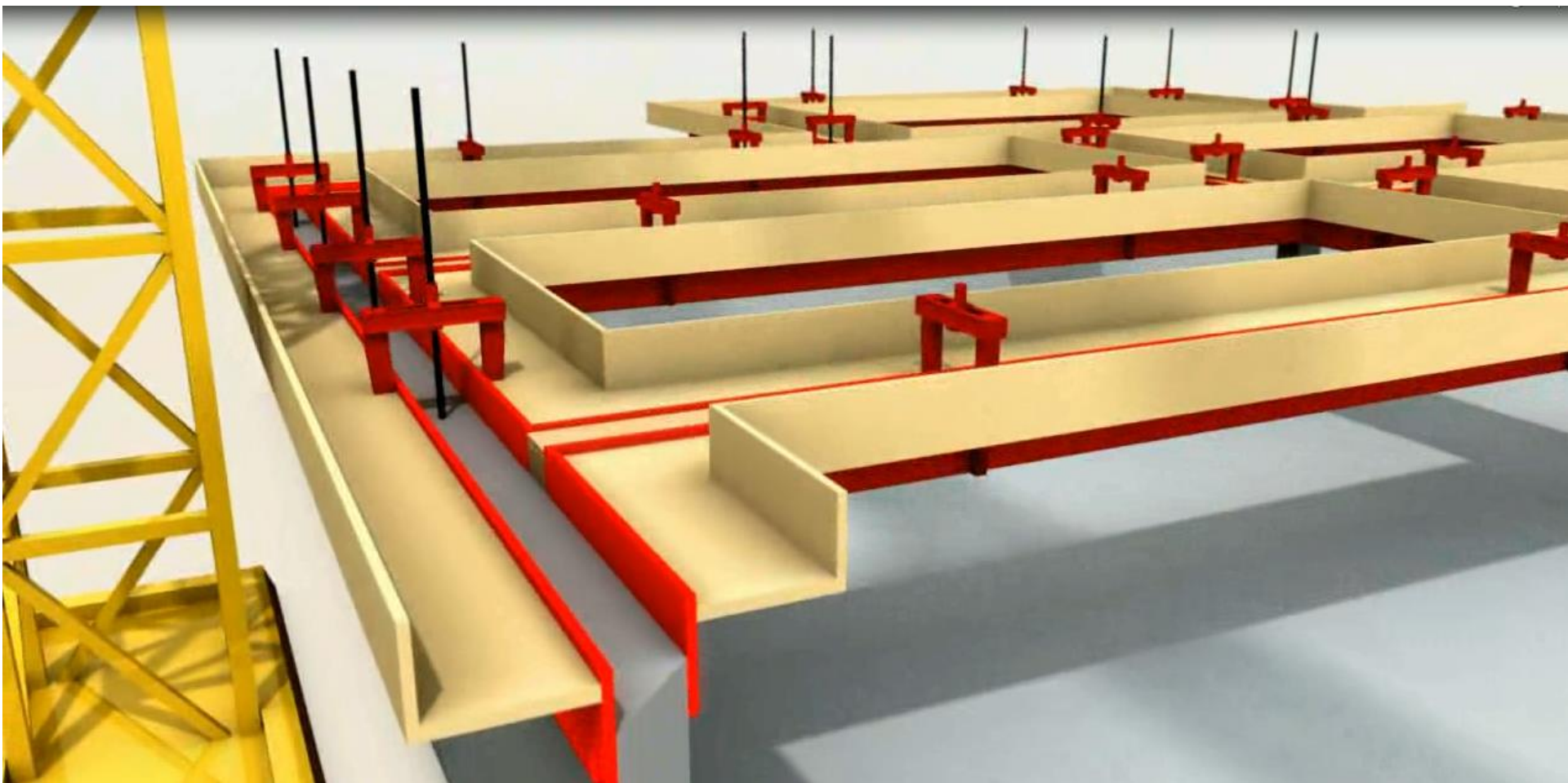


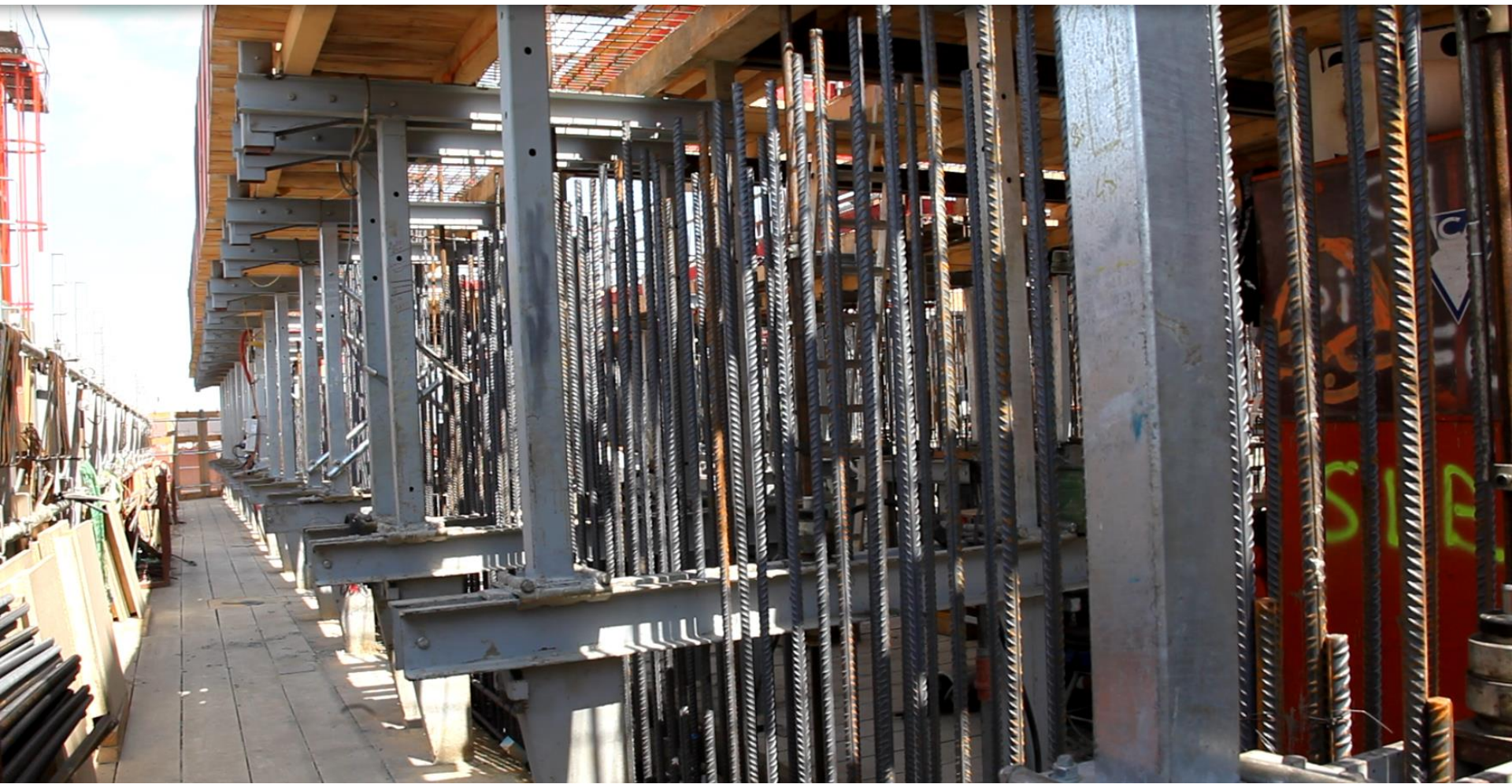
PRINCIPE DE FERRAILLAGE AU DEMARRAGE SUR RADIER (barres verticales)

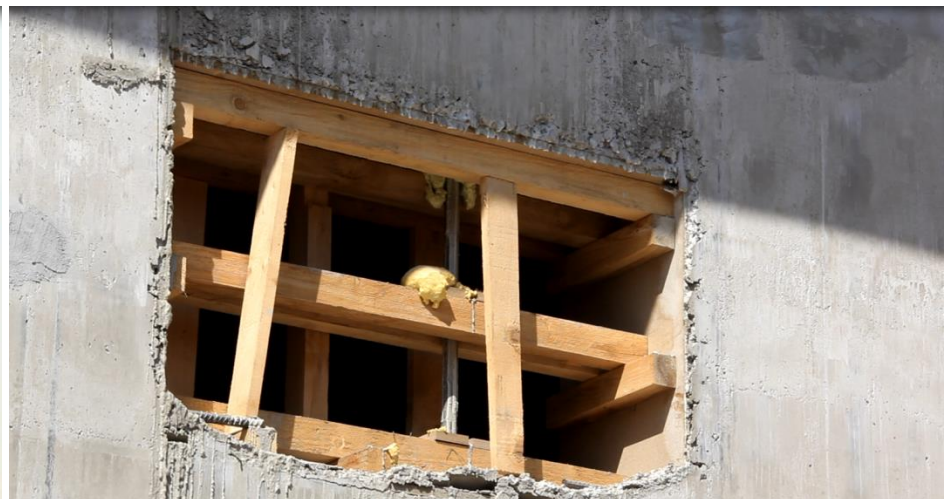
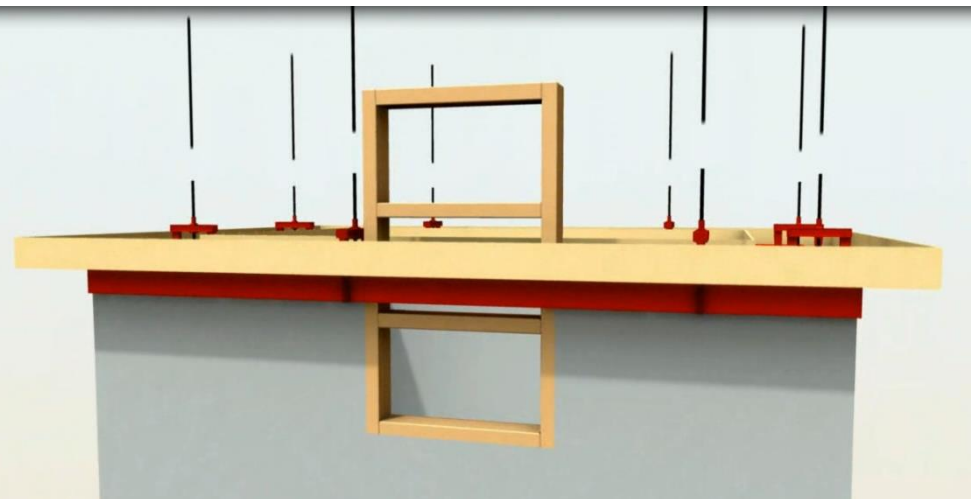


