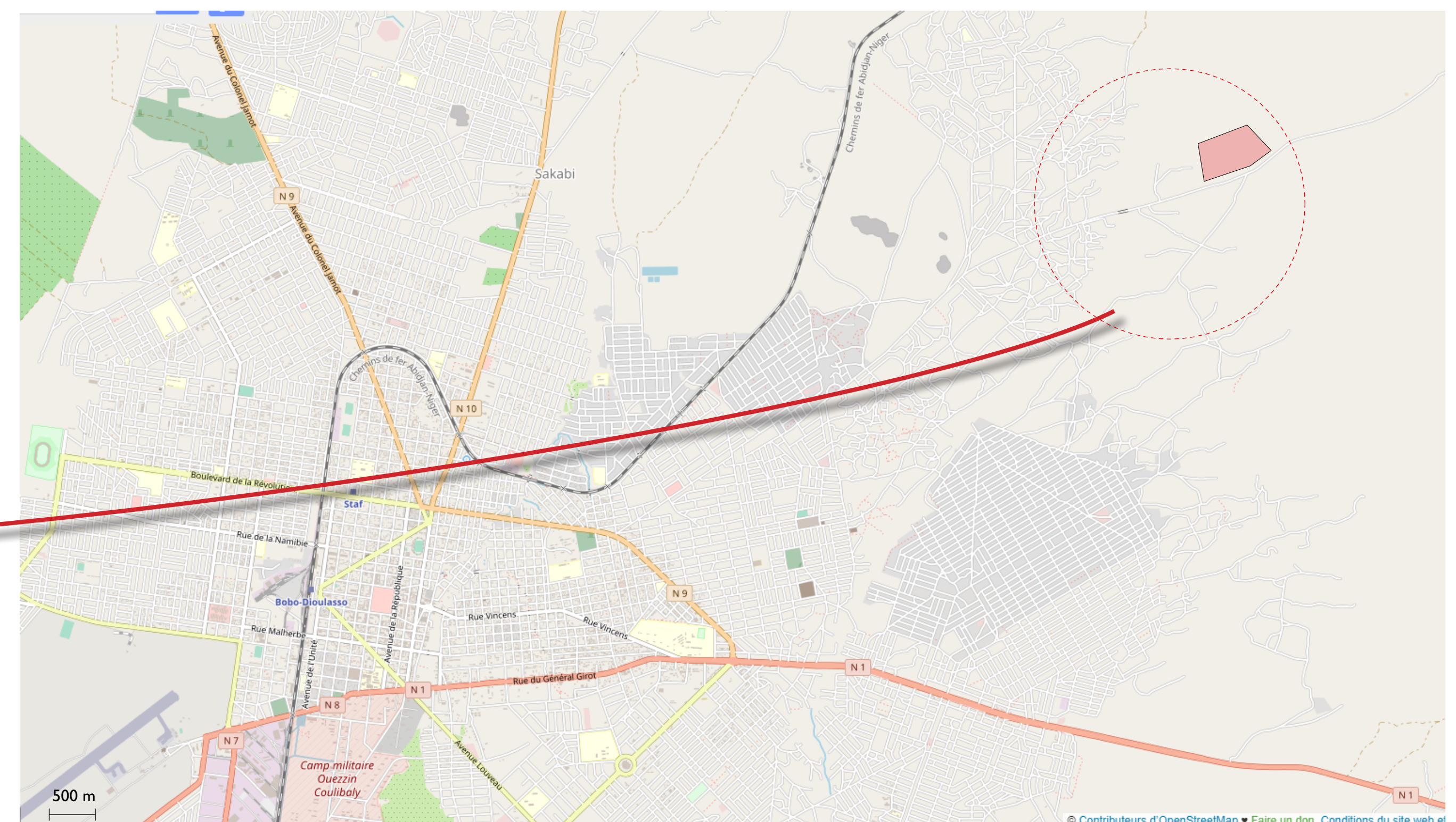
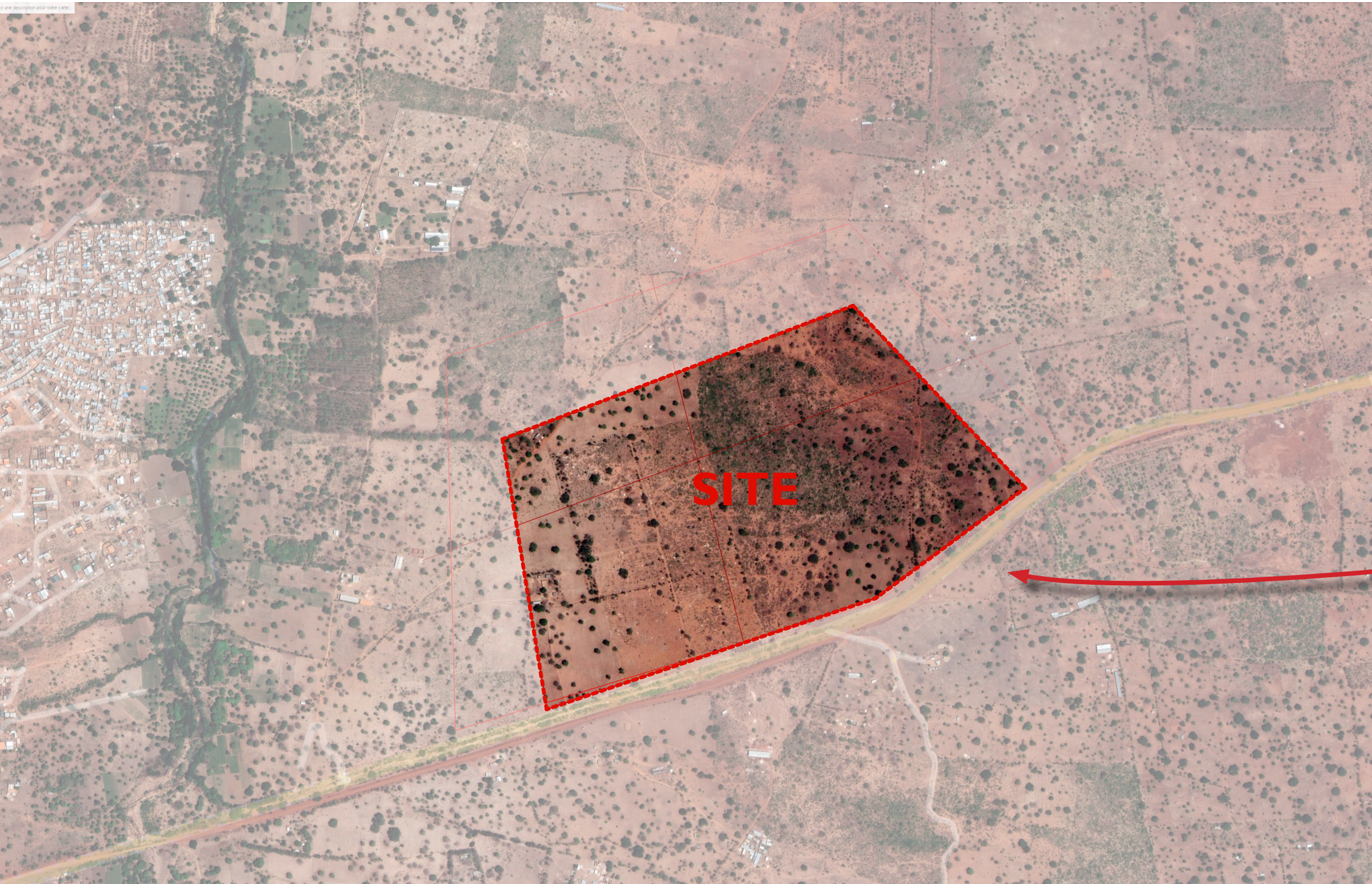
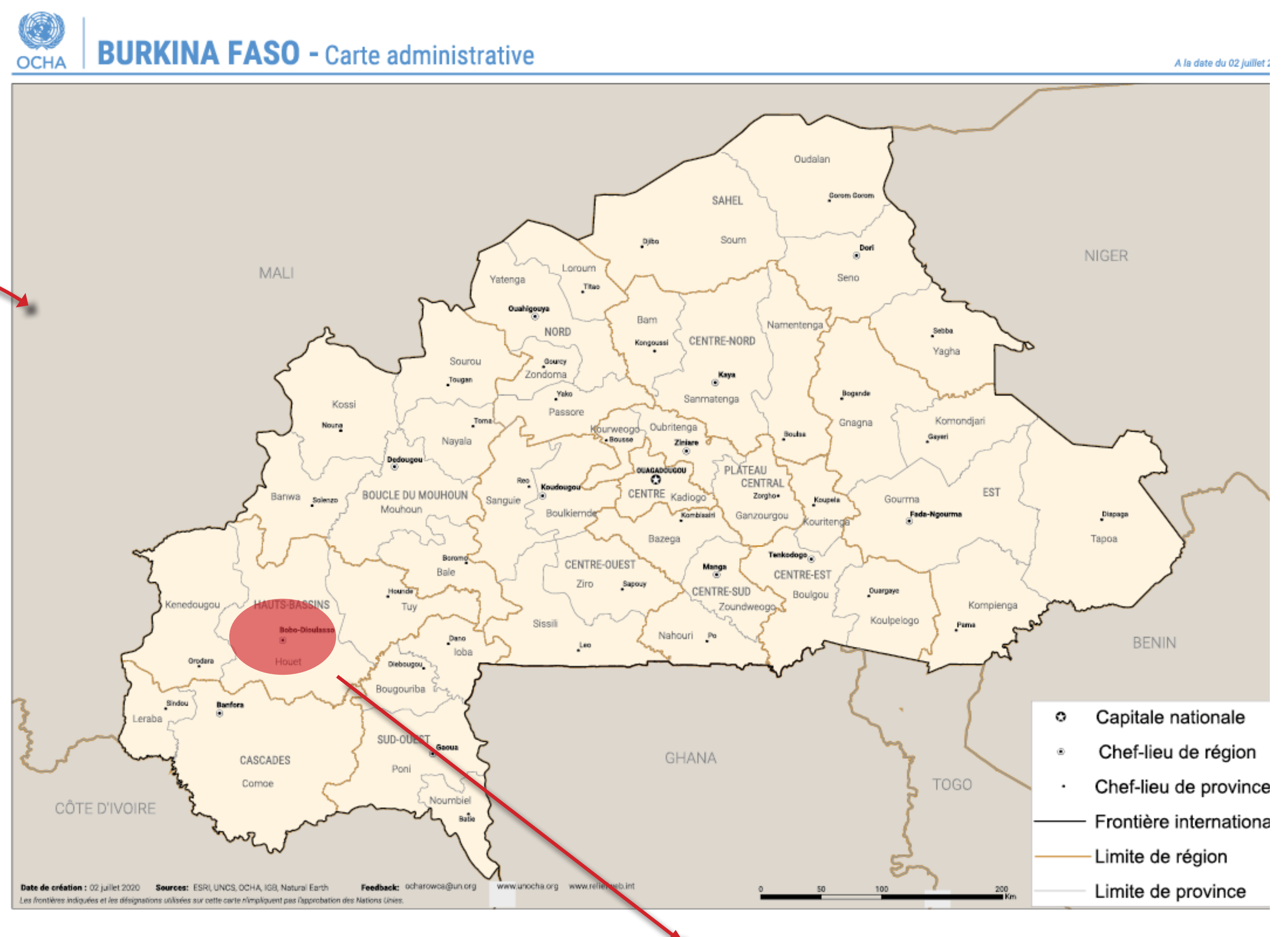