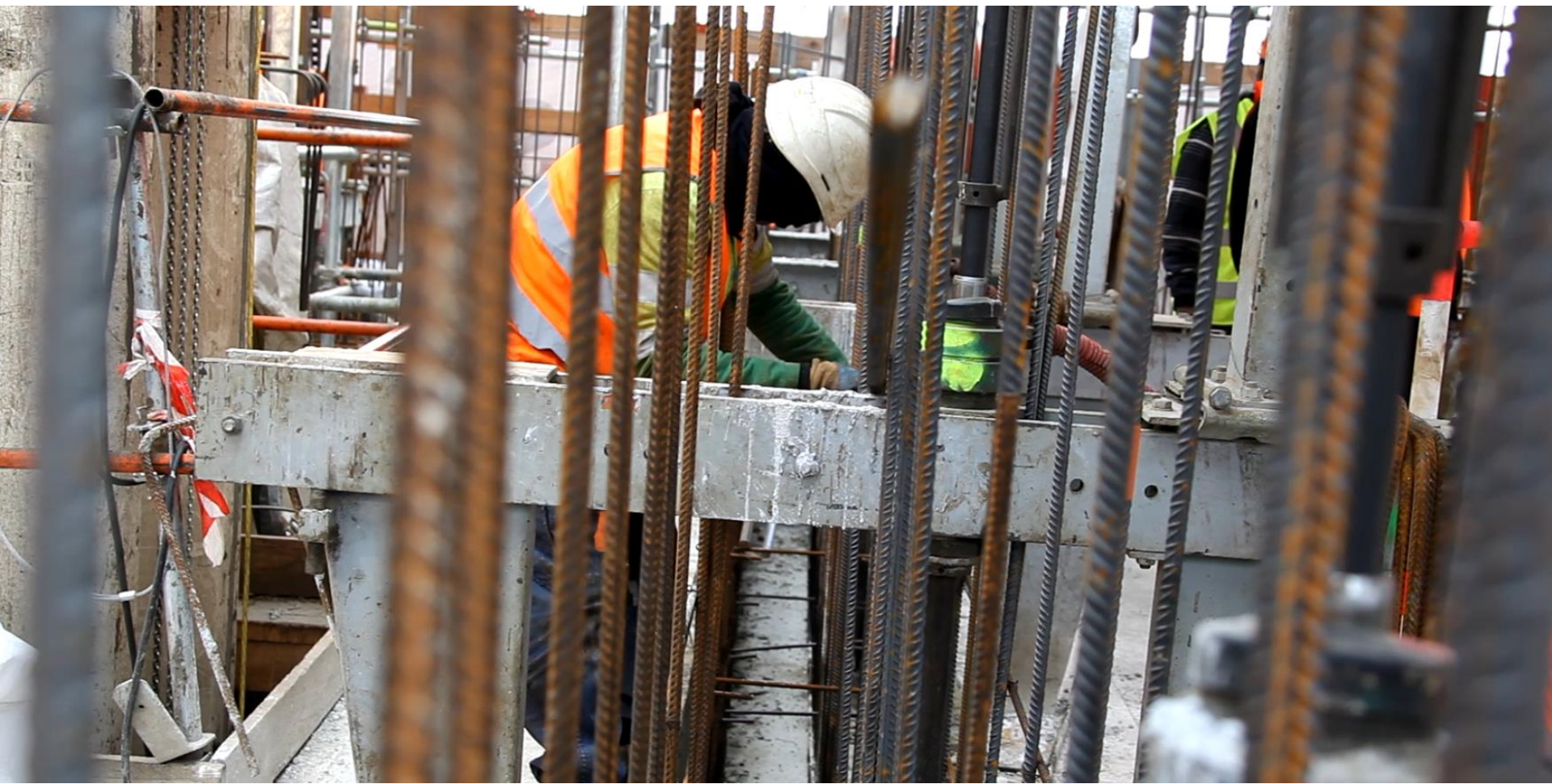
VUE EN ELEVATION

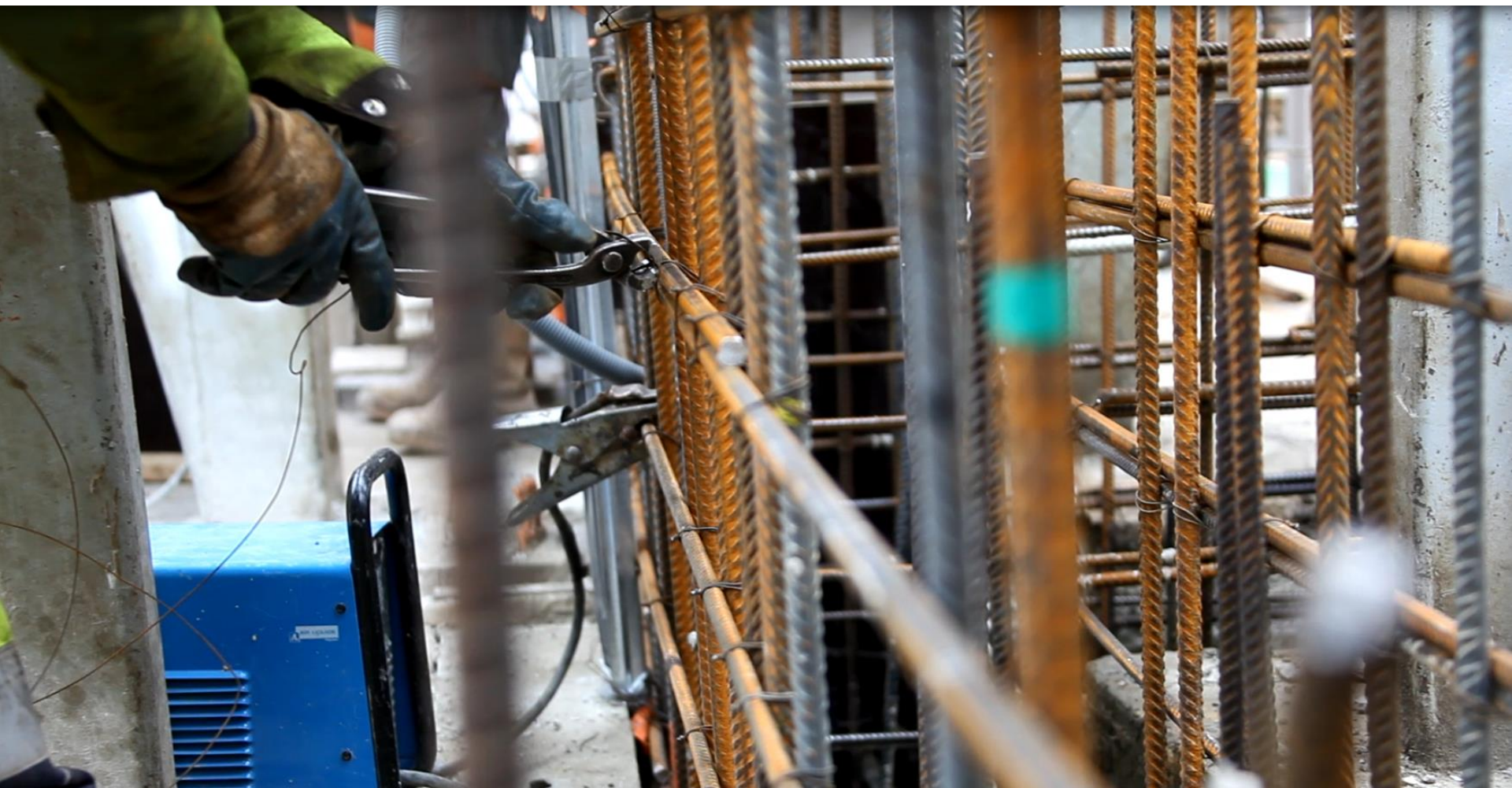


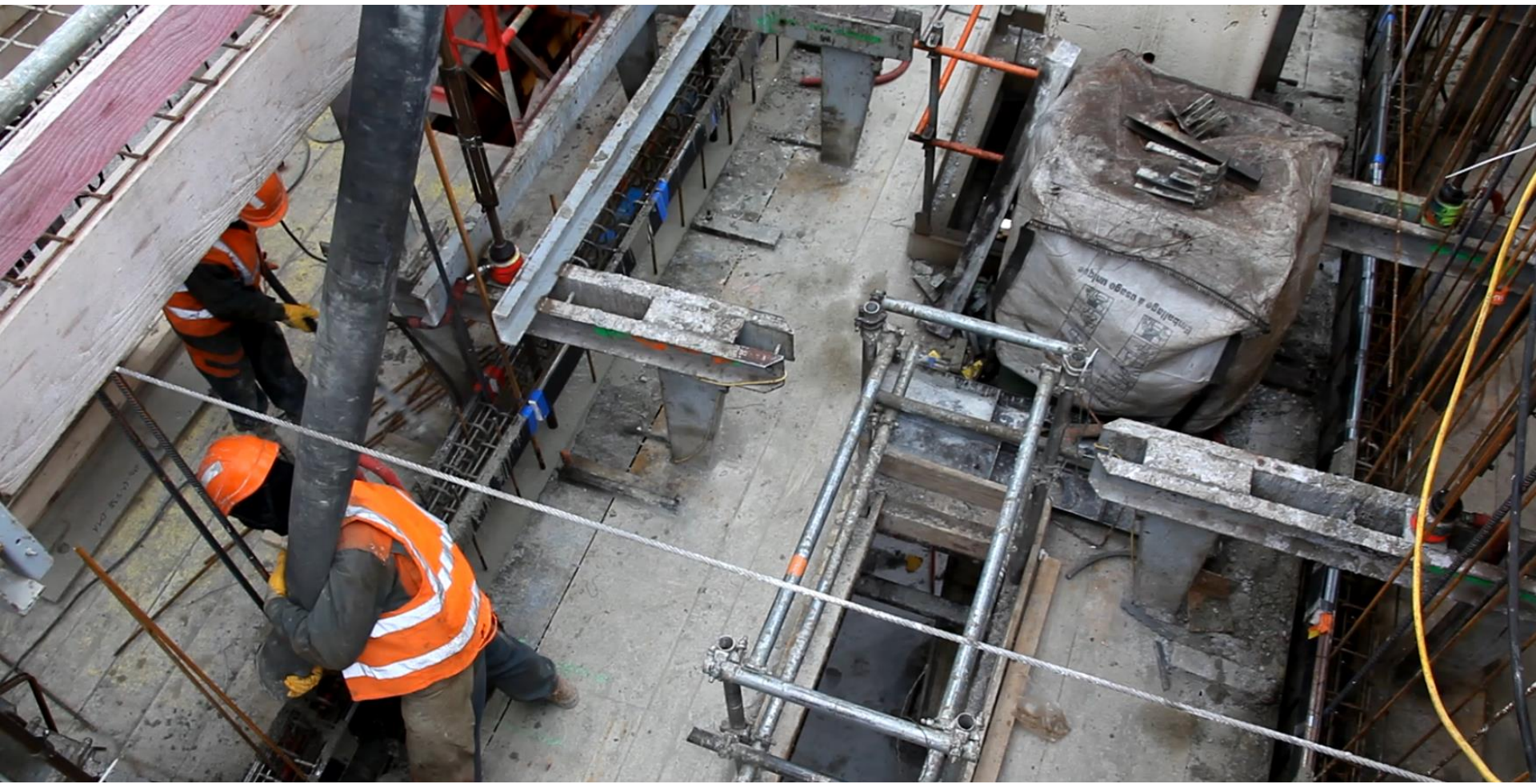




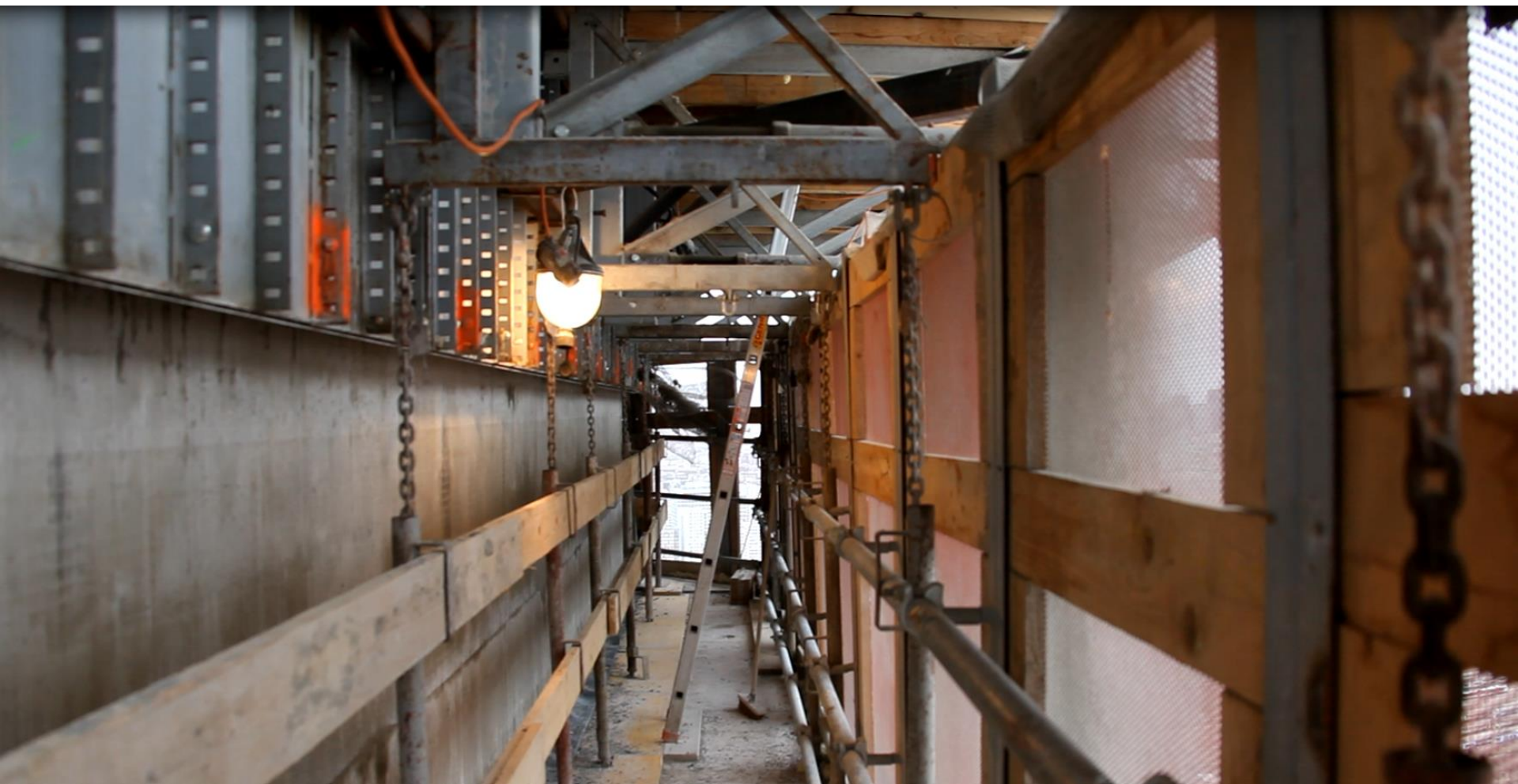








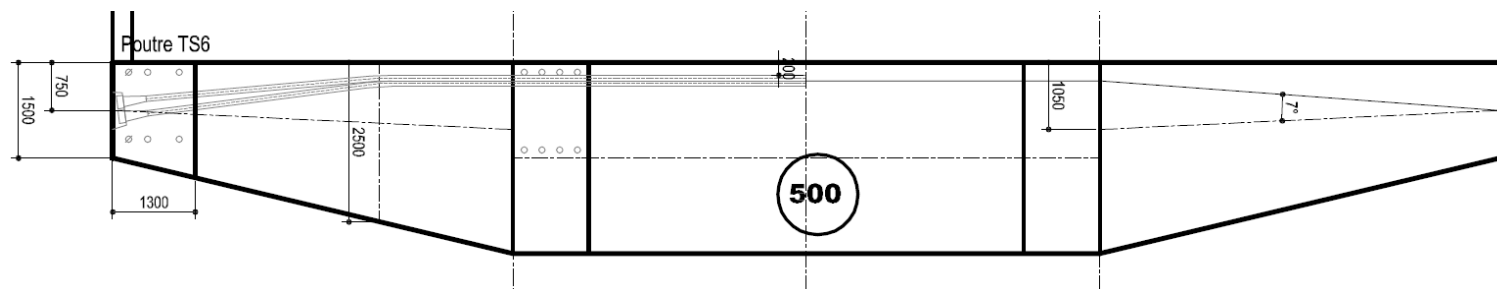