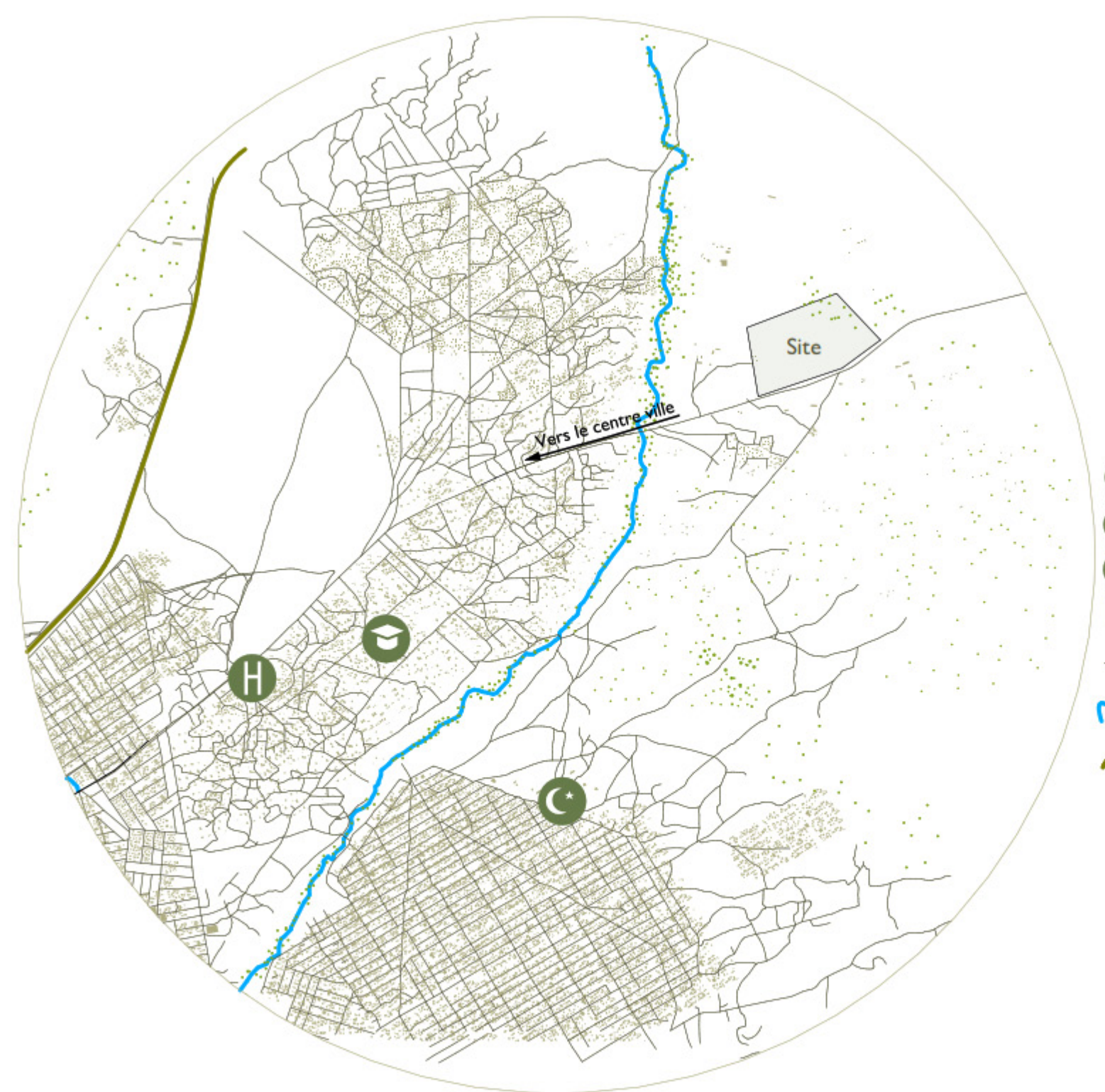
PROPOSITION D'UN COMPLEXE D'INNOVATION ET DE FORMATION AGRICOLE A BOBO DIULASSO

Ecole Africaine des Métiers de l'Architecture et de l'Urbanisme

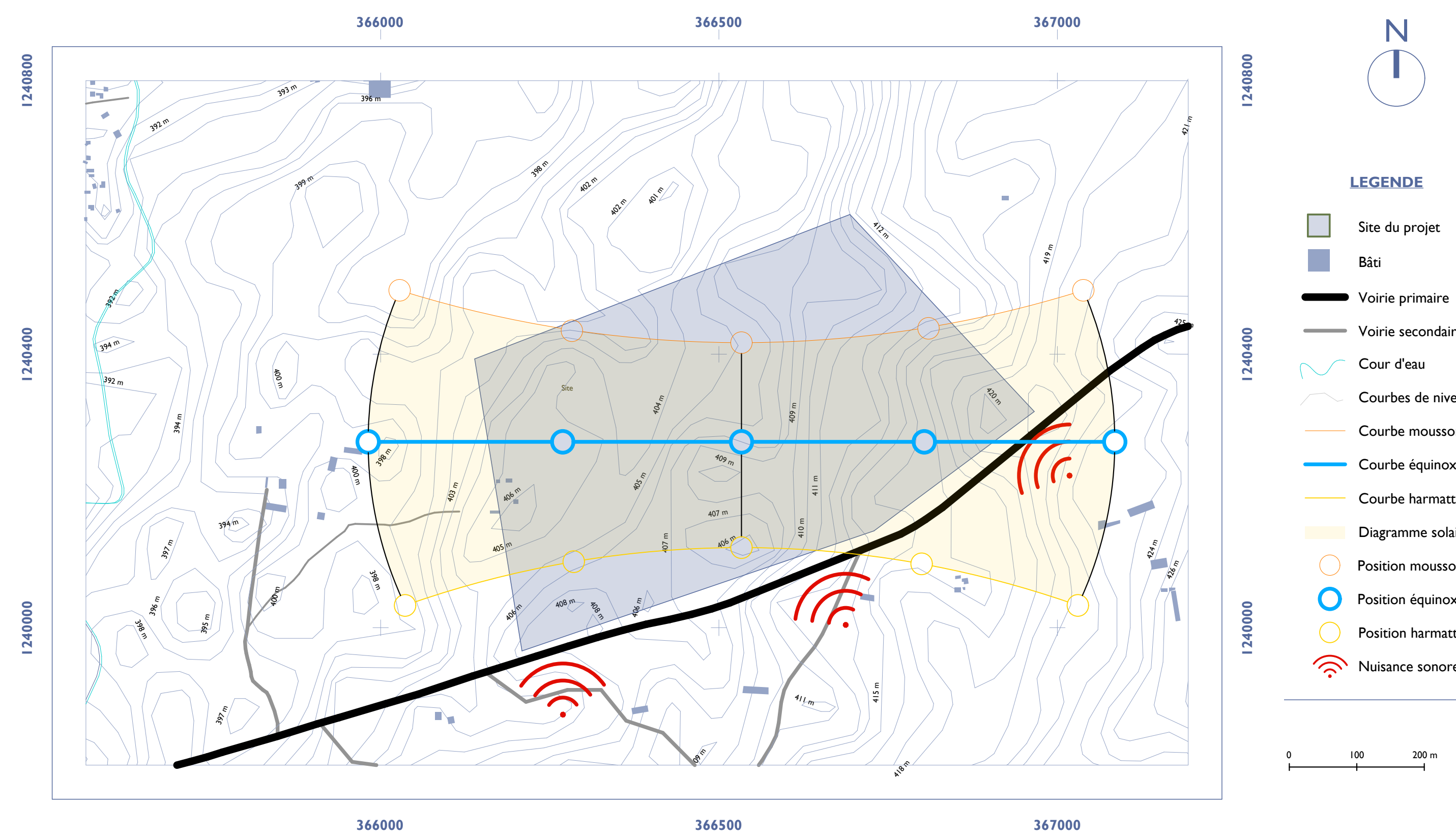
LOCALISATION DU SITE



ANALYSE DU SITE

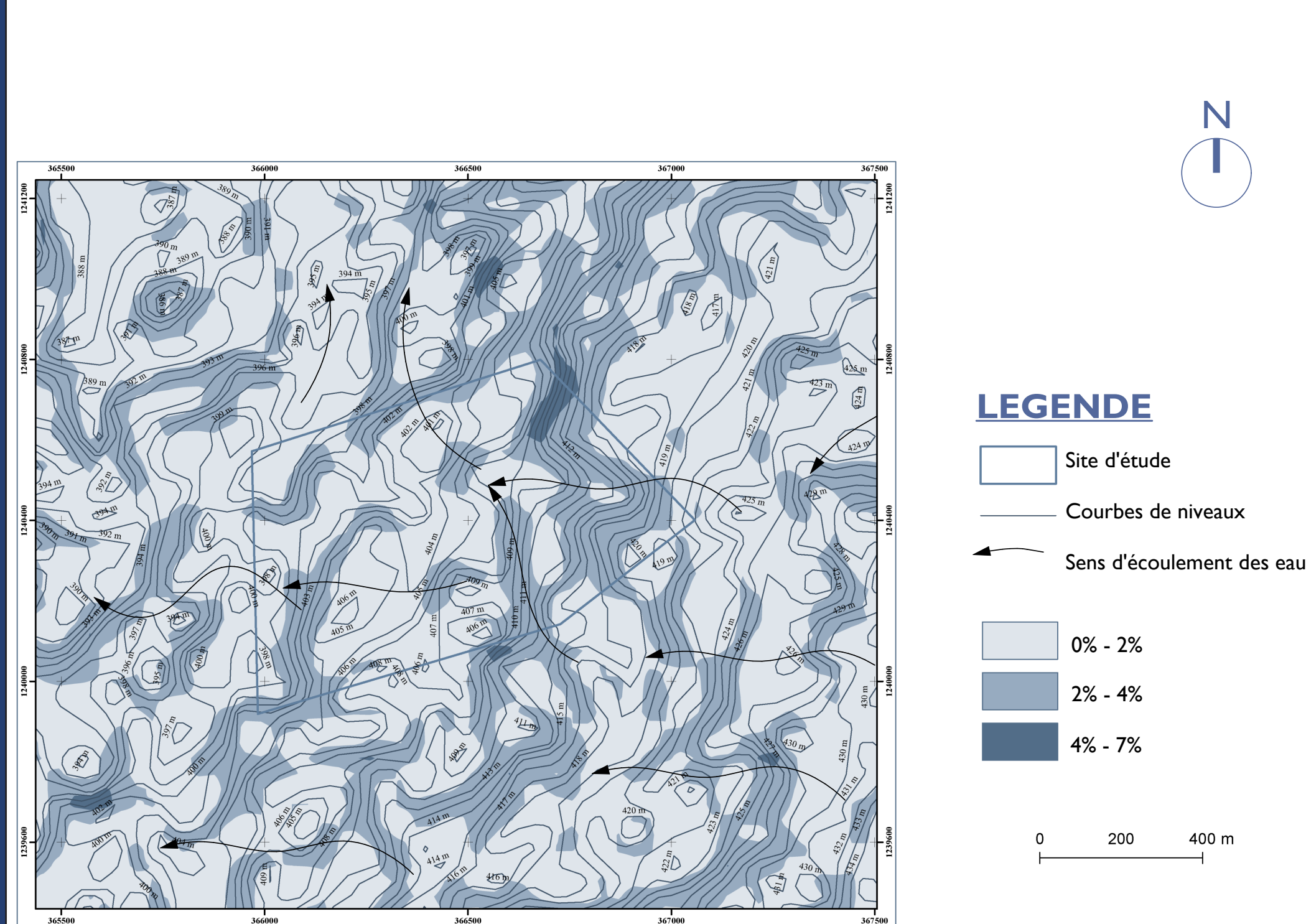


- LEGENDE**
- Depôt CMA de Dafis
 - Mosquée
 - Lycée
 - Bâti
 - Limite du site
 - Cour d'eau
 - Voie ferrée

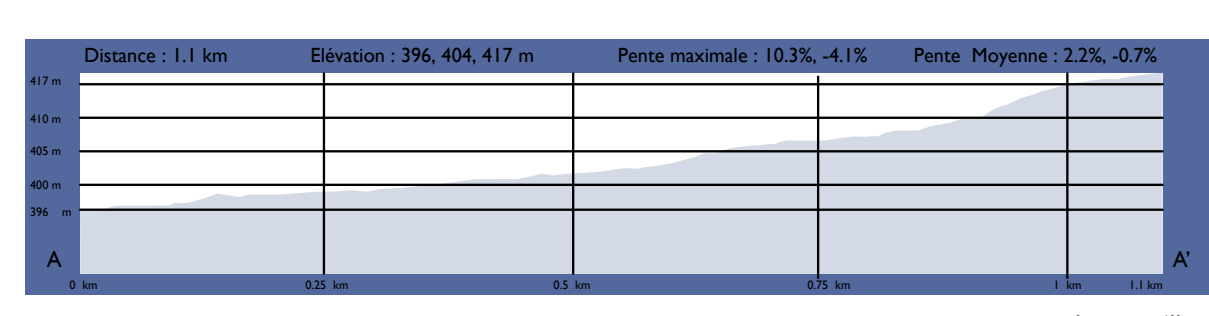
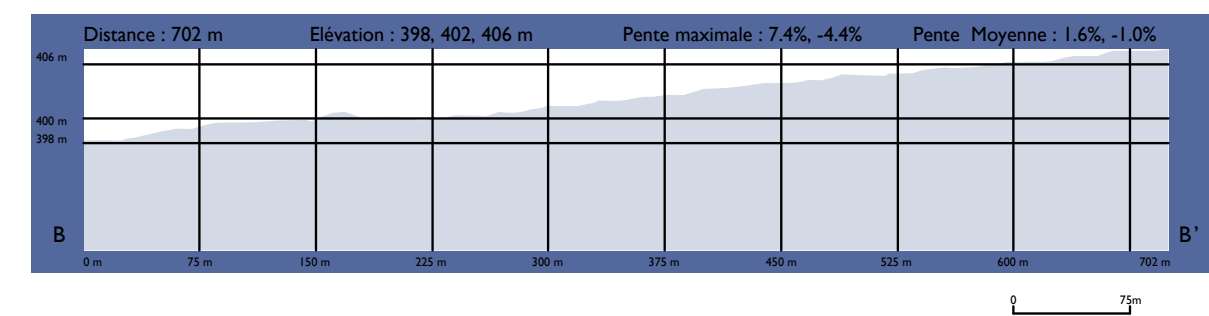
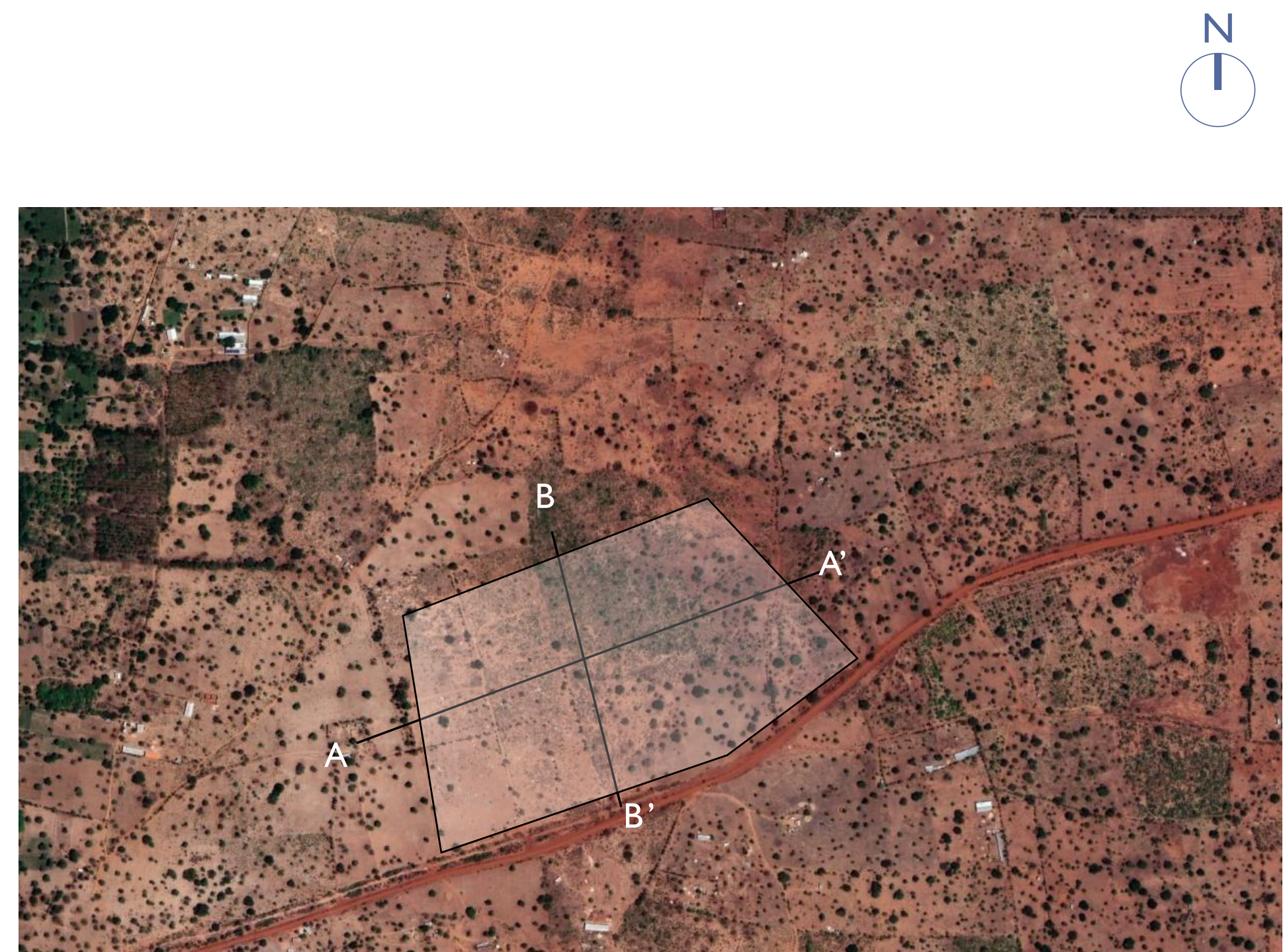


- LEGENDE**
- Site du projet
 - Bâti
 - Voirie primaire
 - Voirie secondaire
 - Cour d'eau
 - Courbes de niveaux
 - Courbe mousson
 - Courbe équinox
 - Courbe harmattan
 - Diagramme solaire
 - Position mousson
 - Position équinox
 - Position harmattan
 - Nuisance sonore

Facteurs environnementaux



- LEGENDE**
- Site d'étude
 - Courbes de niveaux
 - Sens d'écoulement des eaux
 - 0% - 2%
 - 2% - 4%
 - 4% - 7%



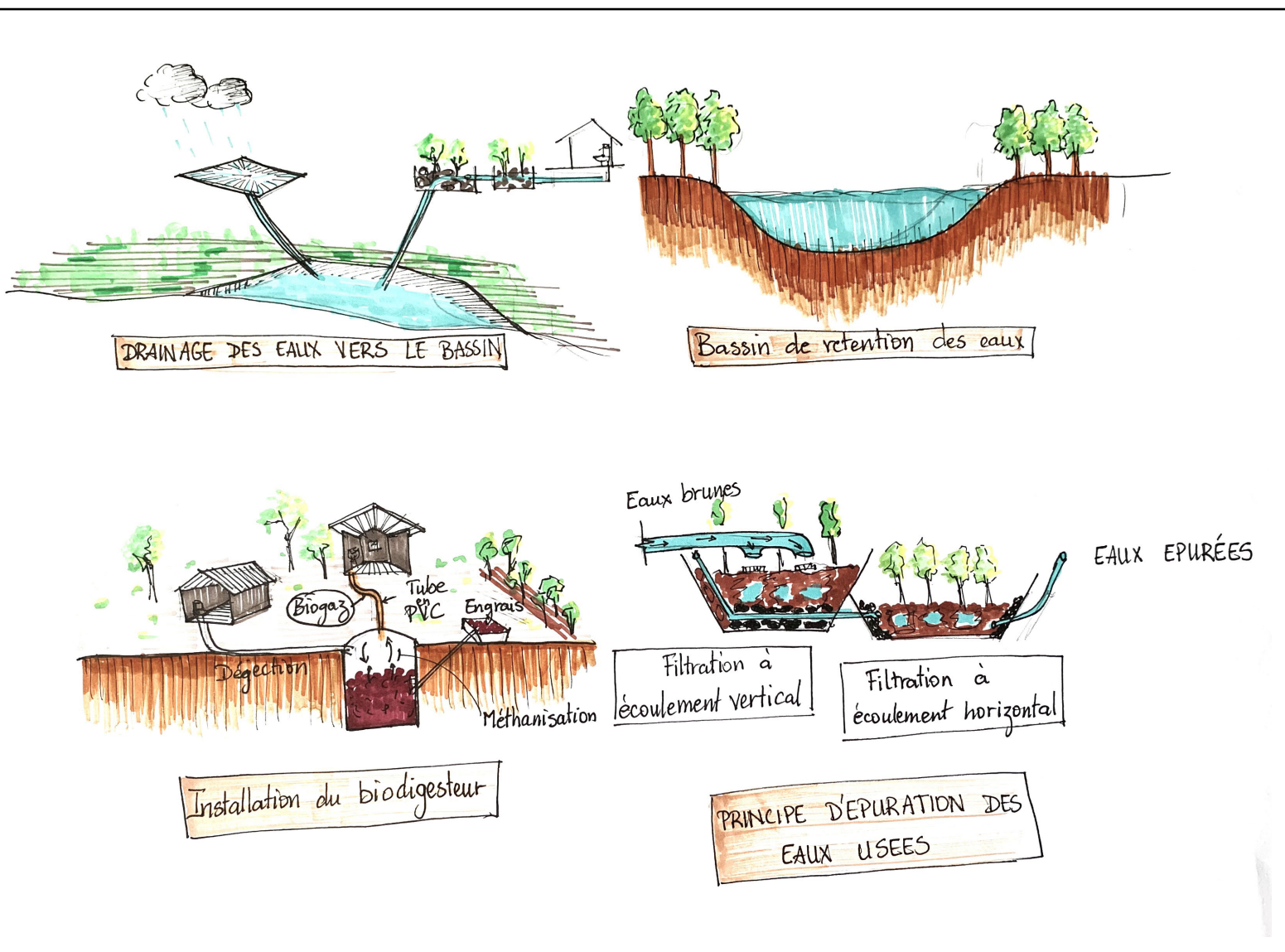
Présentée par:
MALGOUBRI Claudia Francine
Roxane Wendyida

Facteurs physiques

PRINCIPE D'AMENAGEMENT

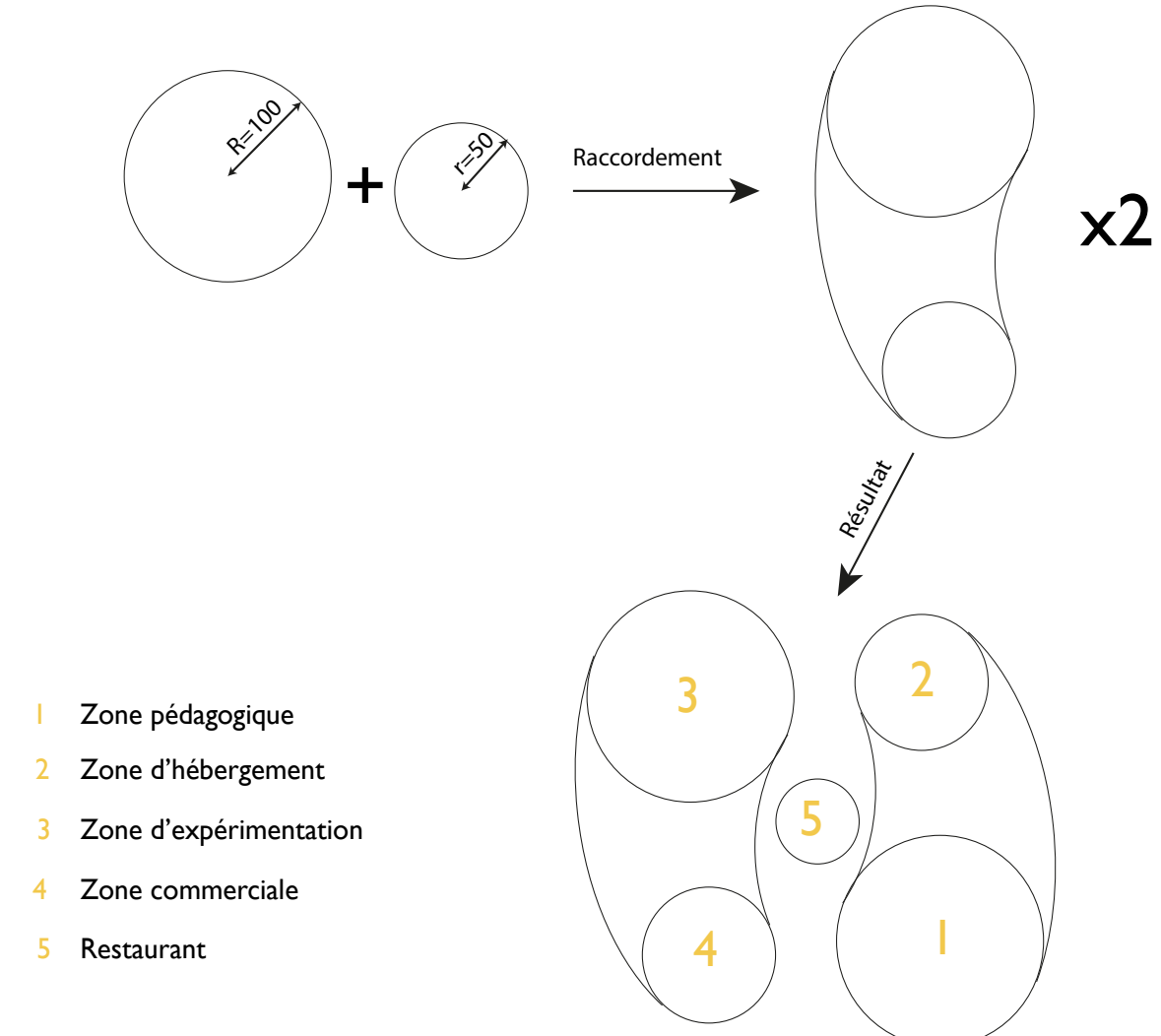
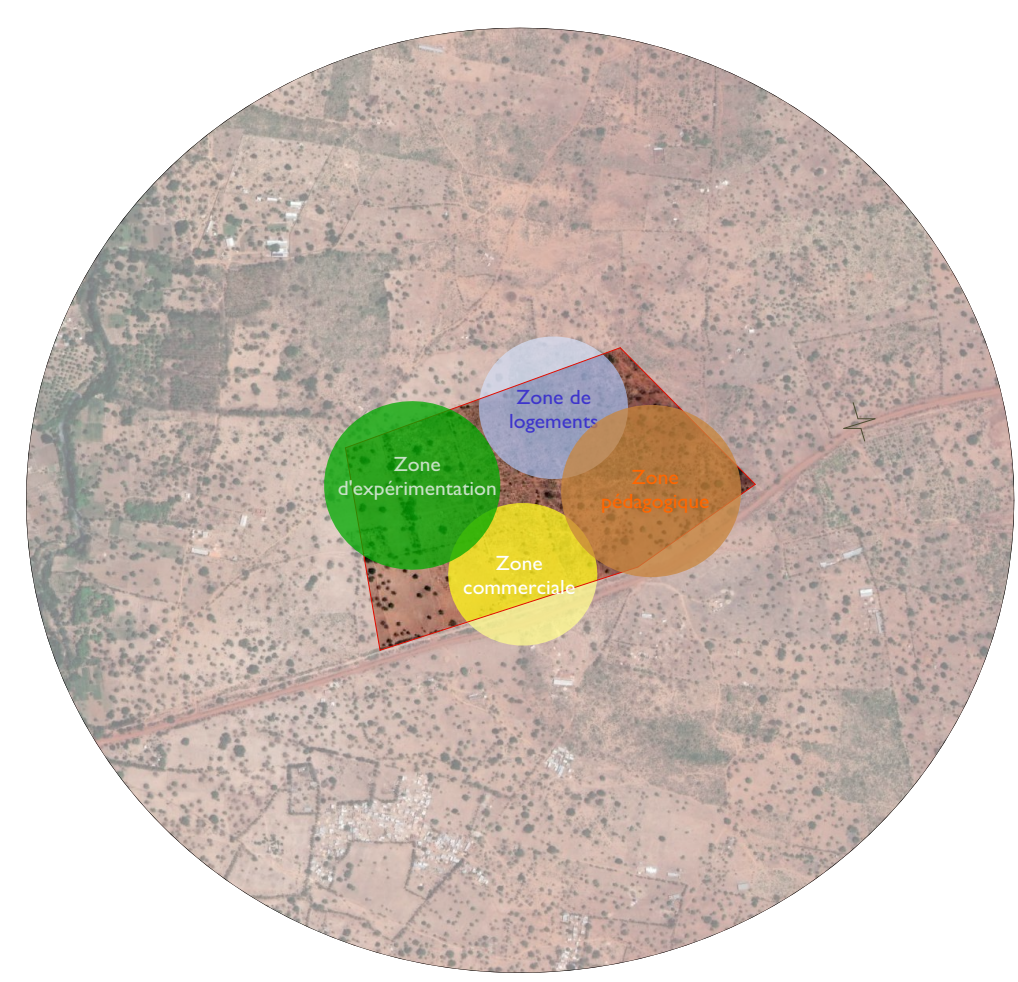
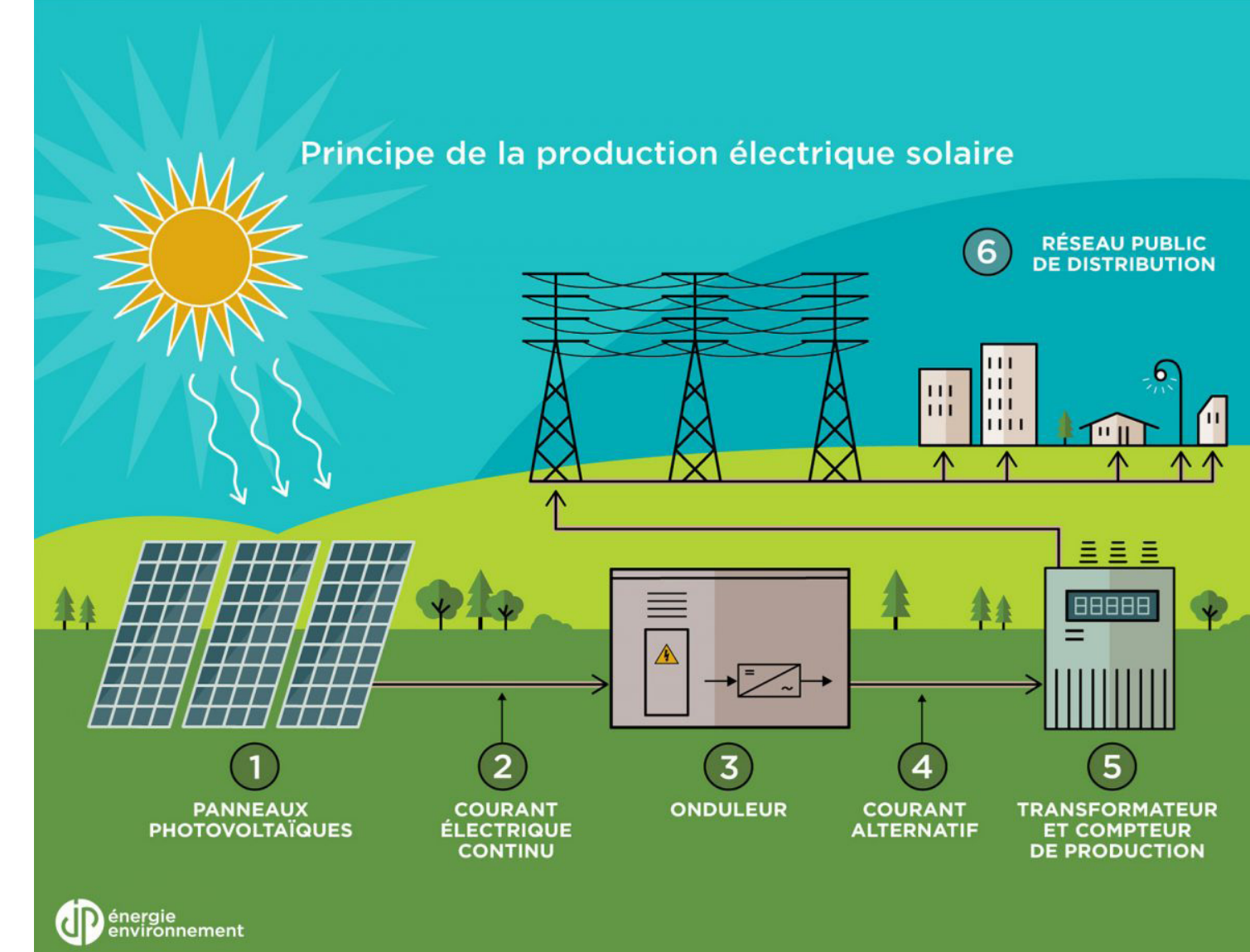
Principe d'assainissement