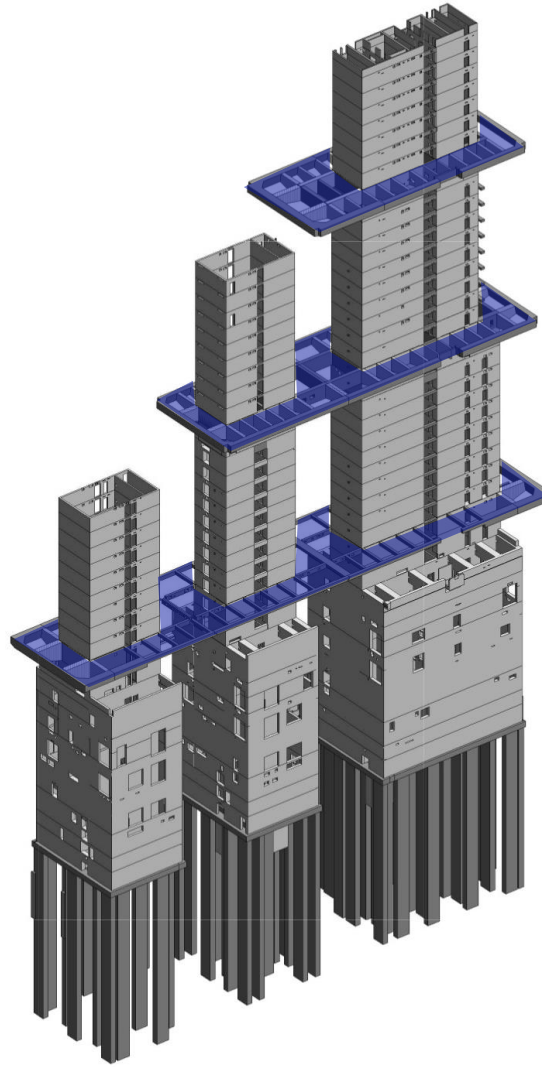


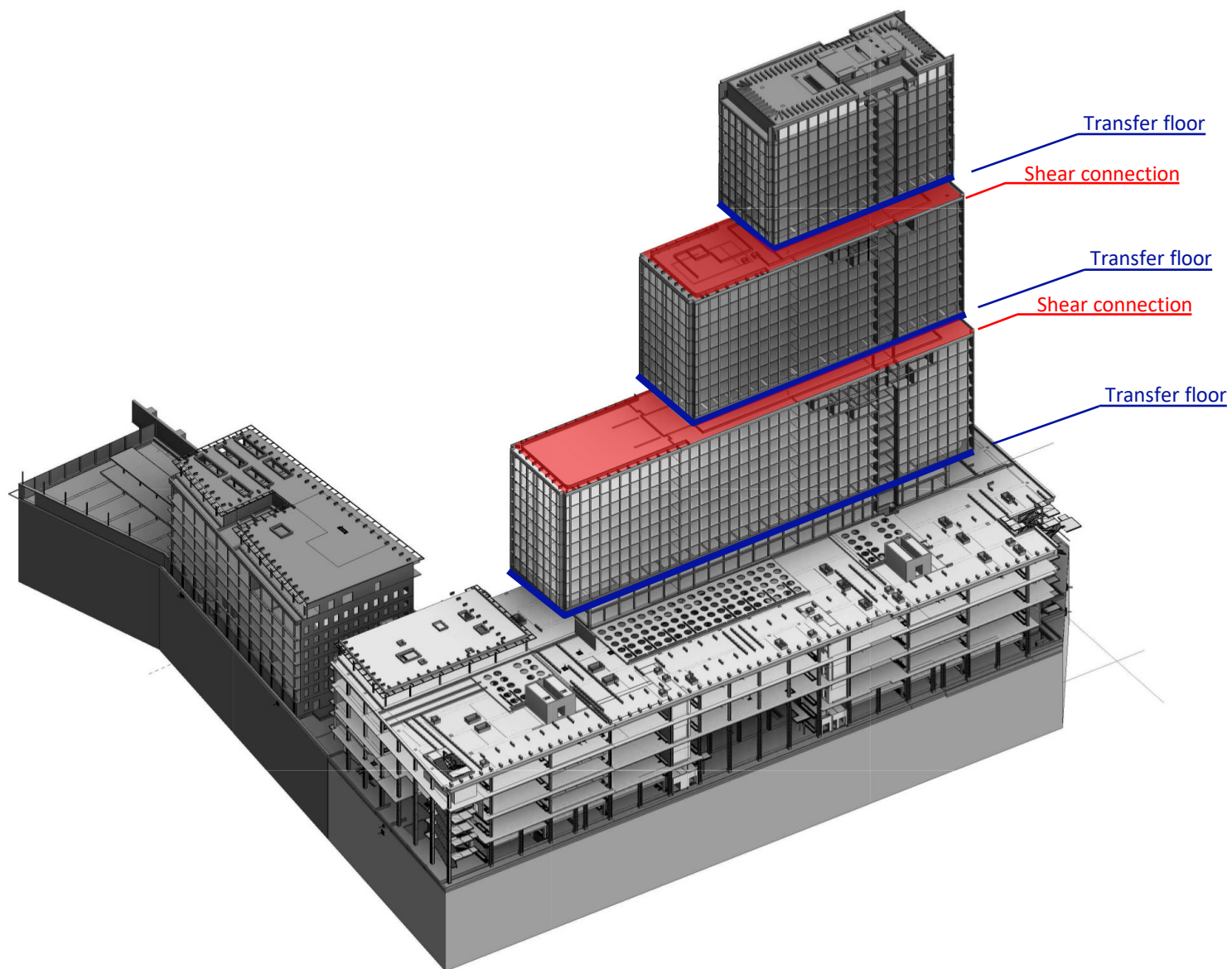


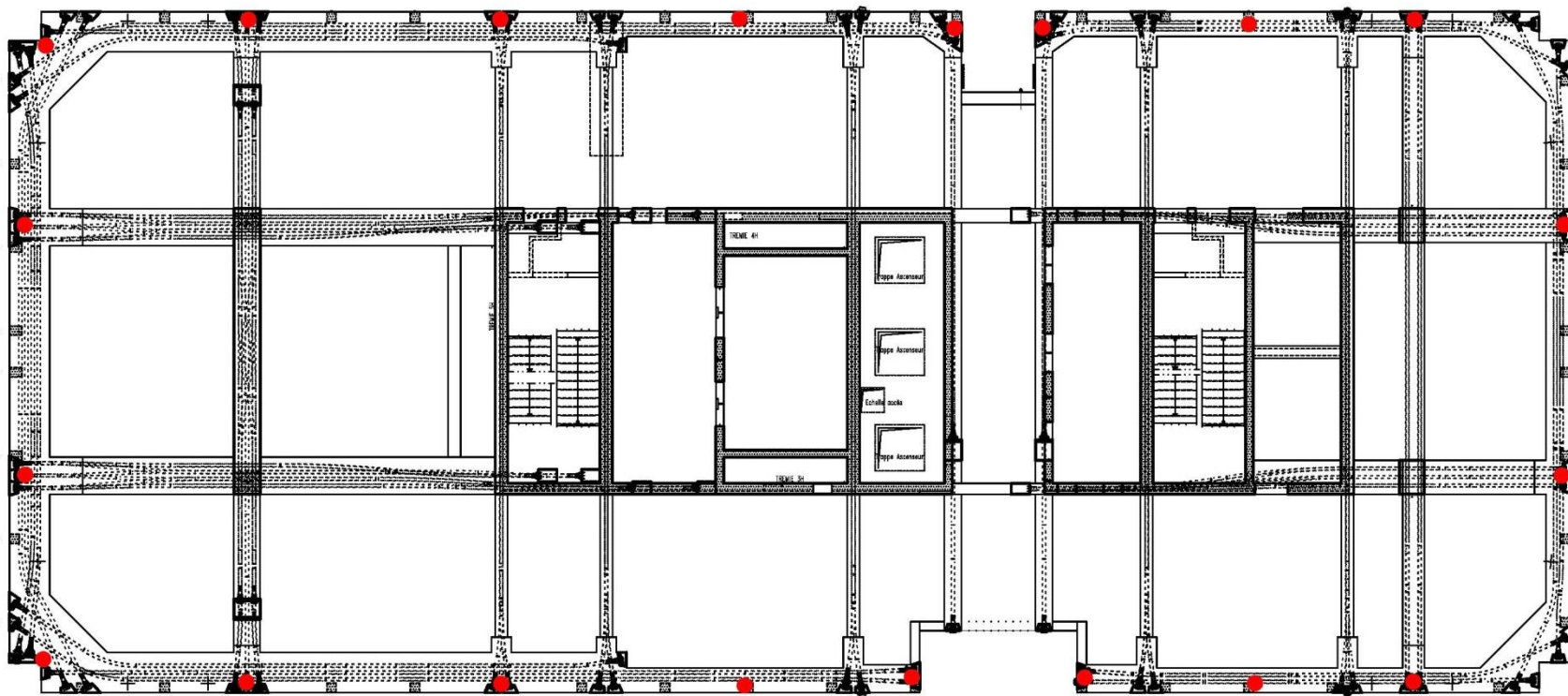
SUPERSTRUCTURE
-Tailles de guêpe-

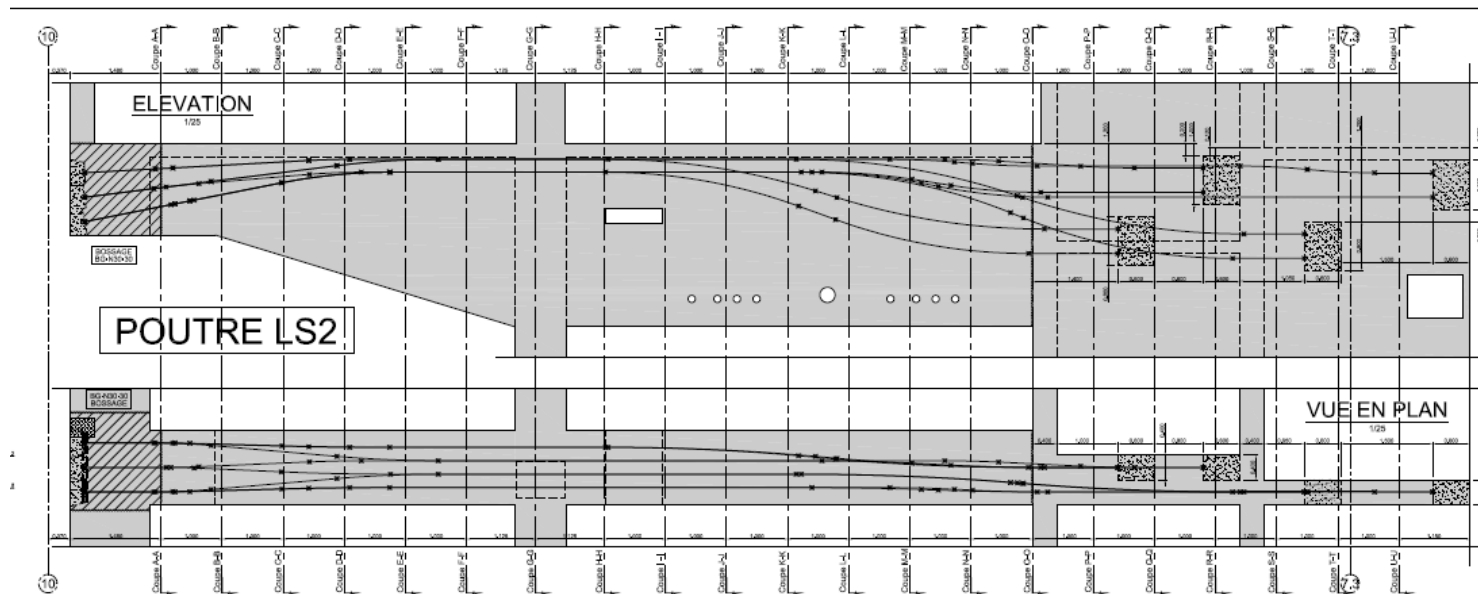
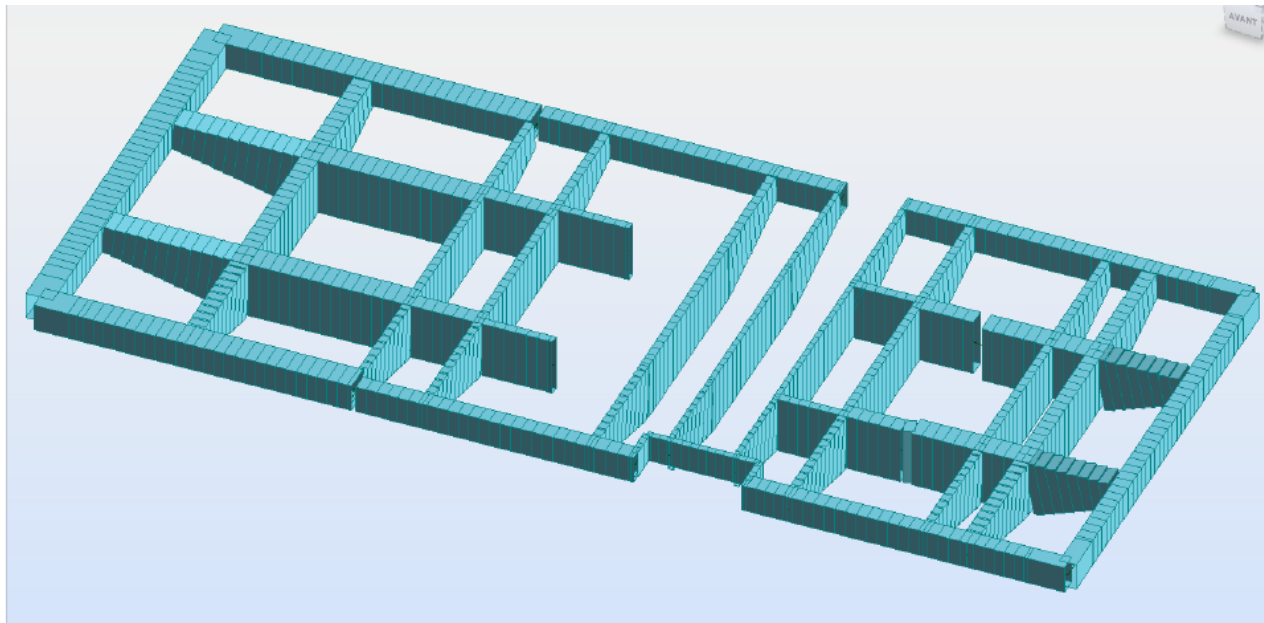