Les eaux de pluies sont récupérées au niveau de la toiture, des jardinières et des circulations, puis redirigées vers le bassin de rétention le plus proche. Au vu du sens de l'écoulement des eaux pluviales, un grand bassin de rétention d'eau sera placé du côté nord-ouest.



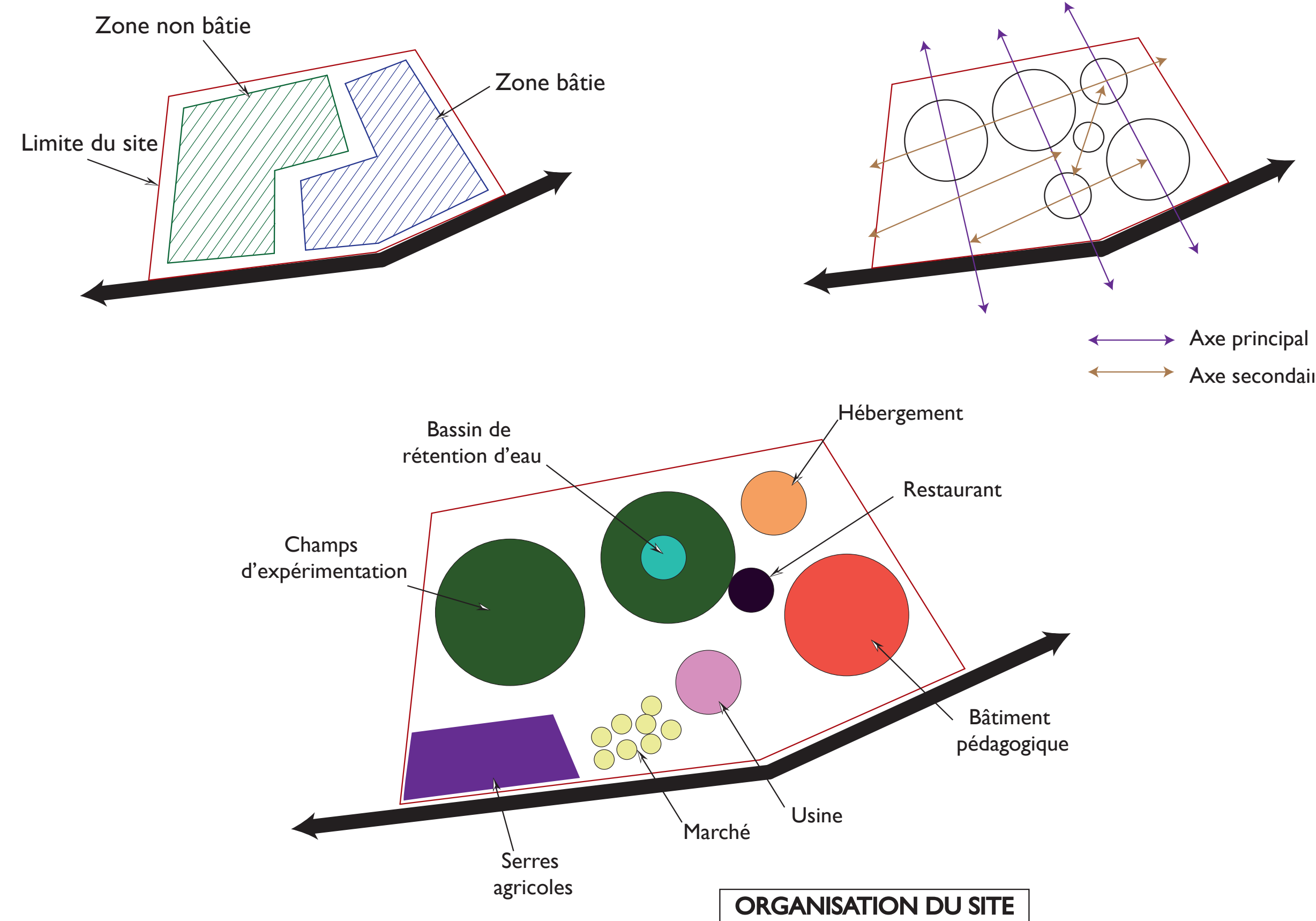
Gestion des déchets

Le site sera doté de poubelles compartimentées pour le tri des déchets. D'une part les déchets non biodégradables qui pourront être recyclés et d'autre part les déchets biodégradables qui seront directement compostés et utilisés comme engrais naturel.

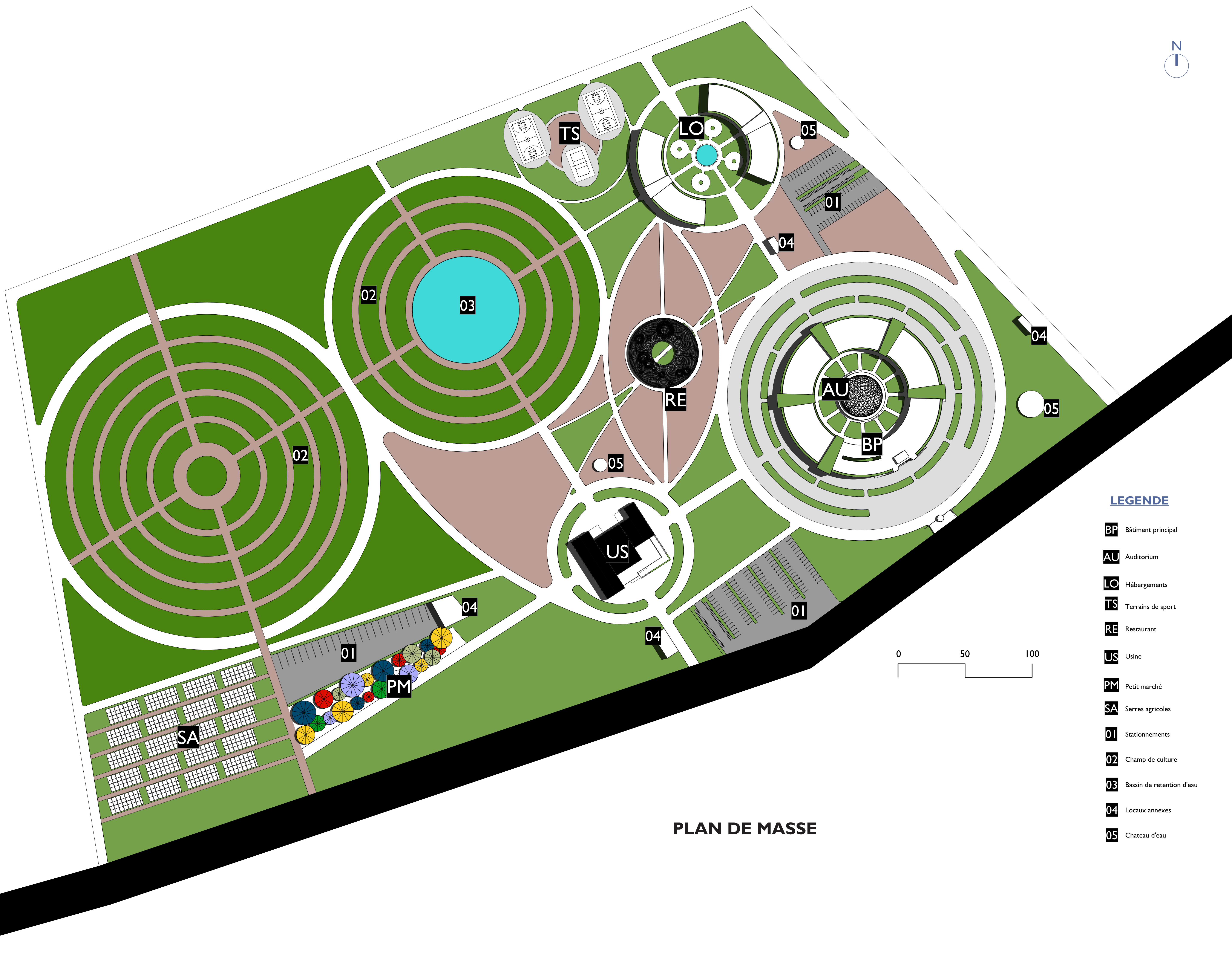


Le site est divisé en 4 grandes parties réparties comme suit :

- la partie administrative et pédagogique pour la recherche et la vulgarisation ;
- la partie d'hébergement pour loger les étudiants, les chercheurs et le cadre de l'administration
- la partie commerciale pour la transformation et la commercialisation des produits issus des champs d'expérimentations.
- la partie expérimentation constituée des champs.

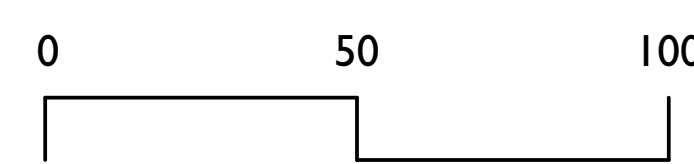


Démarhe conceptuelle



LEGENDE

- BP Bâtiment principal
- AU Auditorium
- LO Hébergements
- TS Terrains de sport
- RE Restaurant
- US Usine
- PM Petit marché
- SA Serres agricoles
- 01 Stationnements
- 02 Champ de culture
- 03 Bassin de rétention d'eau
- 04 Locaux annexes
- 05 Chateau d'eau



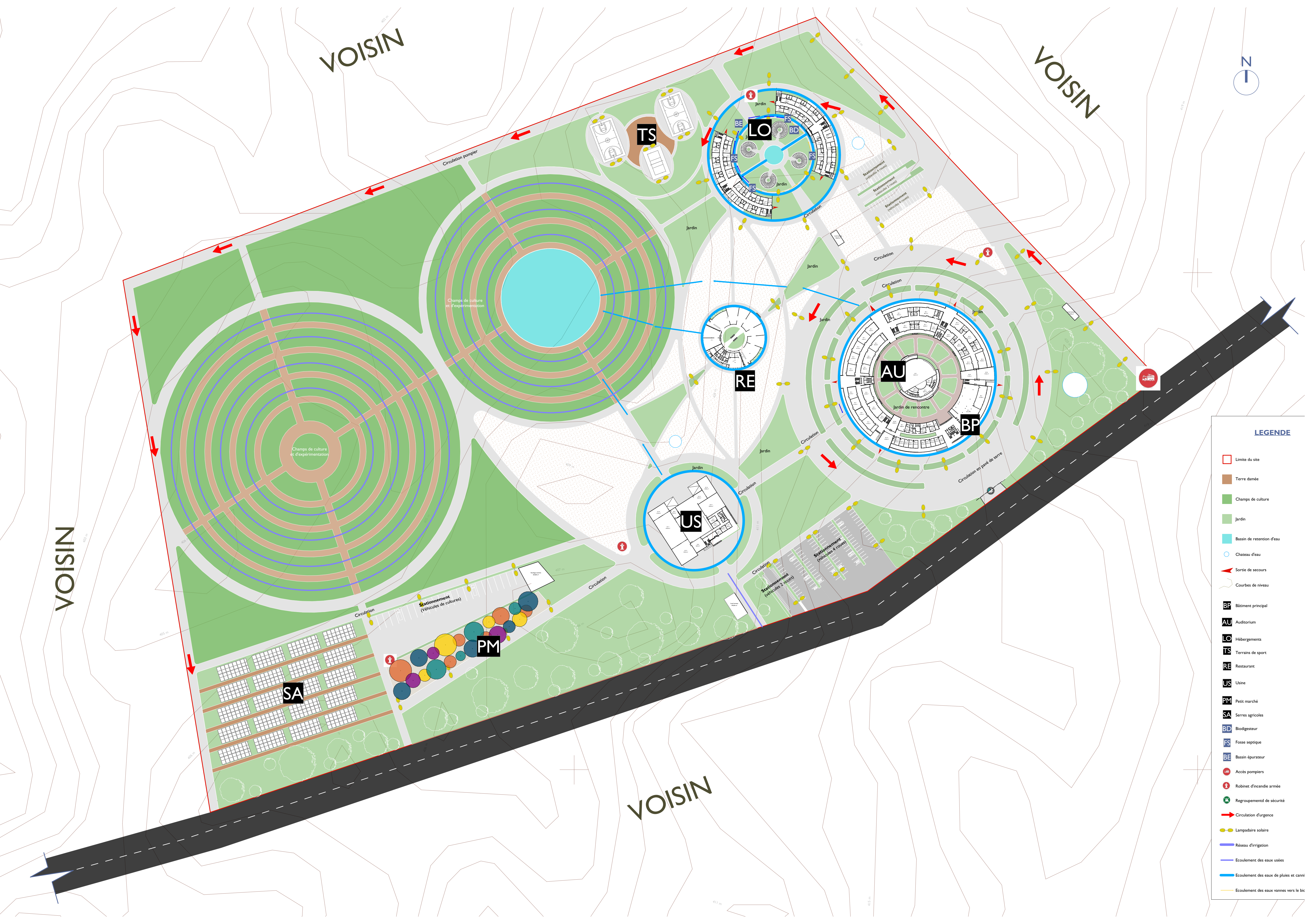
PLAN D'ENSEMBLE

PLAN DEVRD



LEGENDE

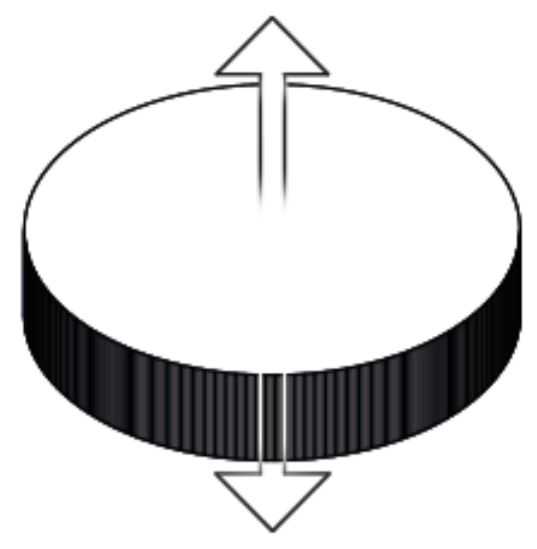
- Unité du site
- Terre damée
- Champs de culture
- Jardin
- Bassin de rétention d'eau
- Chaussée d'eau
- Sortie de secours
- Courbes de niveau
- Bâtiment principal
- Auditorium
- Hébergement
- Terrain de sport
- Restaurant
- Salon
- Parc marché
- Terres agricoles
- Podgouzeur
- Fosse septique
- Bassin épandeur



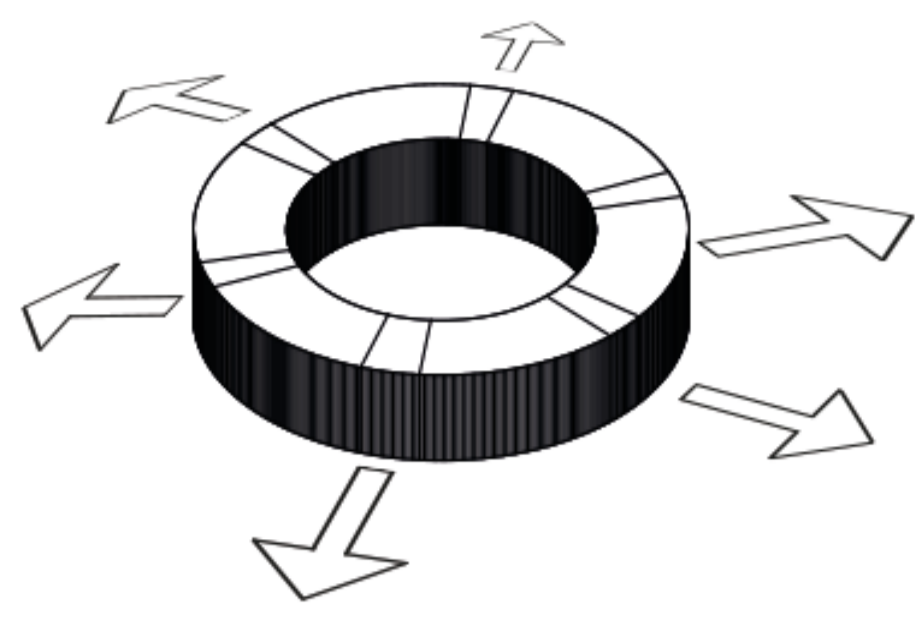
LEGENDE

- Unité du site
- Terre damée
- Champs de culture
- Jardin
- Bassin de rétention d'eau
- Chaussée d'eau
- Sortie de secours
- Courbes de niveau
- Bâtiment principal
- Auditorium
- Hébergement
- Terrain de sport
- Restaurant
- Salon
- Parc marché
- Terres agricoles
- Podgouzeur
- Fosse septique
- Bassin épandeur
- Accès pompiers
- Robots d'incendie armés
- Regroupement de sécurité
- Lampadaires solaires
- Écoulement des eaux vers le lac