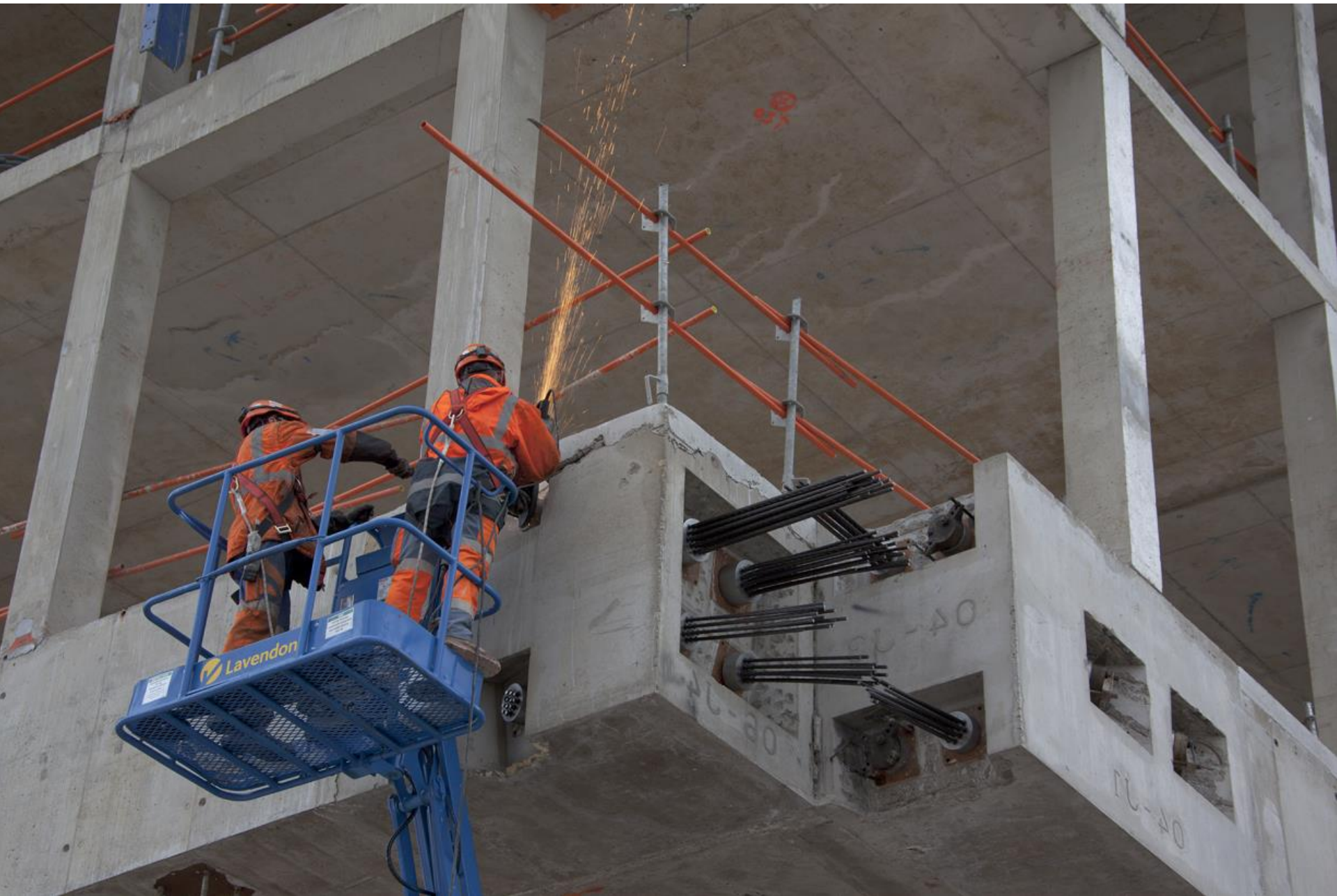




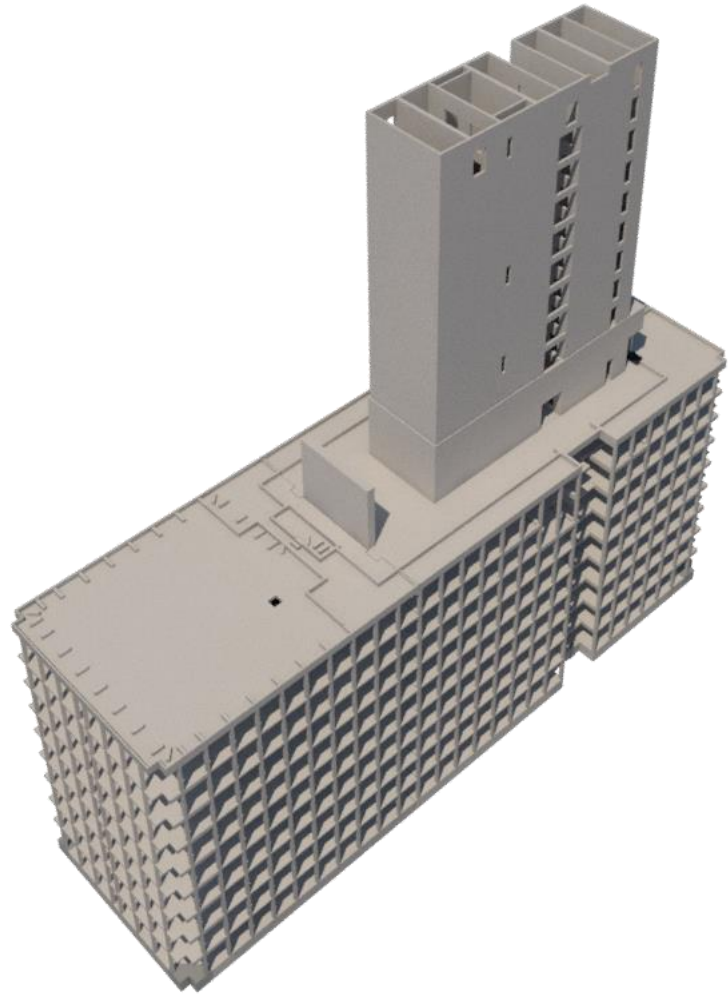


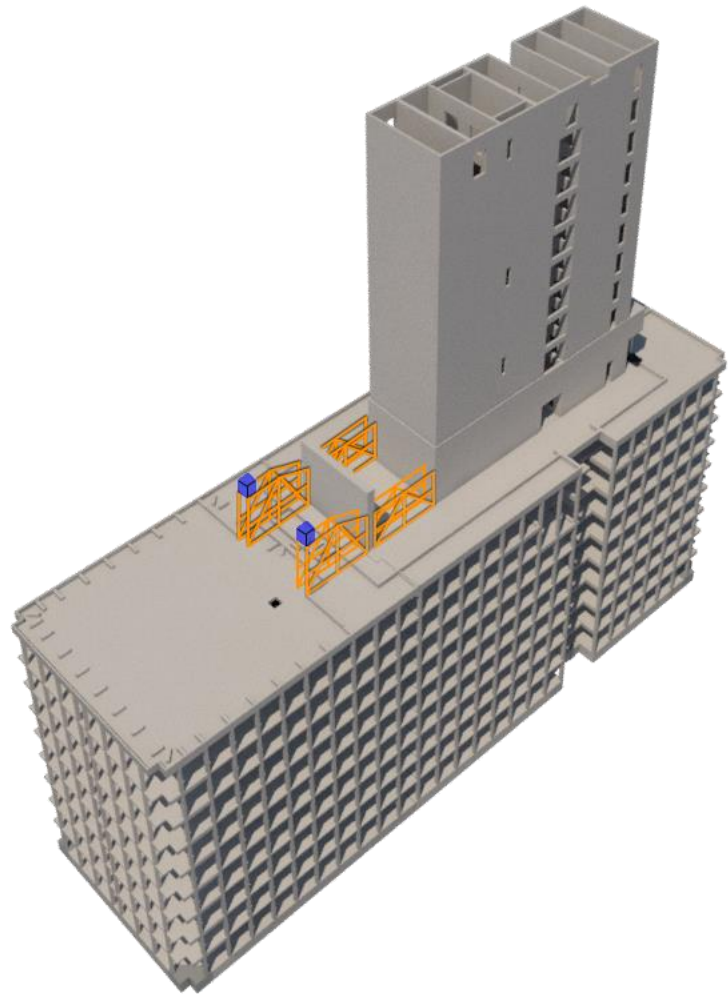


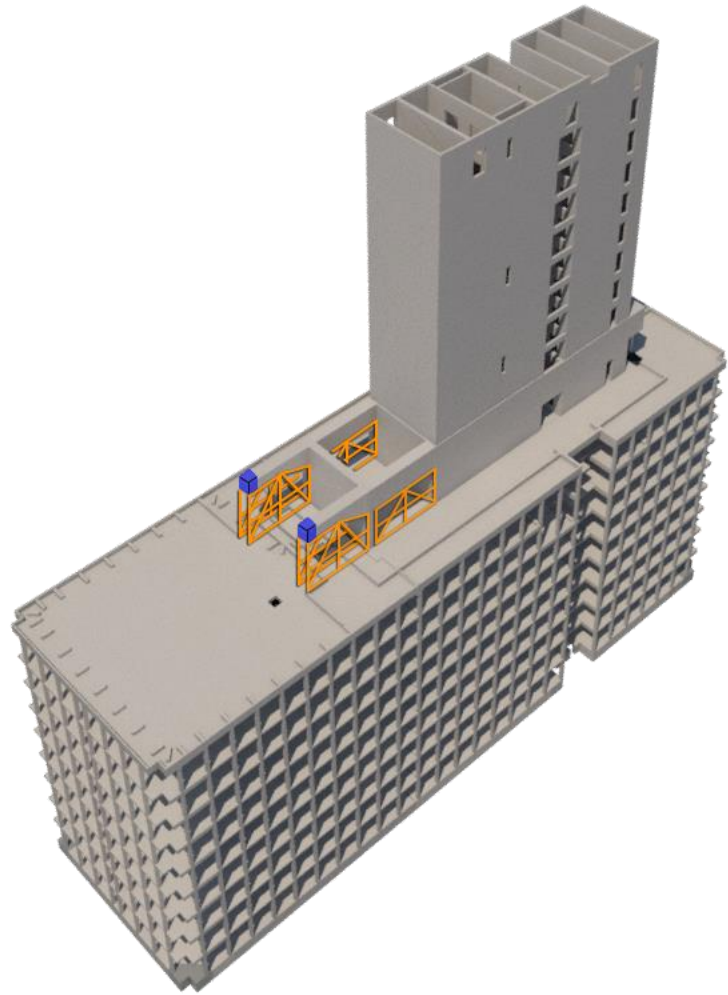


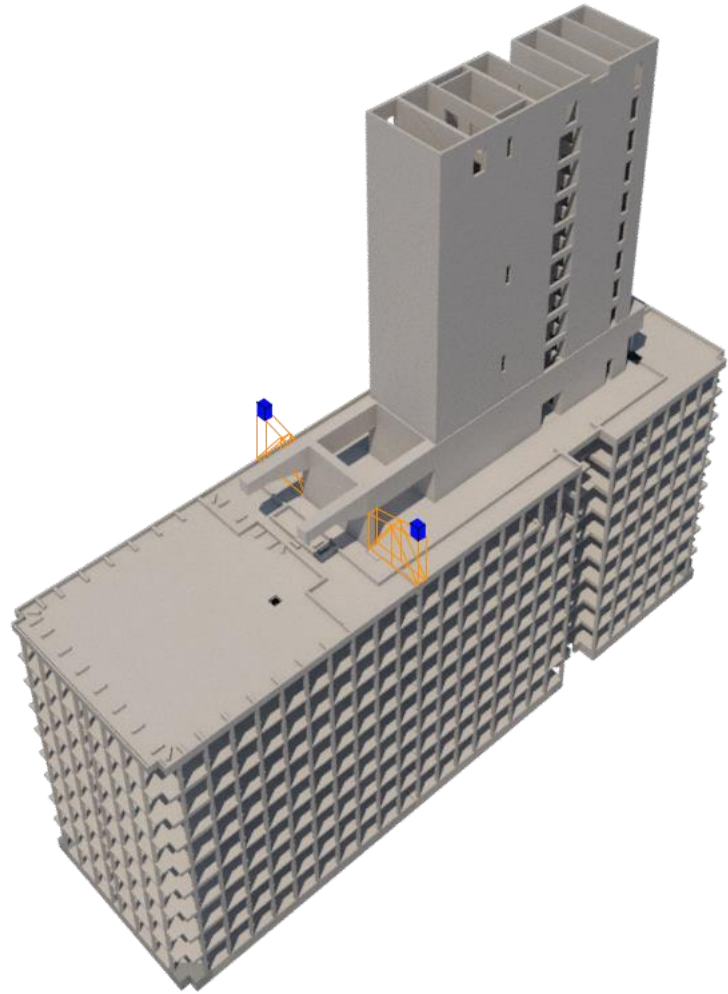


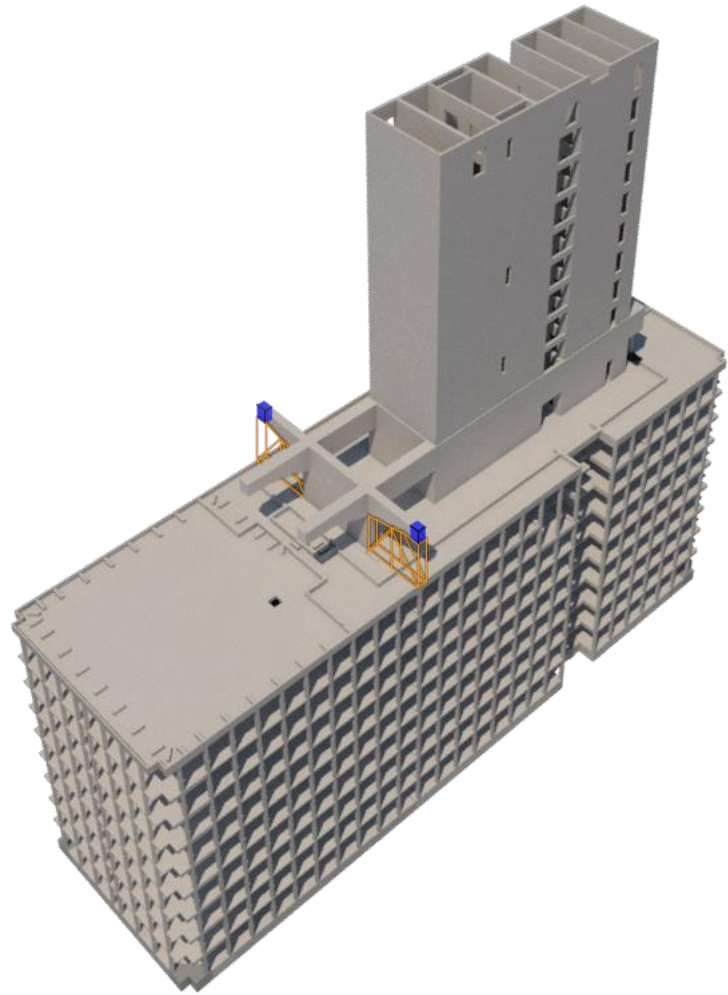


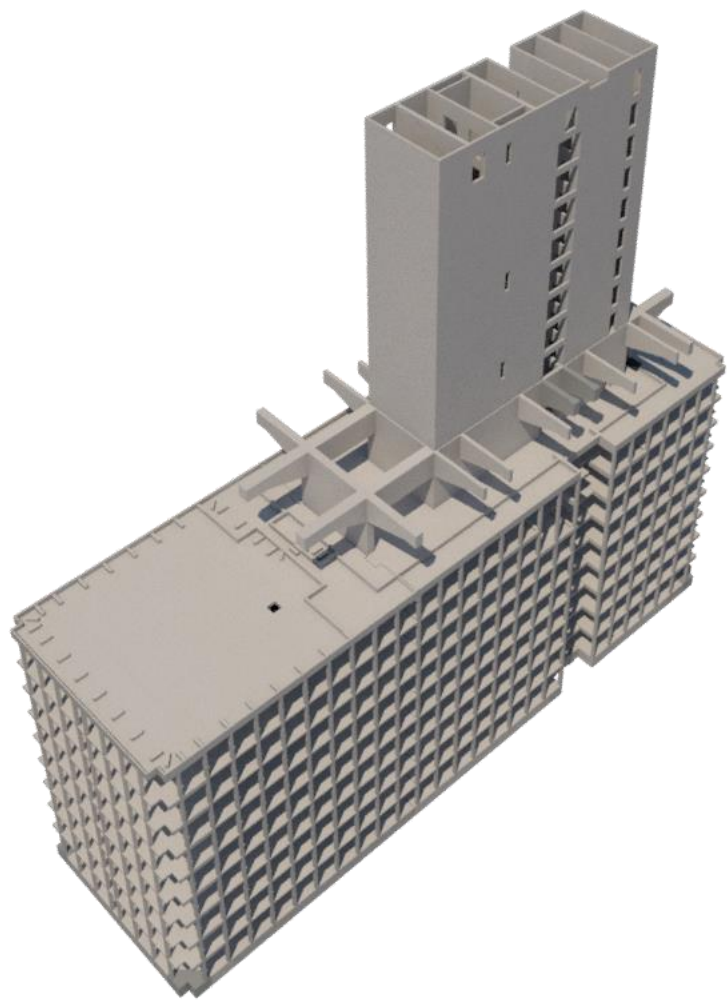


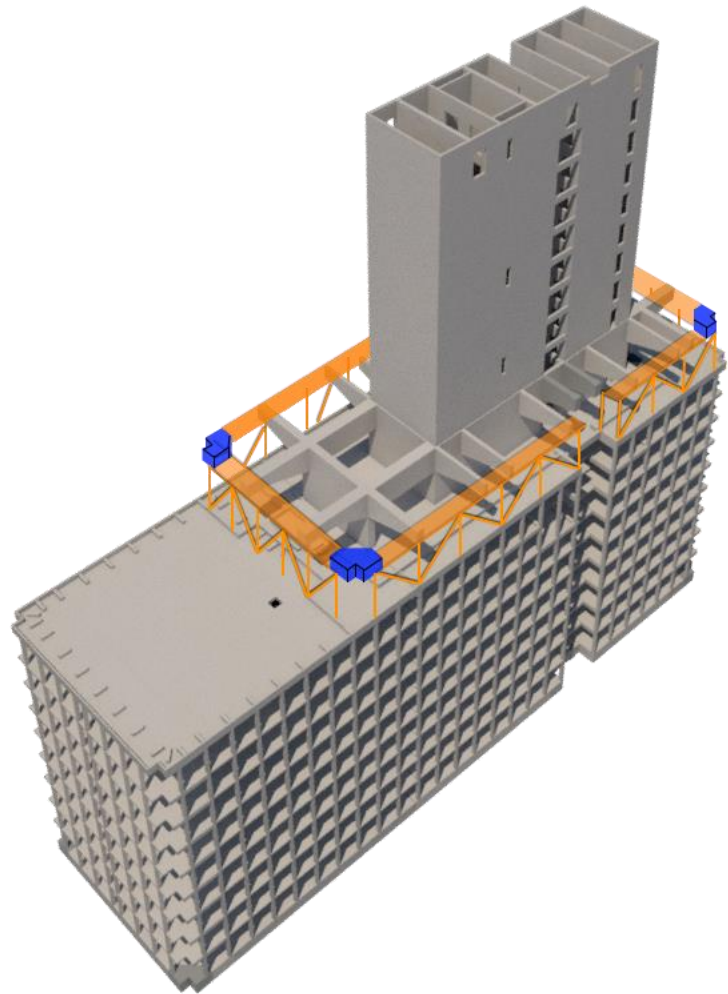


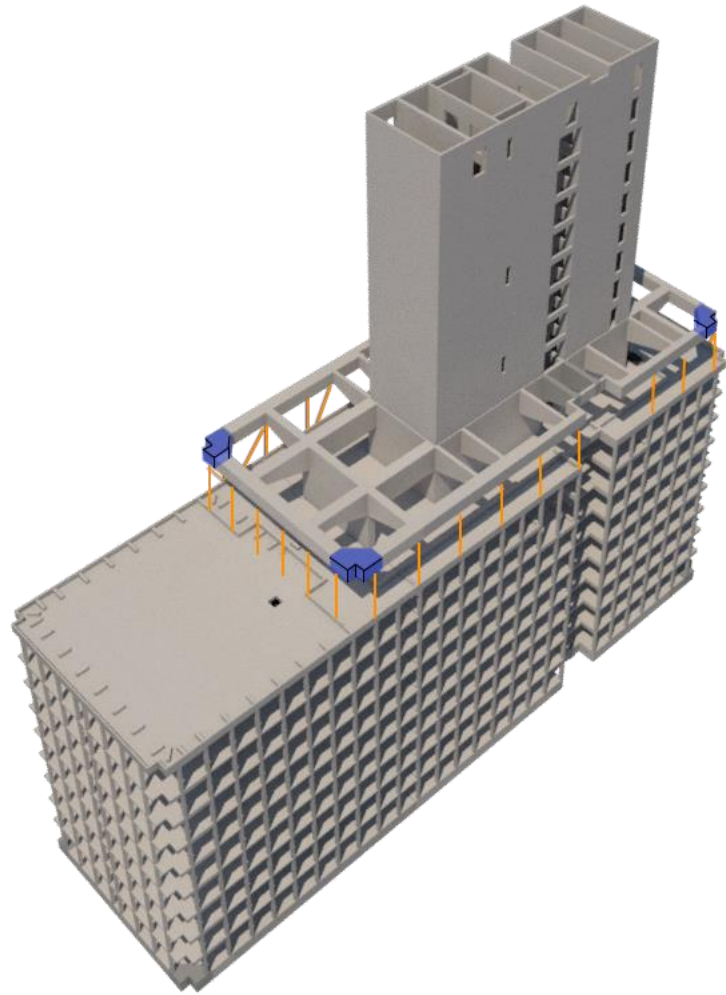


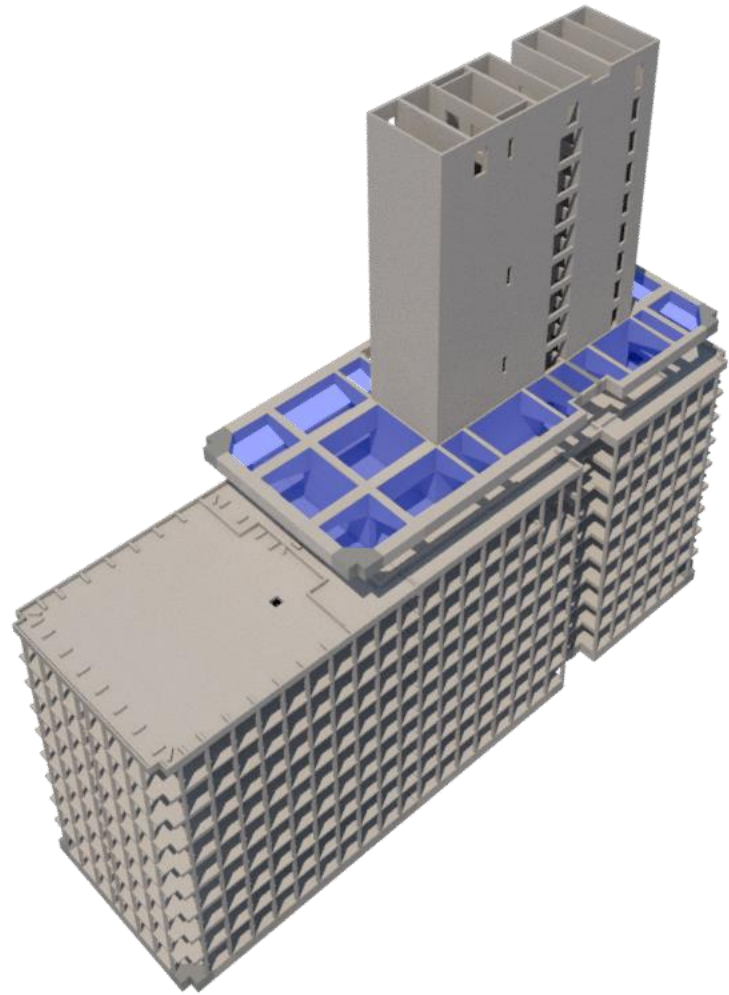


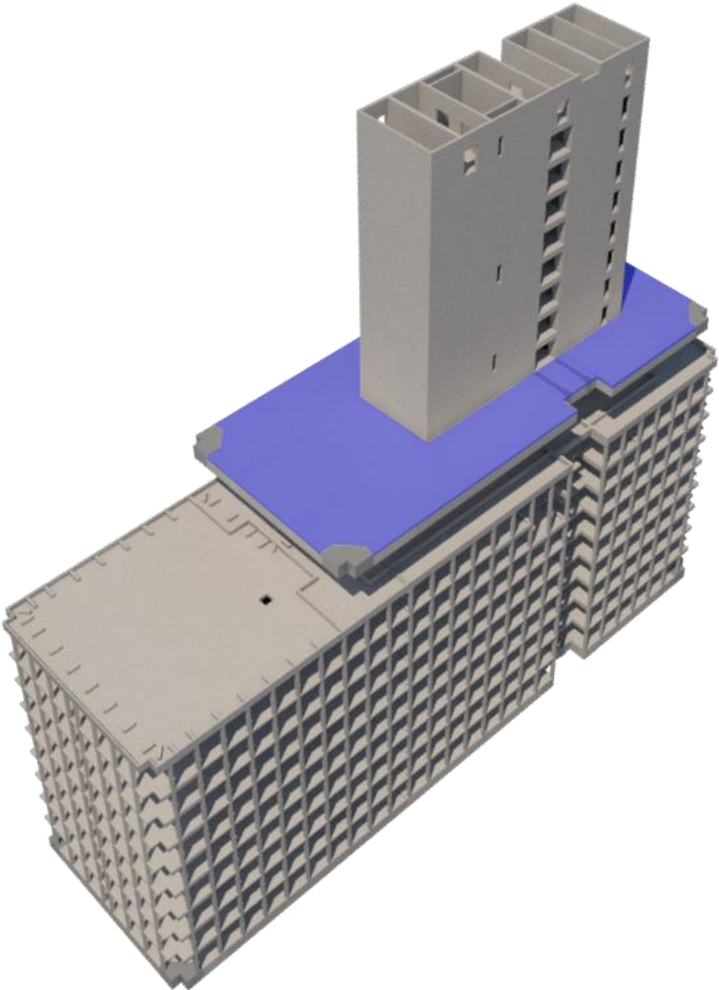


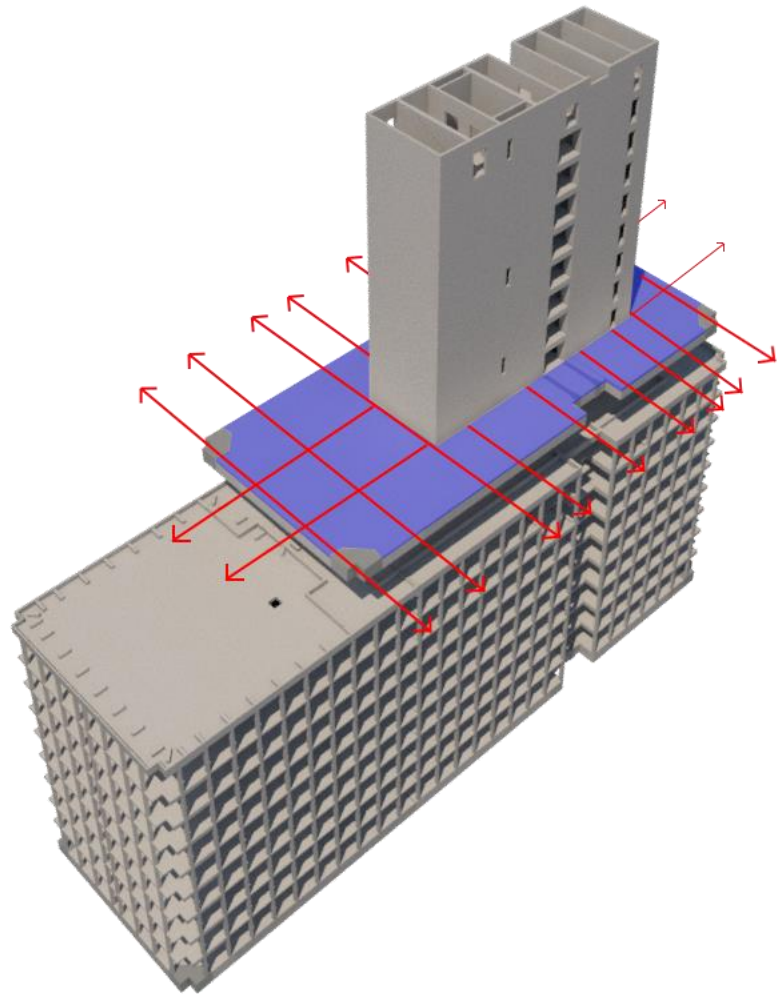


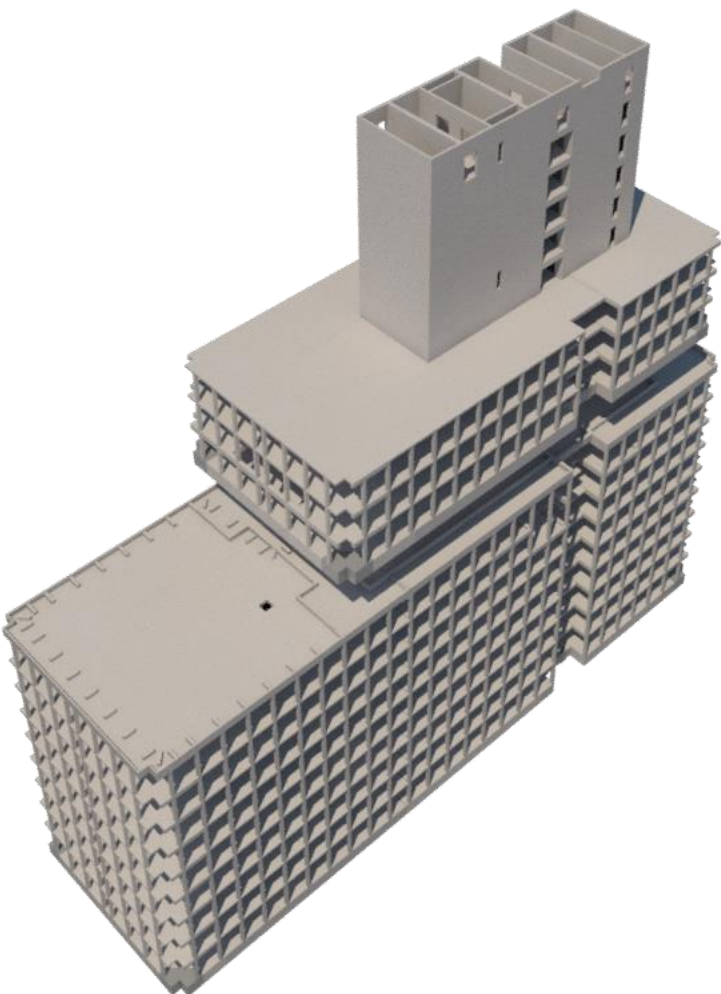


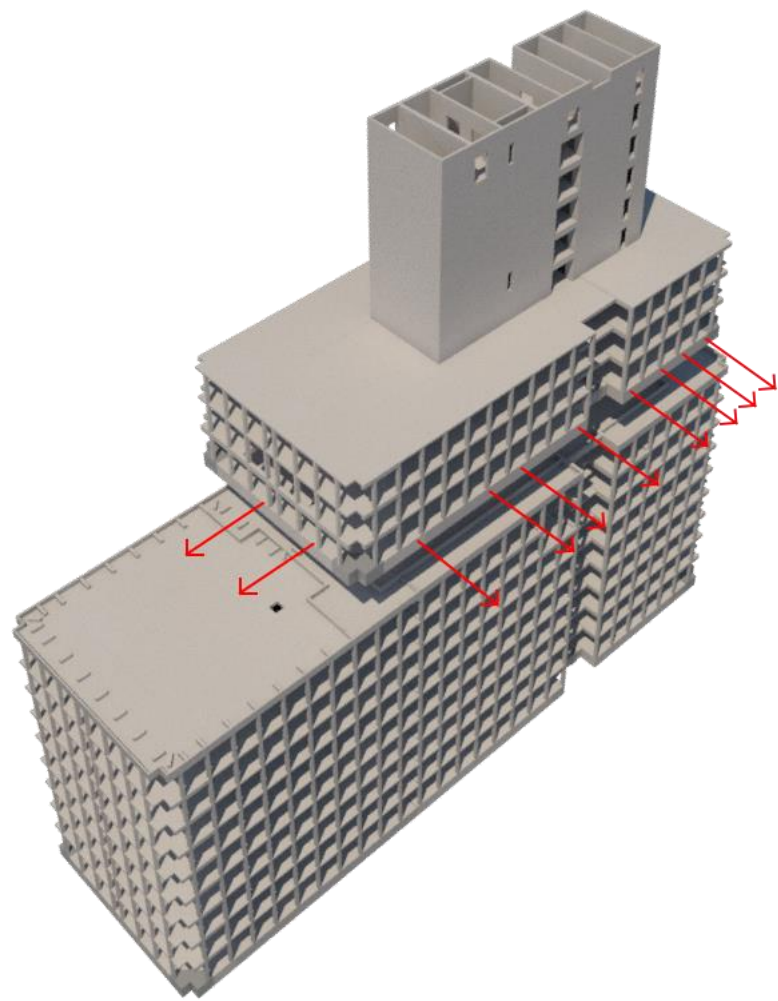


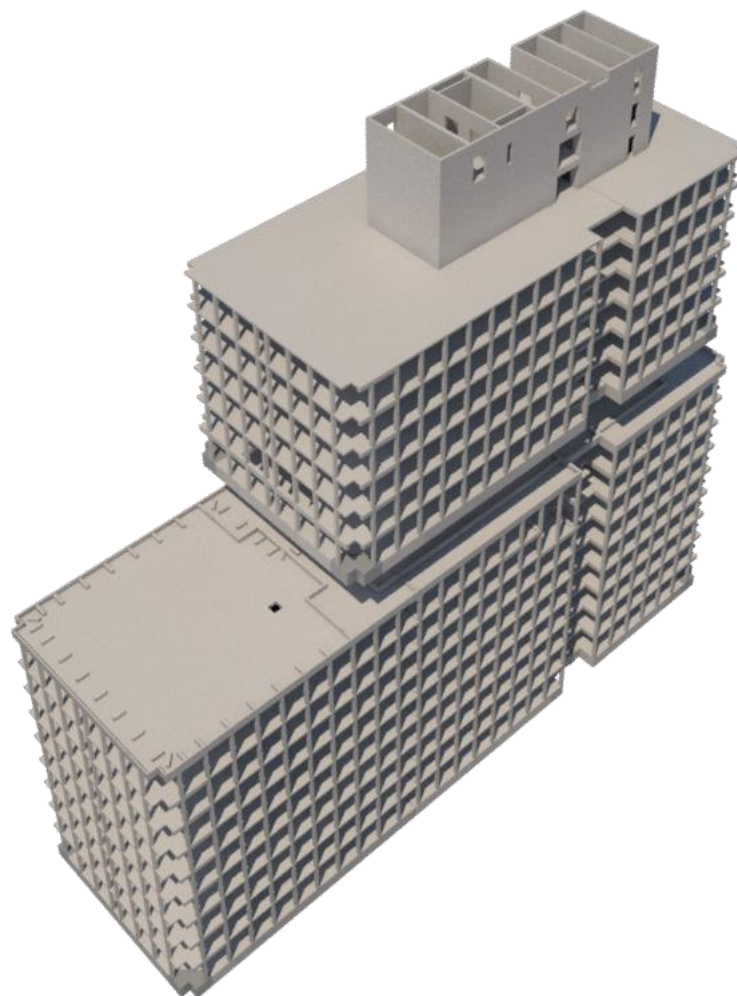


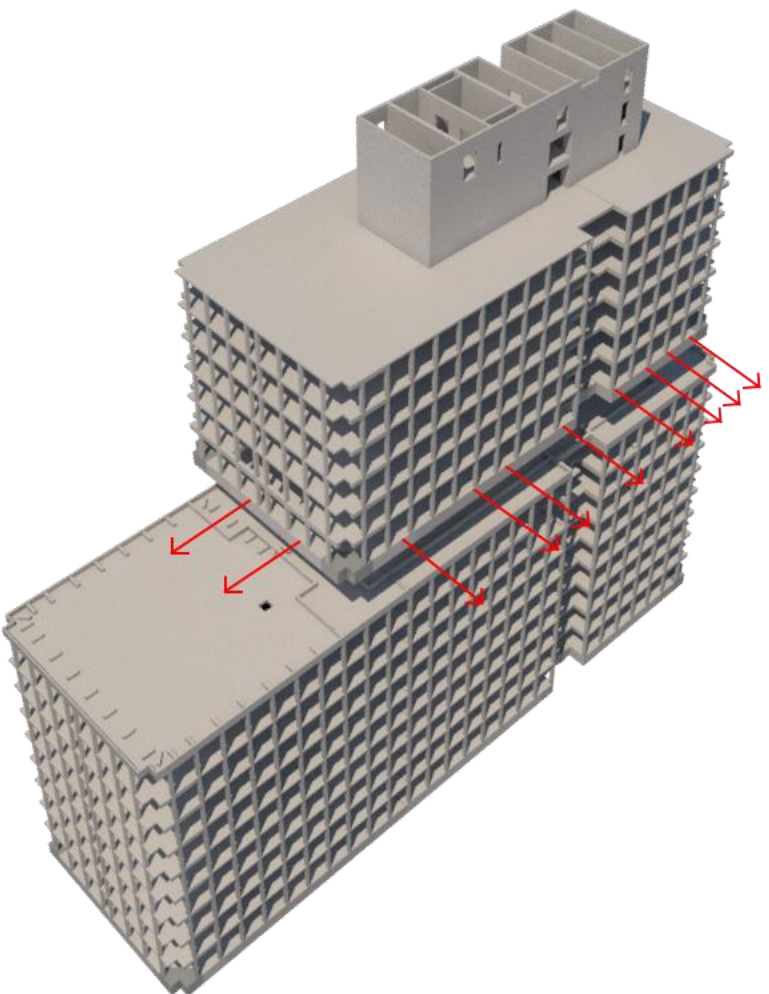


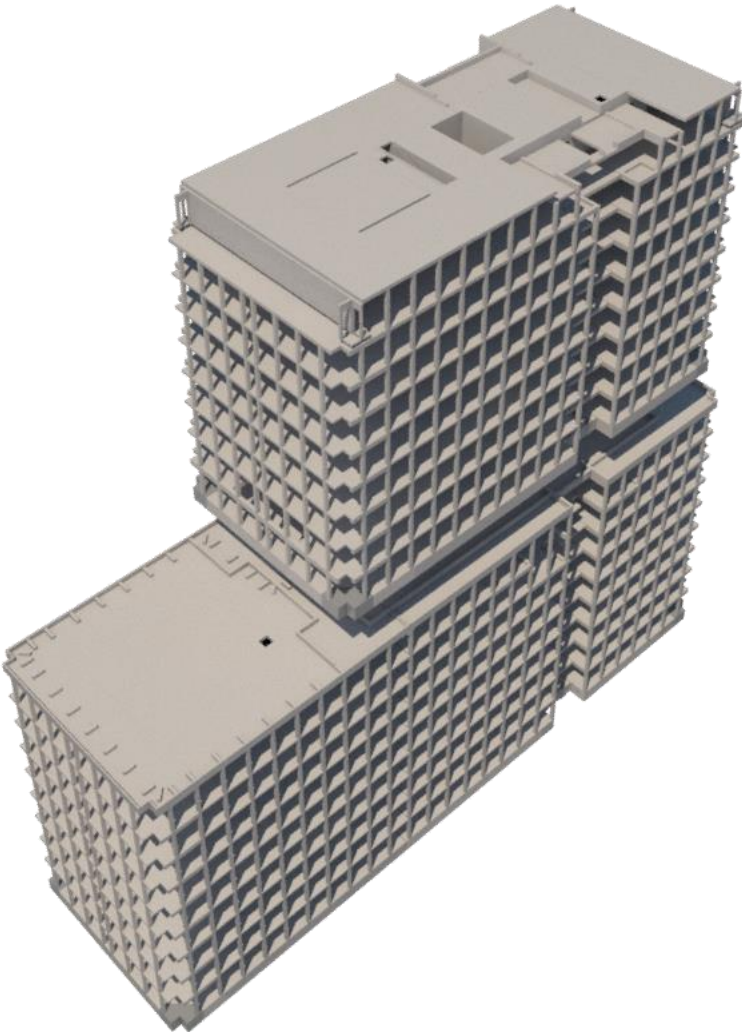