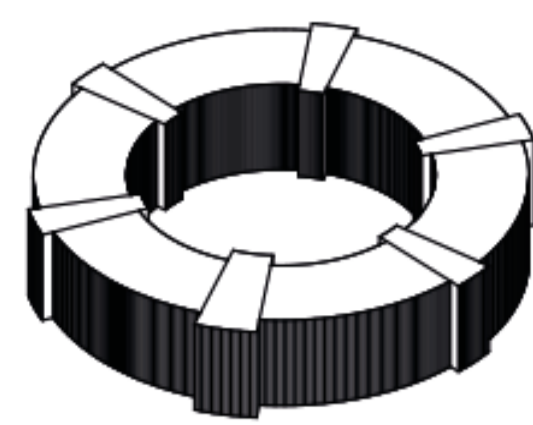
Bâtiment principal



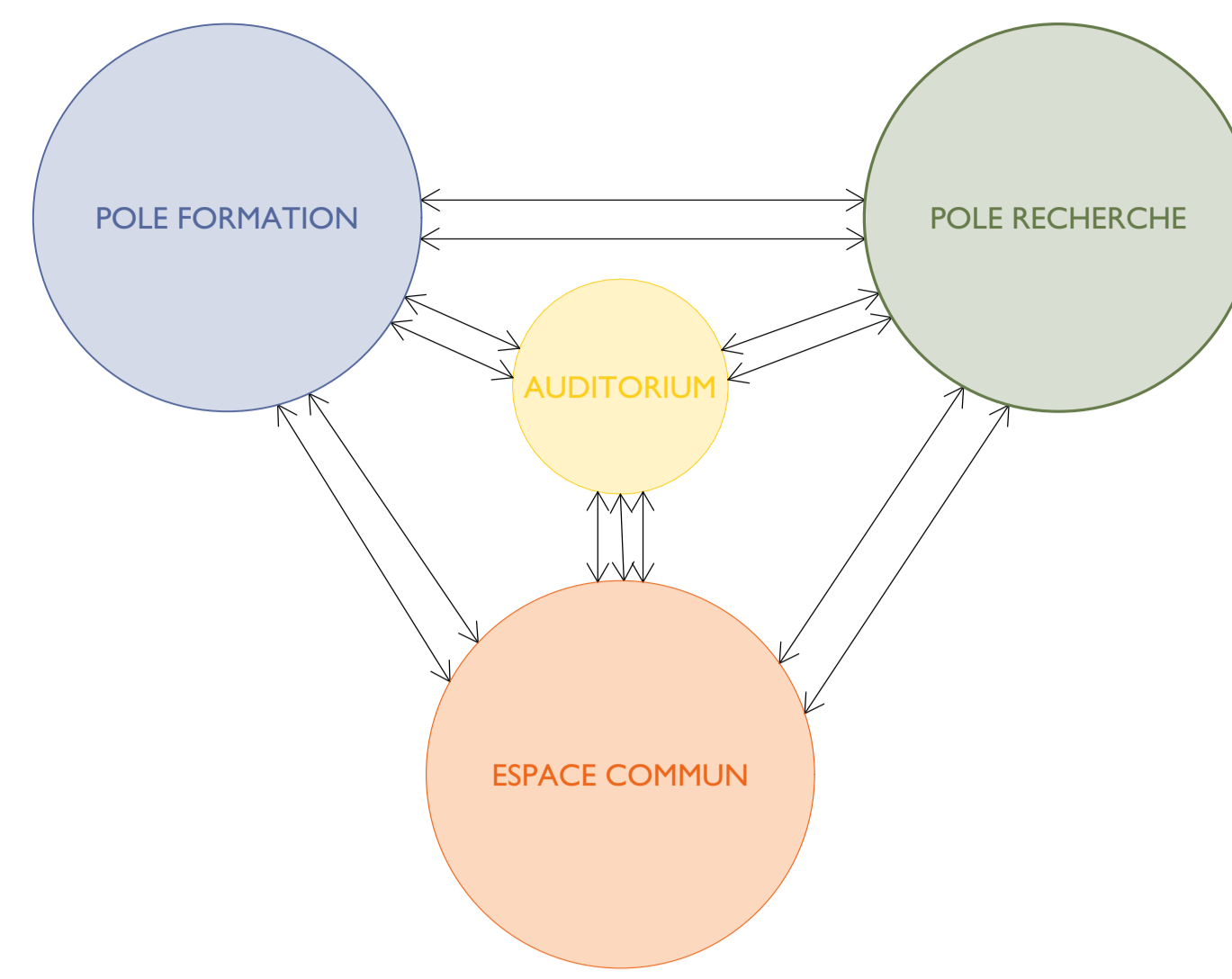
Extrusion



Définition des 3 axes



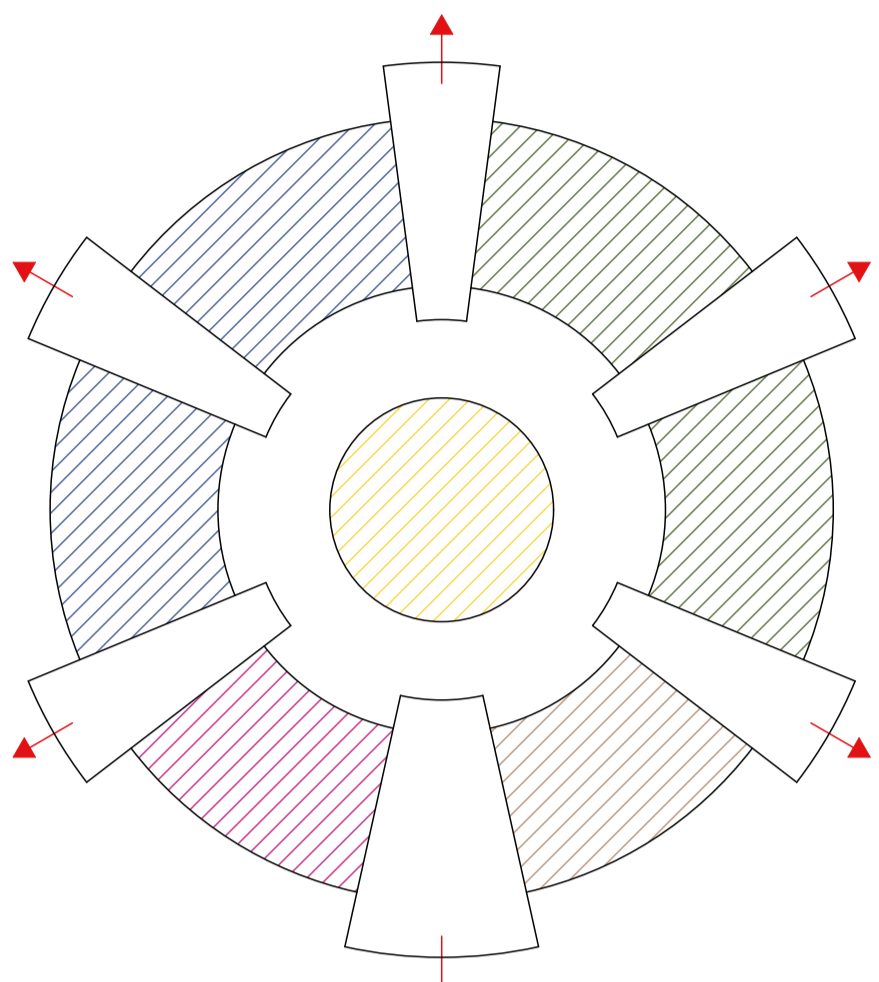
Volume final



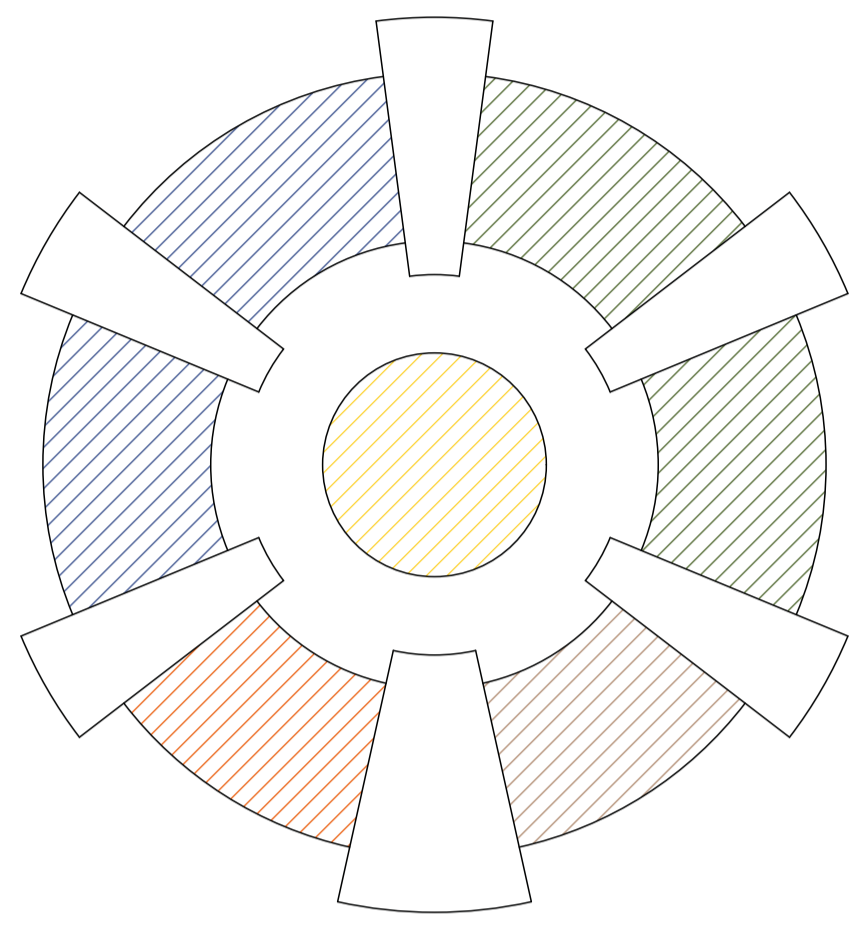
Liens moyens

Liens forts

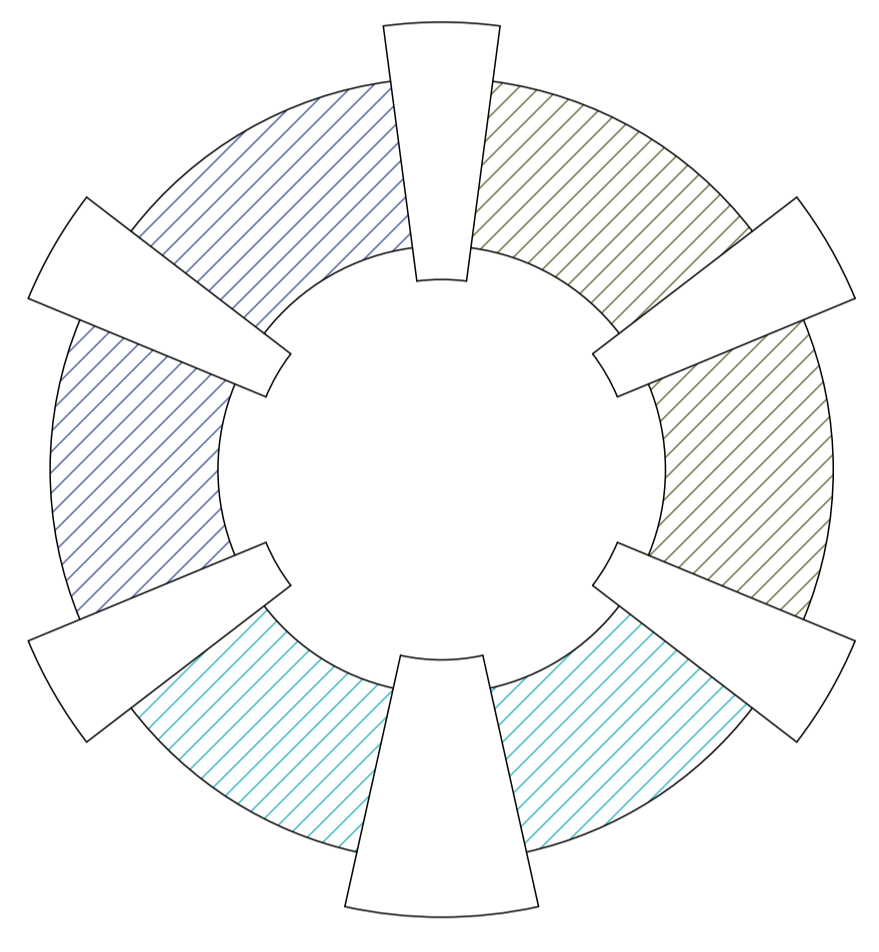
Le bâtiment pédagogique est organisé en 3 grands pôles à savoir le pôle de formation (pour la vulgarisation théorique), le pôle de recherche (pour la créativité et l'innovation) et l'espace commun (composé de l'administration et des espaces que partagent les 2 autres pôles). De plus un auditorium central est conçu pour les grandes conférences et constitue le noyau du bâtiment.



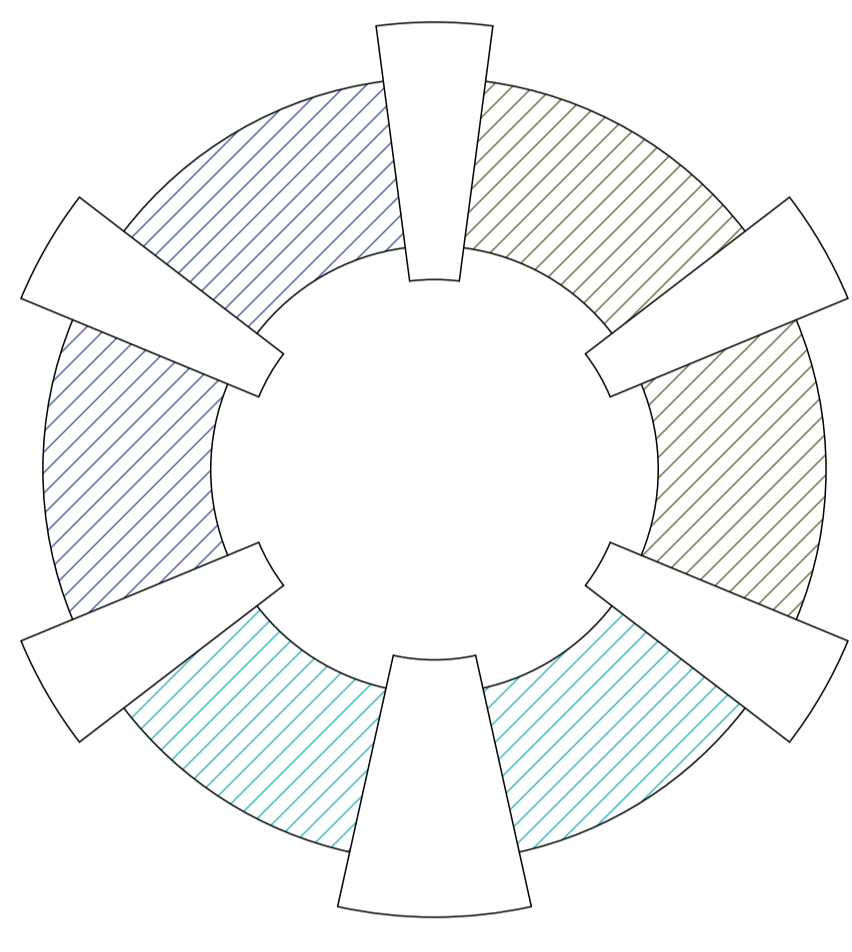
RDC



R+1



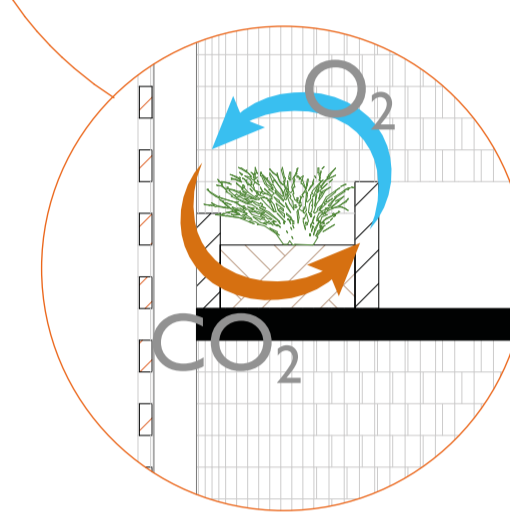
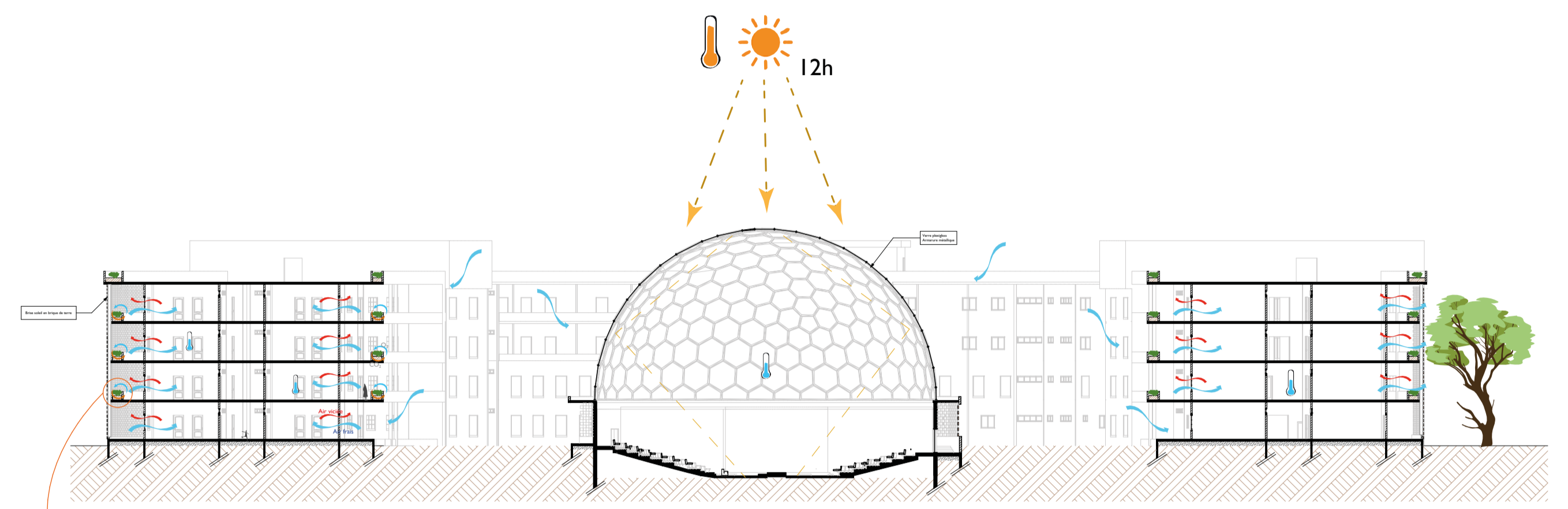
R+2



R+3

LEGENDE

- Pôle recherche
- Pôle formation
- Administration
- Bibliothèque
- Espace commun
- Exposition
- Auditorium
- Accès au bâtiment