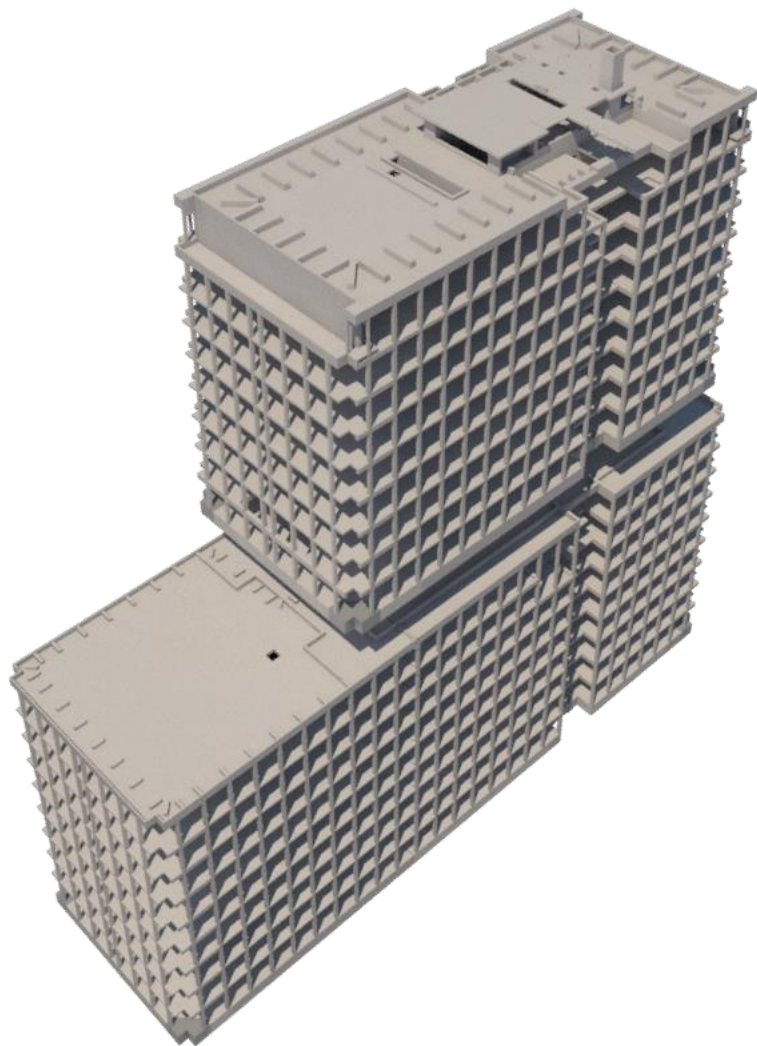








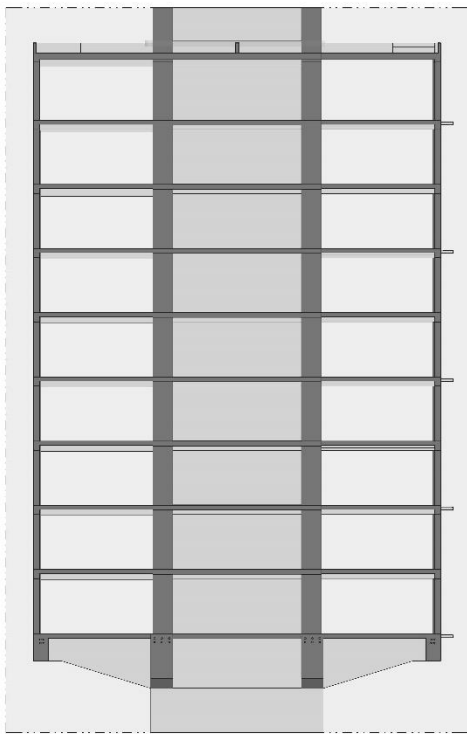


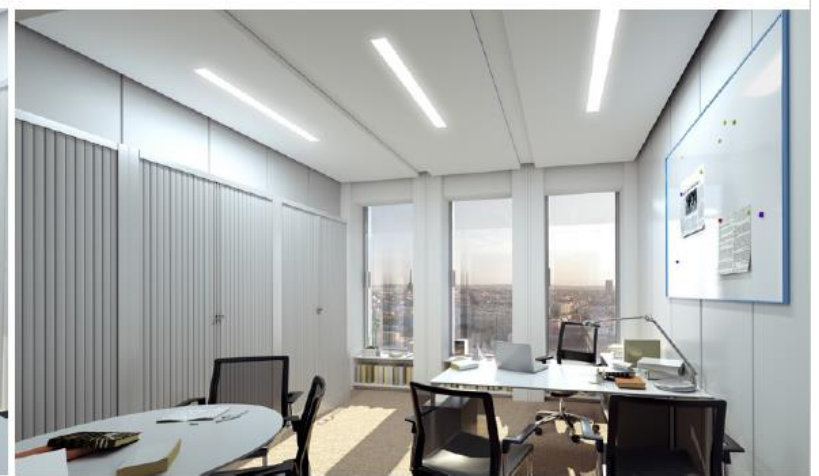


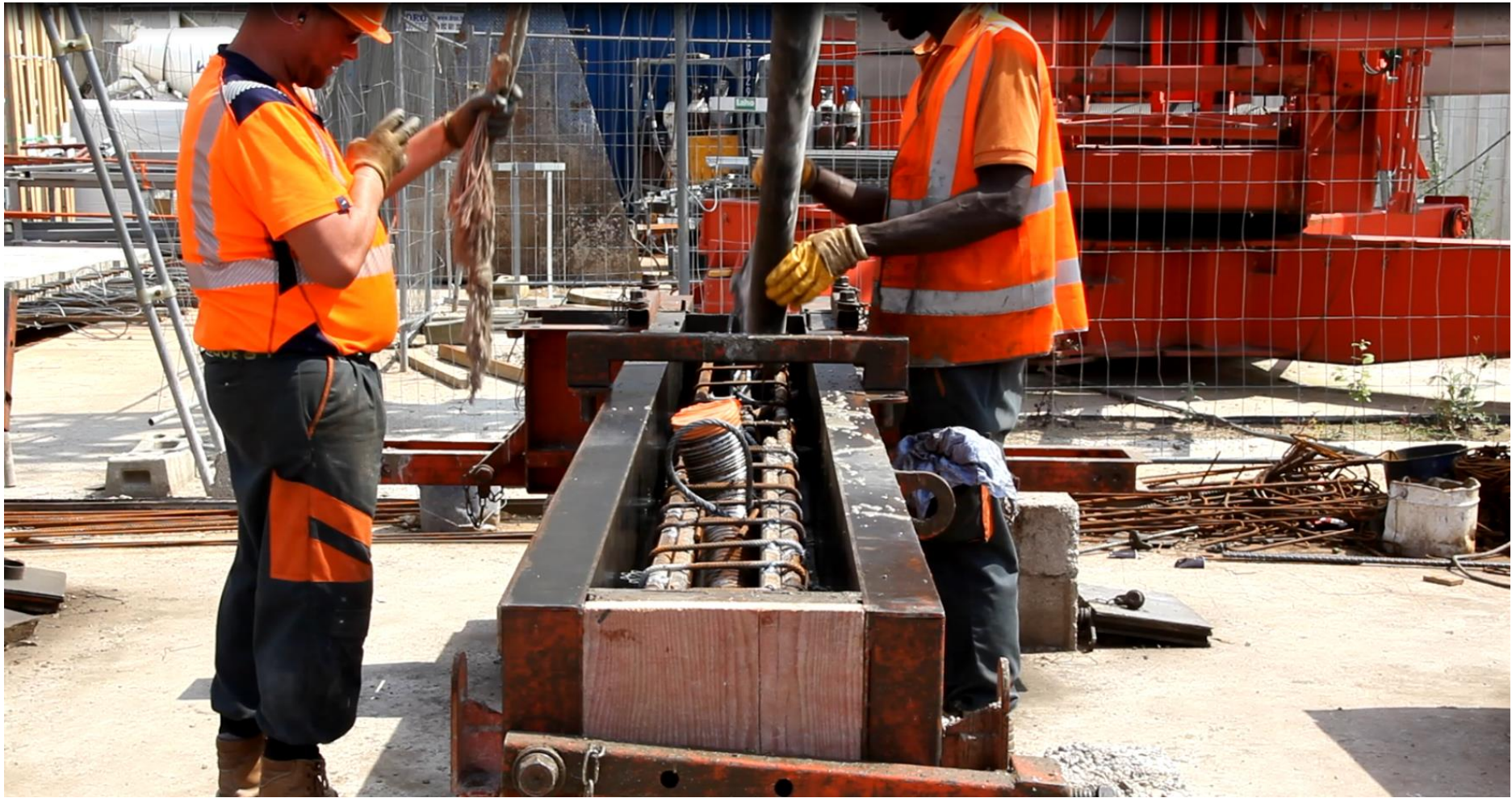




SUPERSTRUCTURE
- Poteaux de façade -



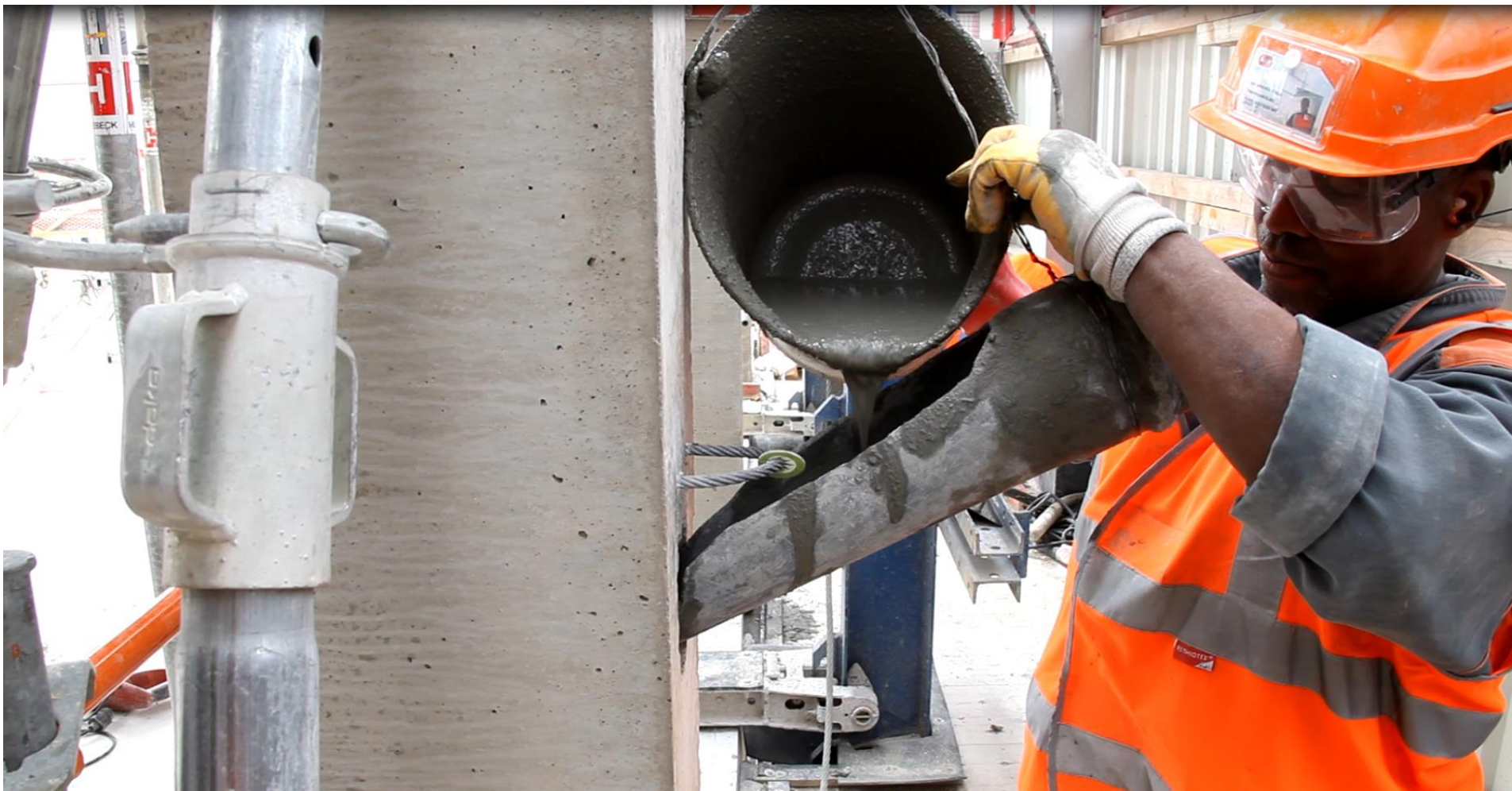


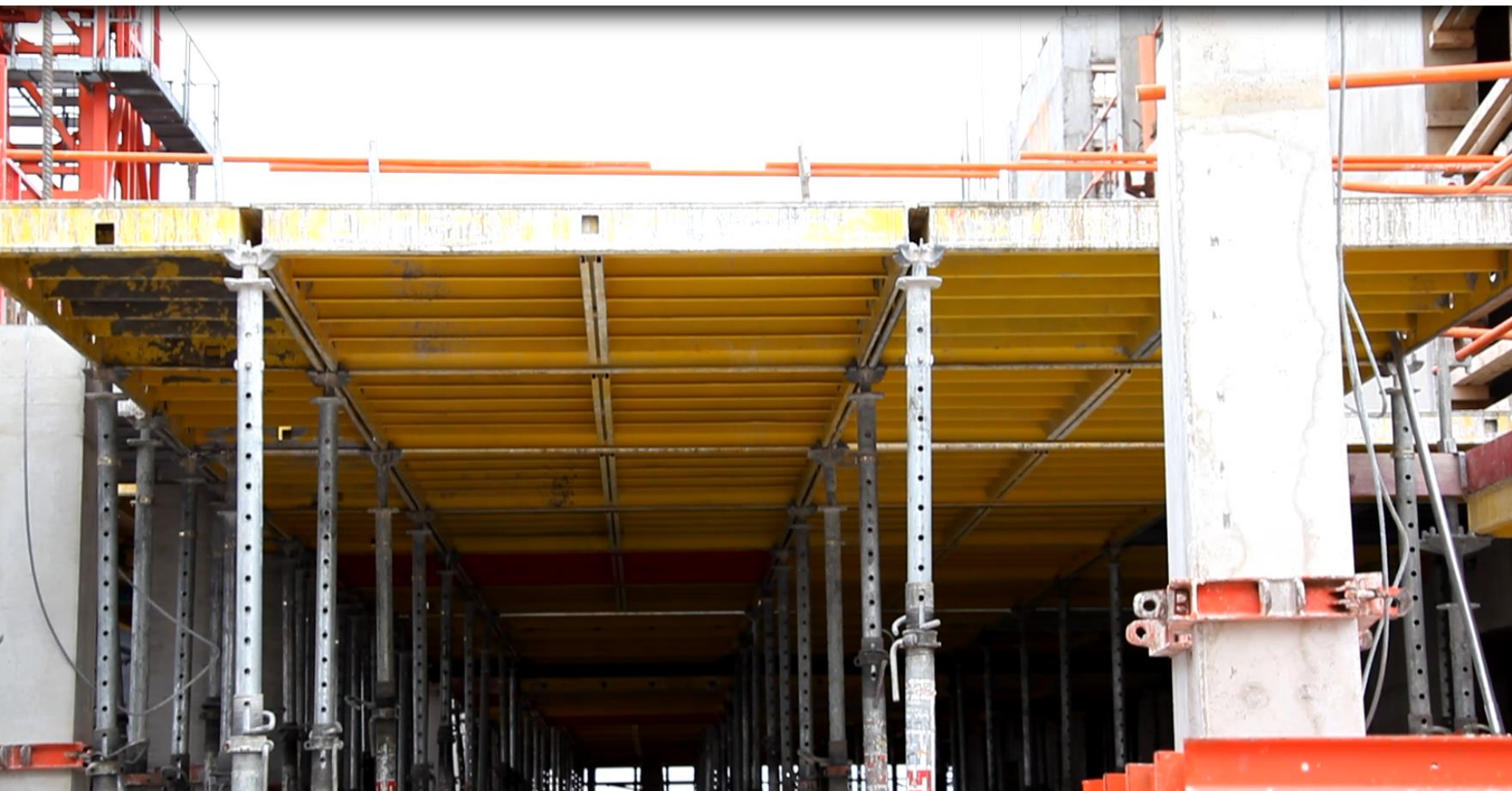






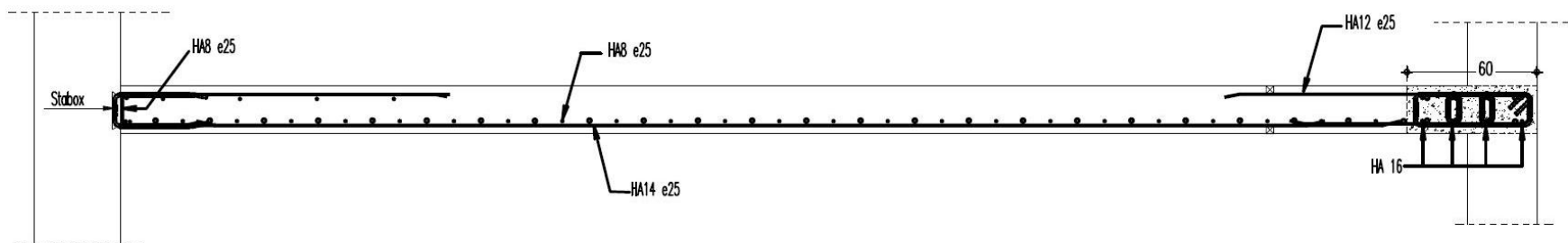




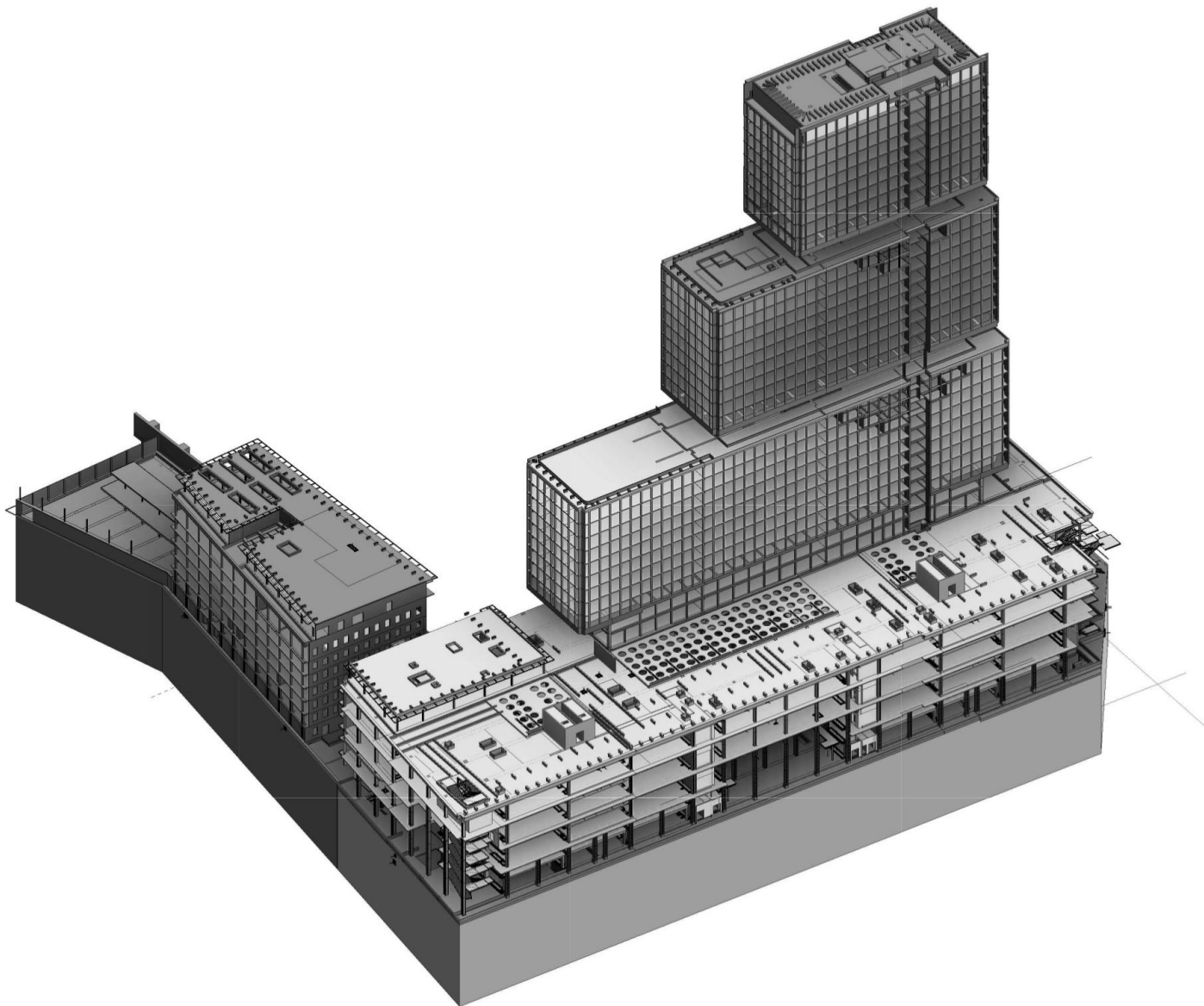


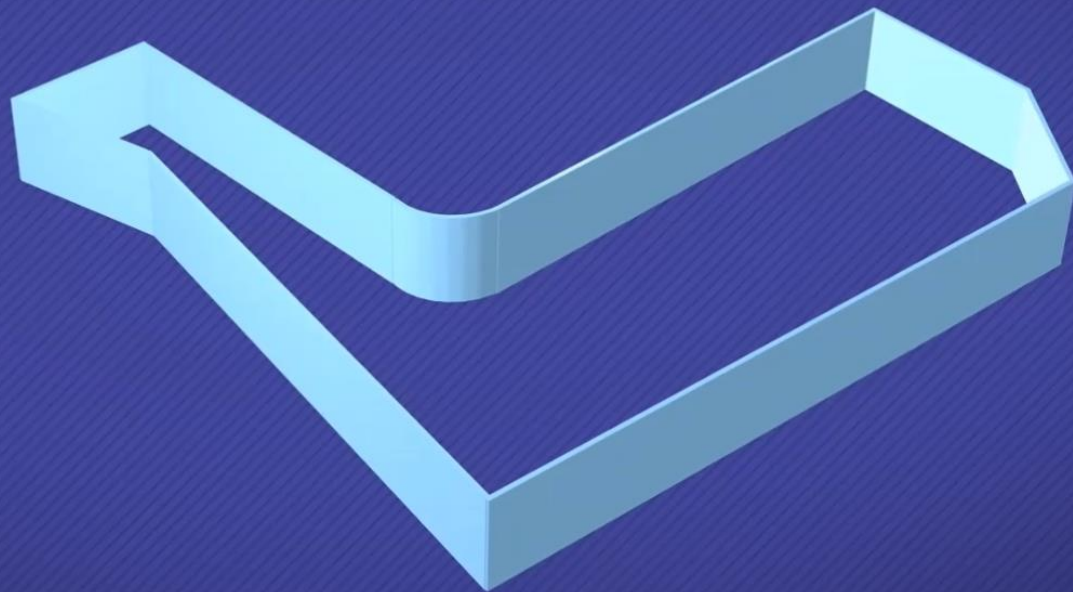
Côté Noyau

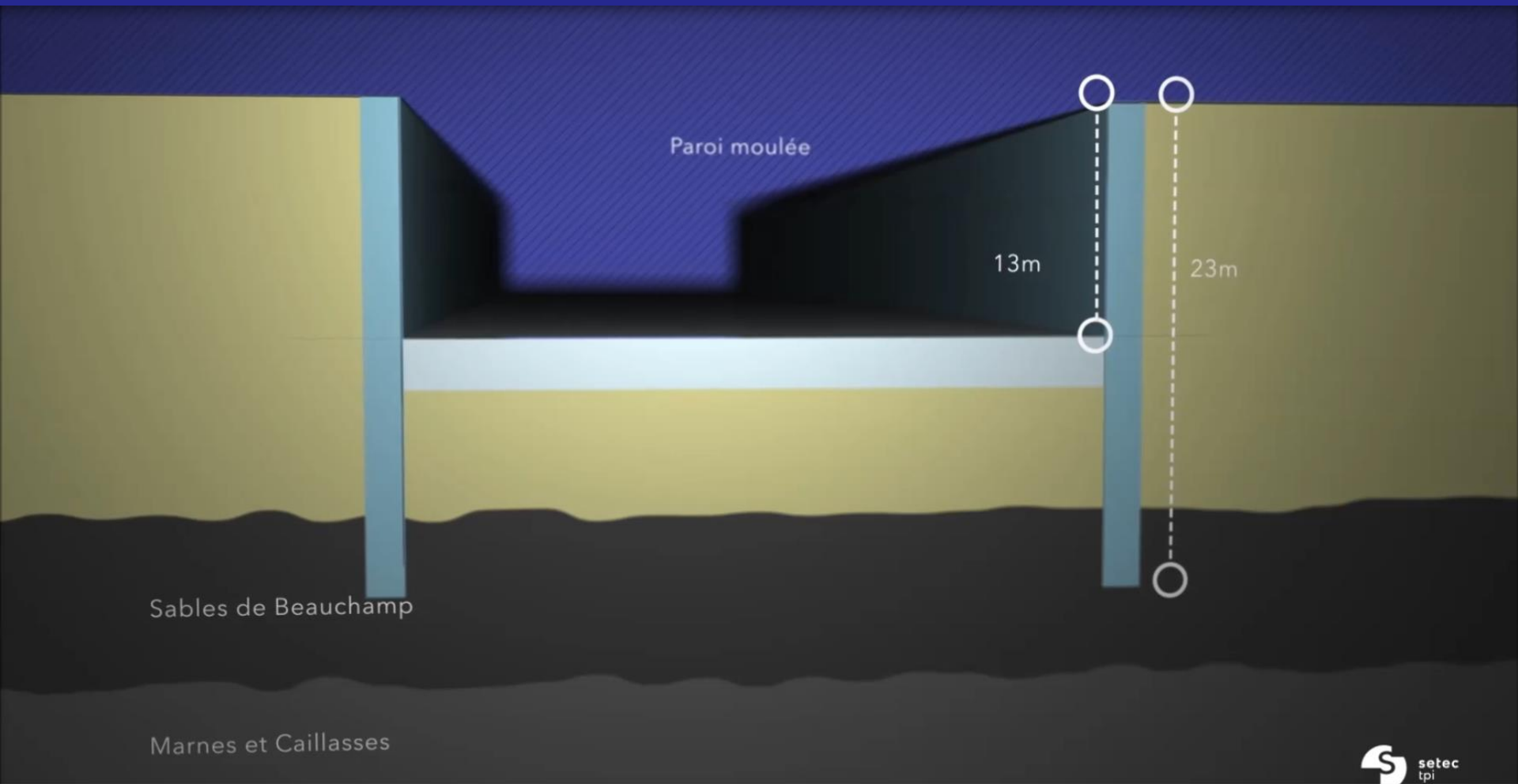
Côté façade



INFRASTRUCTURE
- Paroi moulée



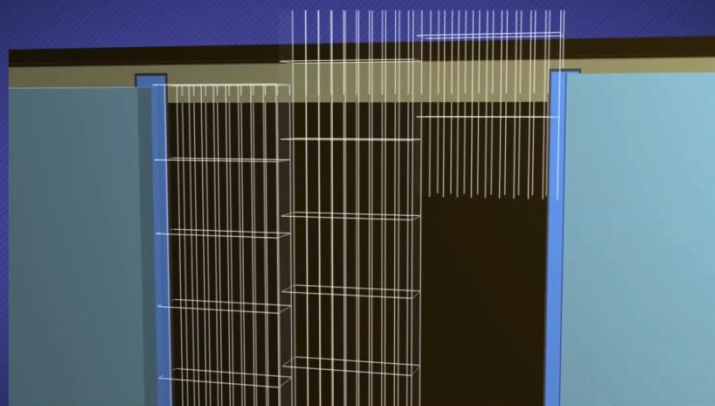
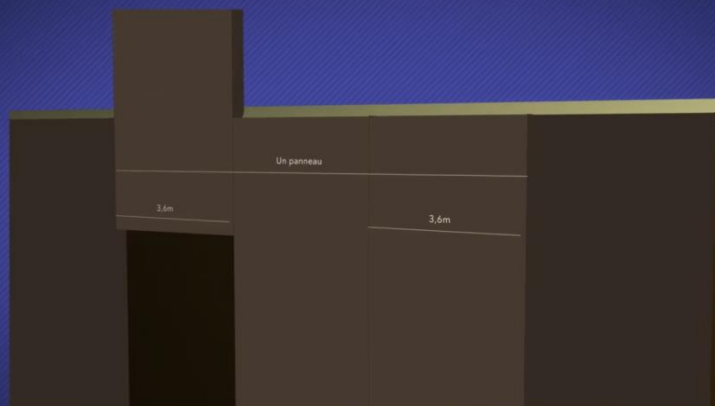


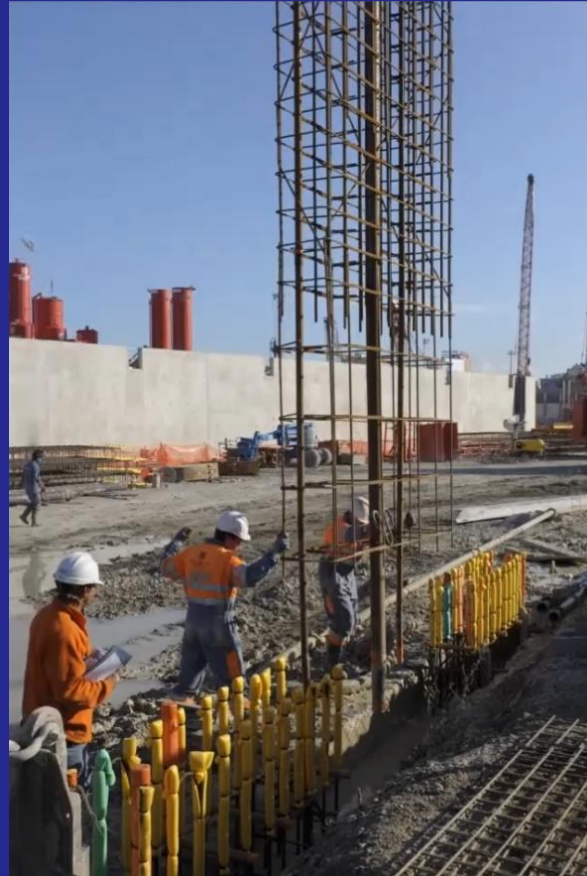
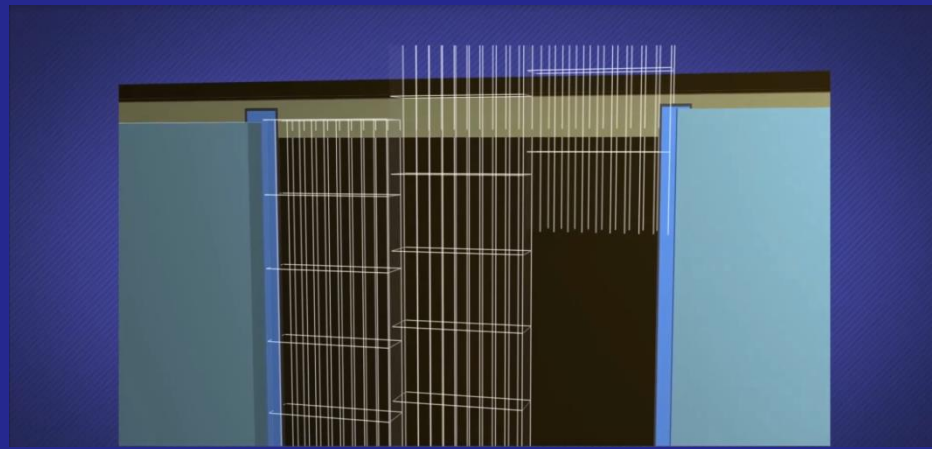


720m linéaires

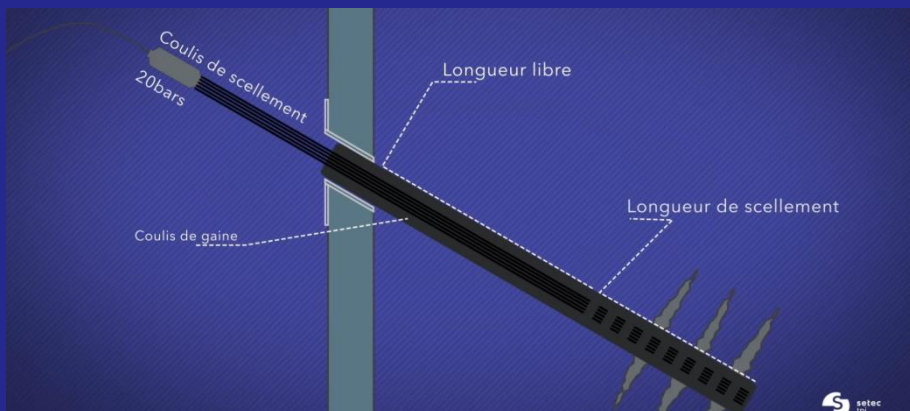