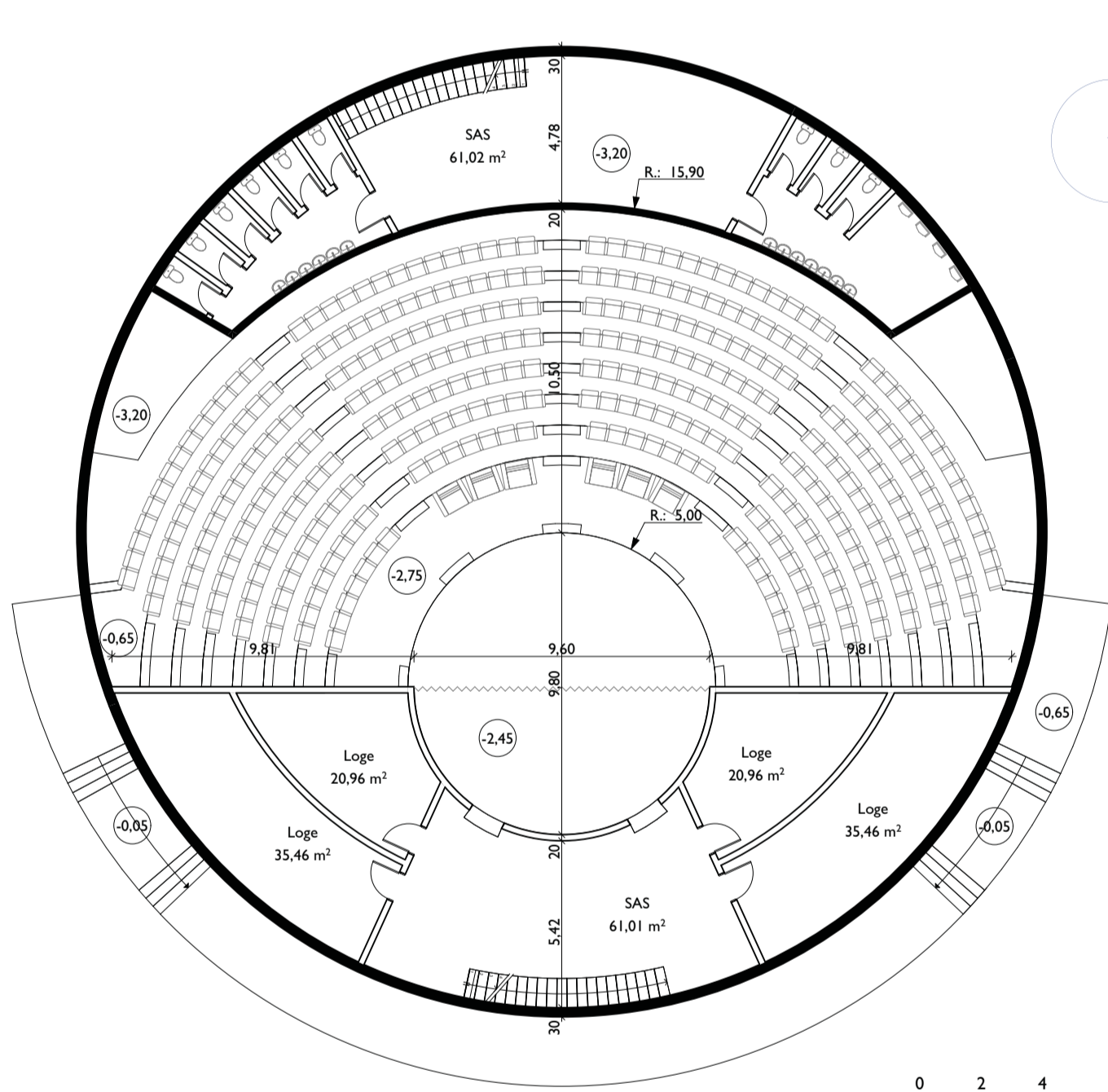
Purification d'air

Air vicié sortant
Air purifié entrant
Renouvellement d'air

Température élevée
Température basse

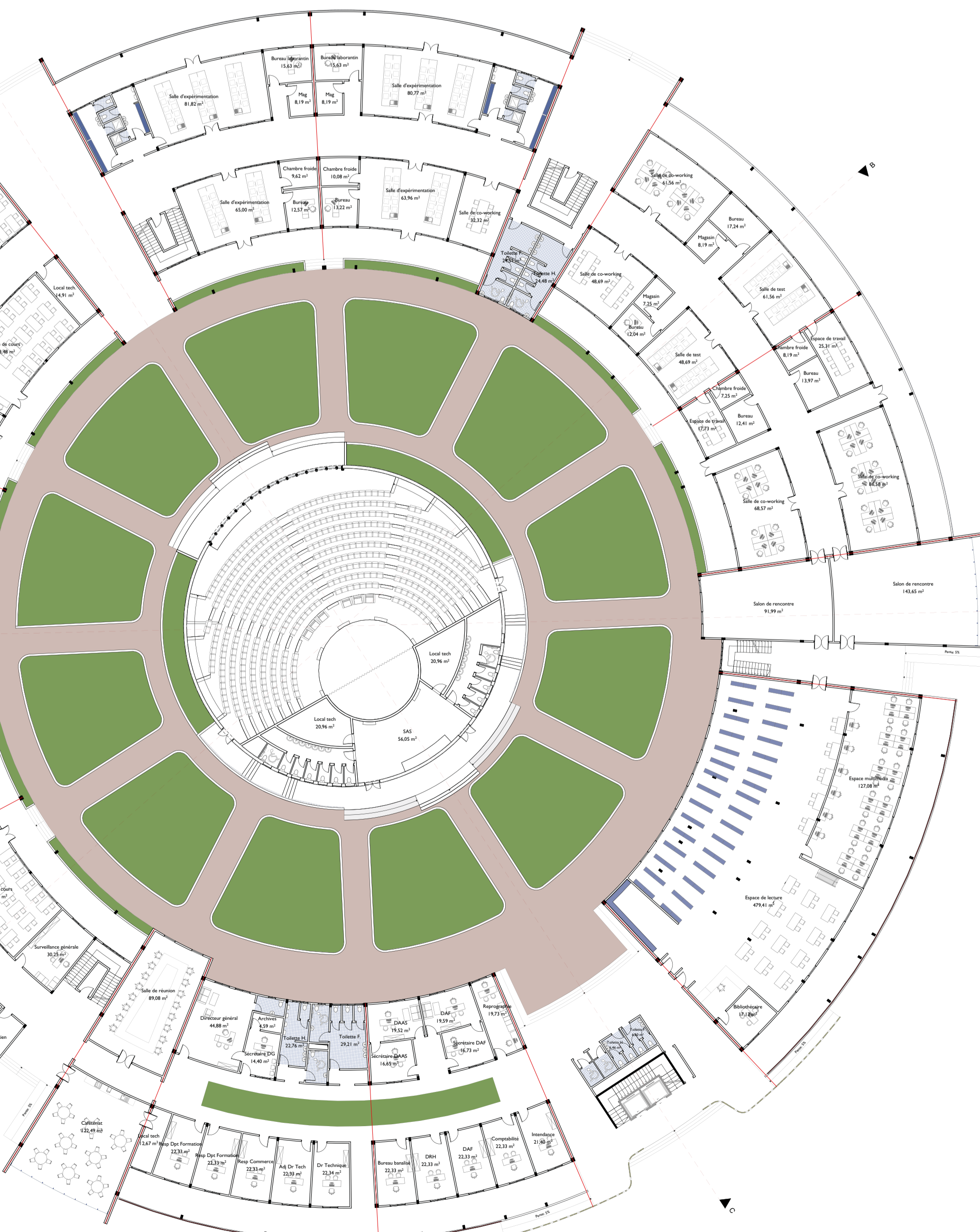
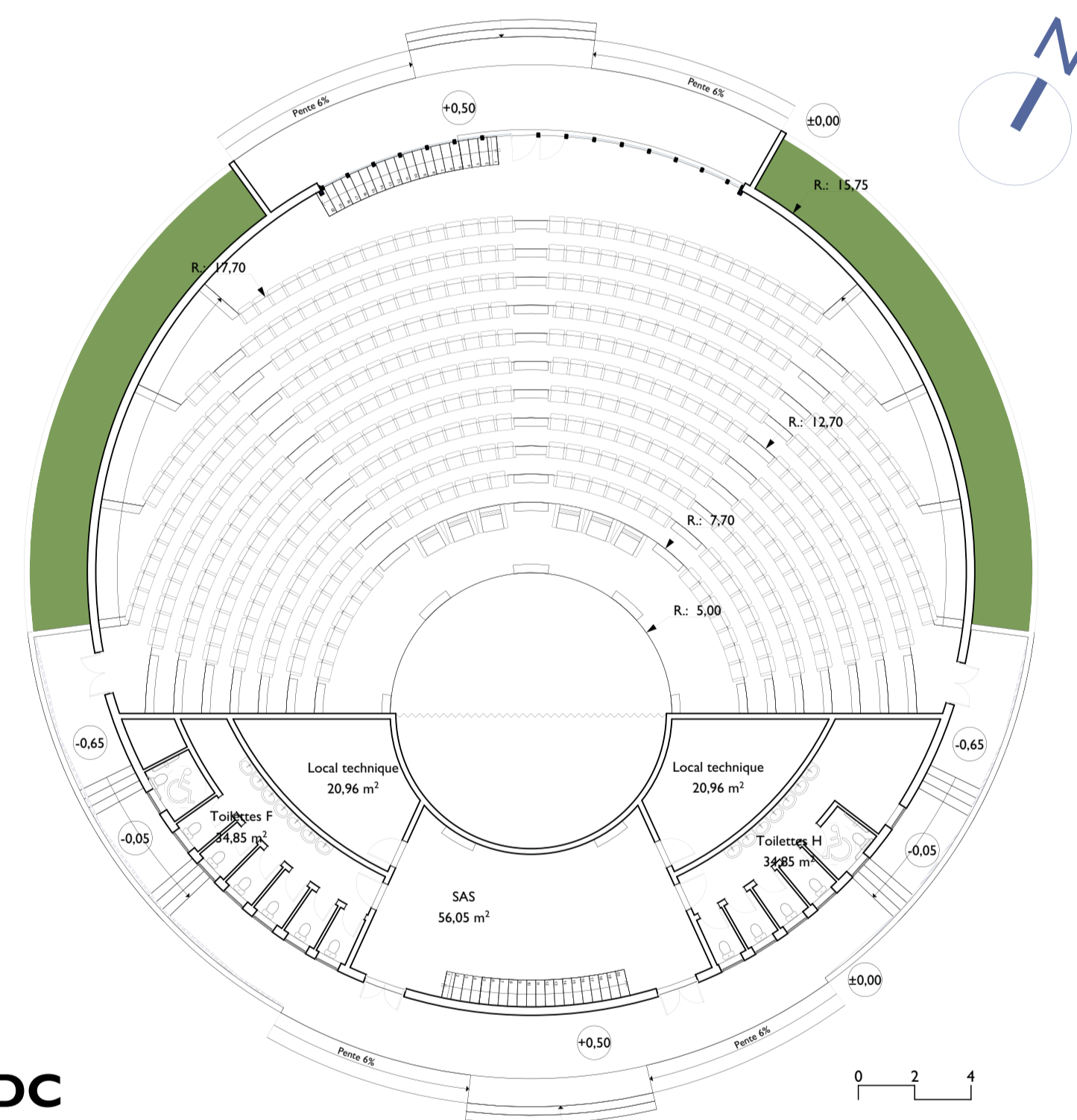
Coupe de principe