8m à 10m

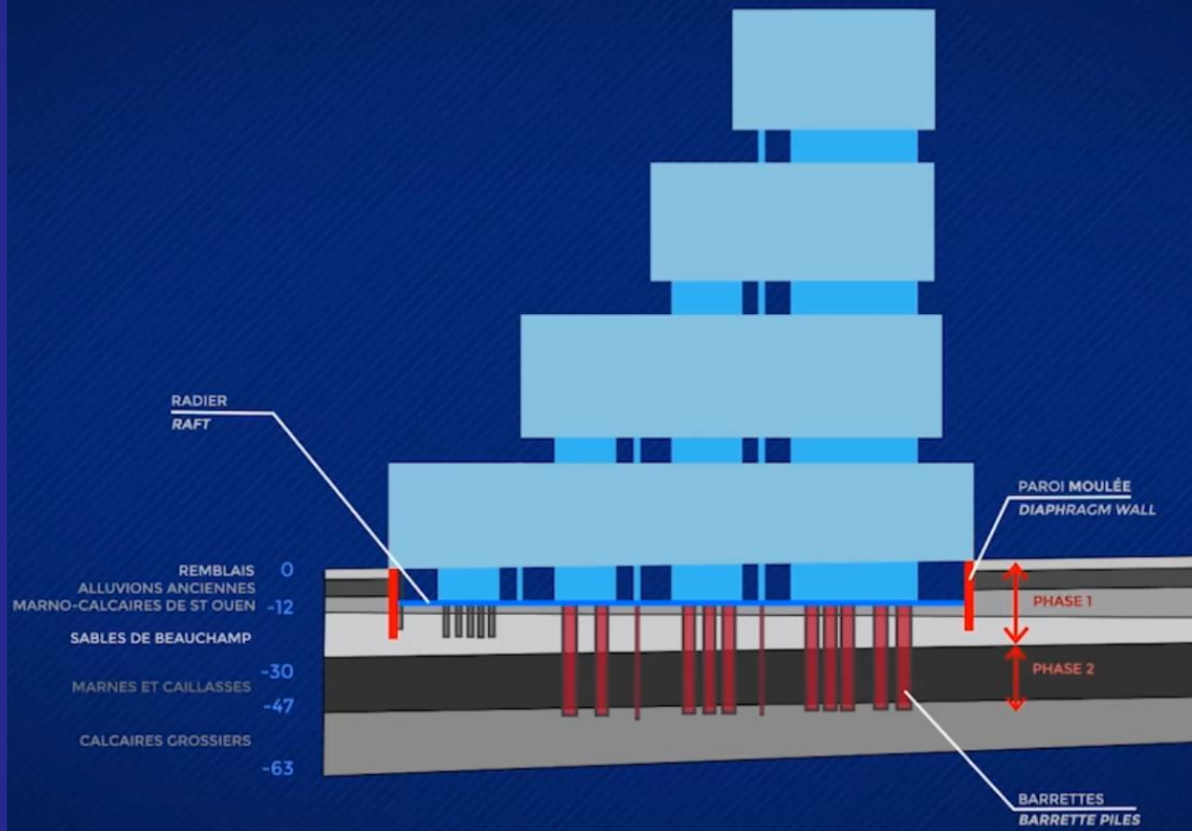








INFRASTRUCTURE
- Fondations -



PLATEFORME PEDAGOGIQUE

<http://www.tpi.setec.fr/FR/060-enseignement/UST/index.php>



LES TUTORIELS TECHNIQUES EN VIDÉO

Cliquez sur la partie du projet que vous souhaitez visualiser



PLATEFORME PEDAGOGIQUE

<http://www.tpi.setec.fr/FR/060-enseignement/UST/index.php>