Démarche conceptuelle

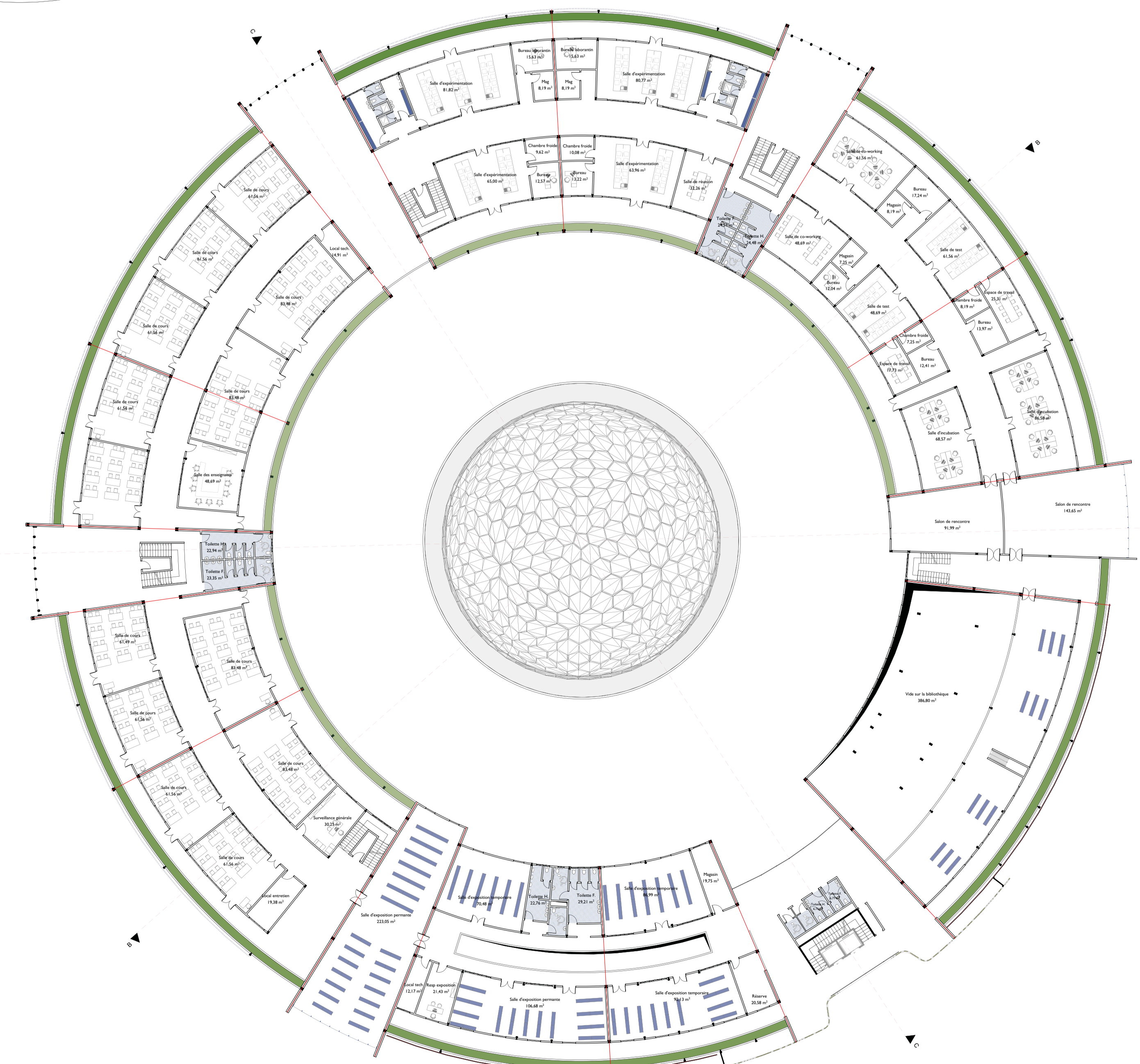


Sous-sol

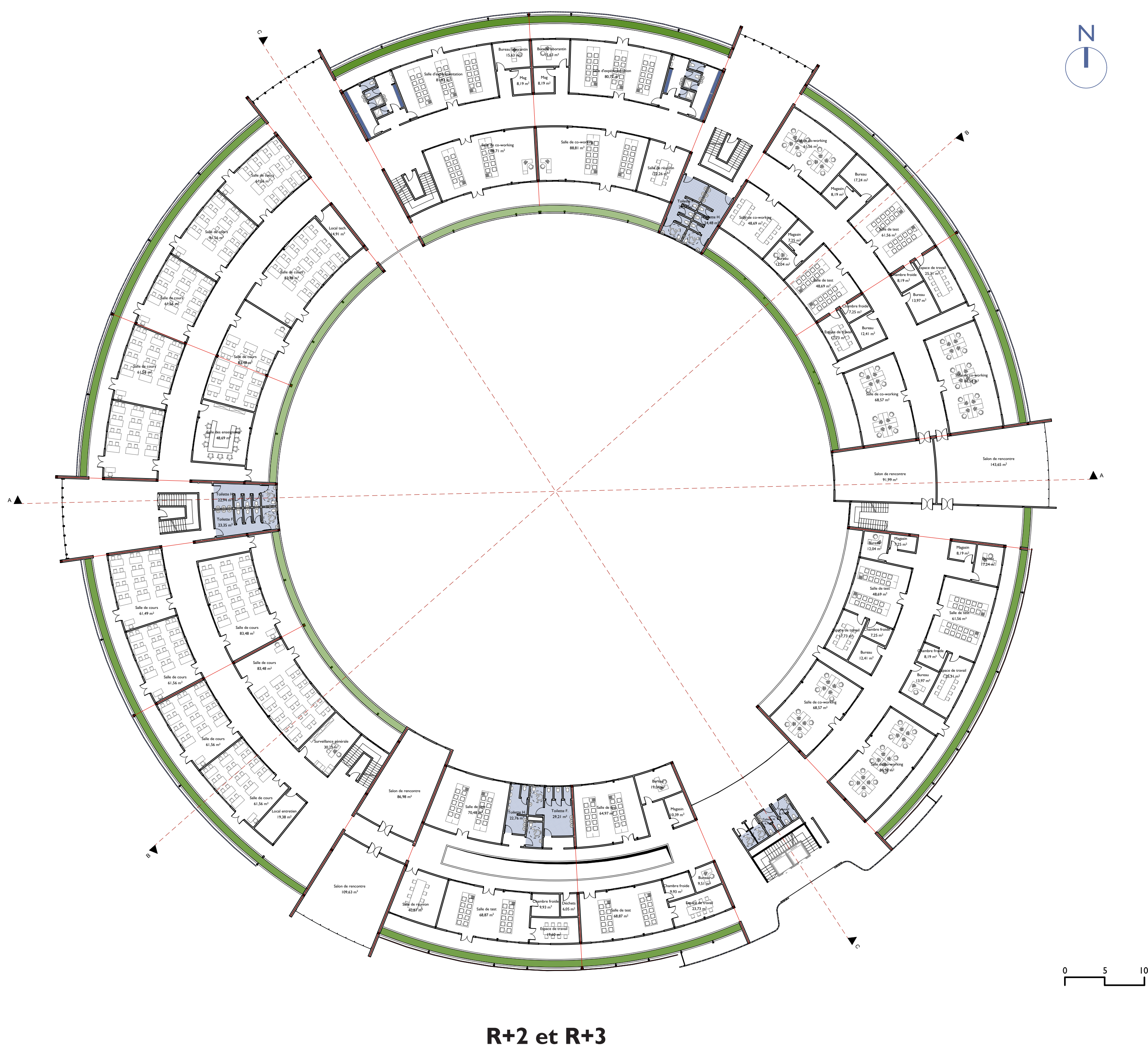
RDC



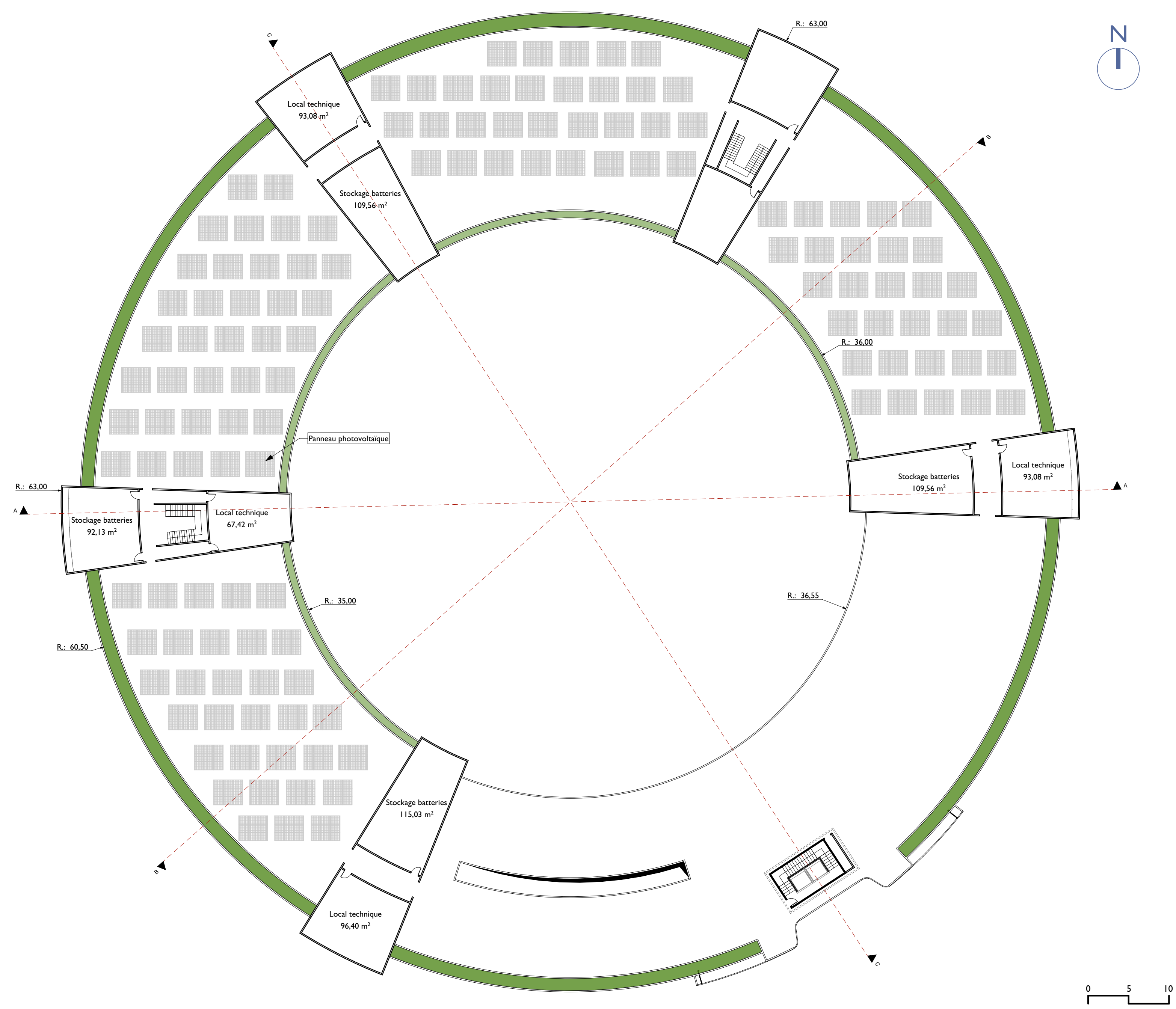
RDC



R+1

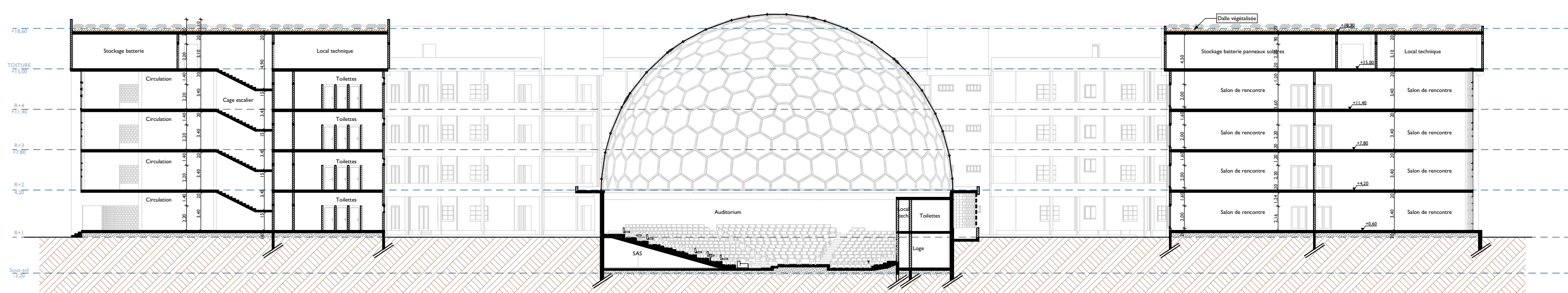


R+2 et R+3

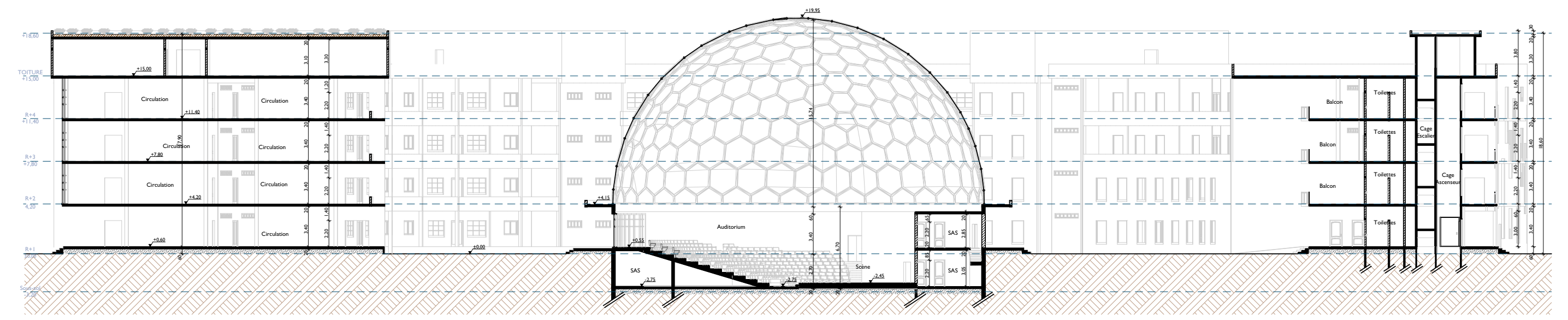


TOITURE

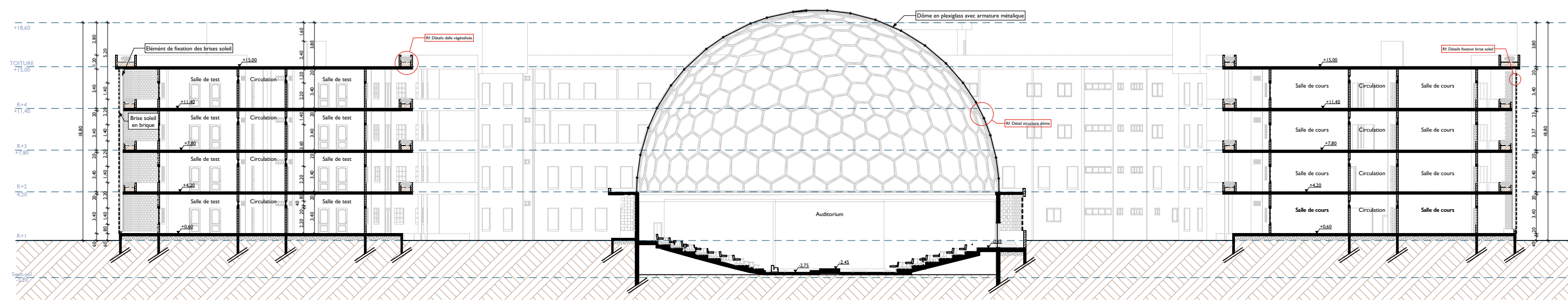
Elevations



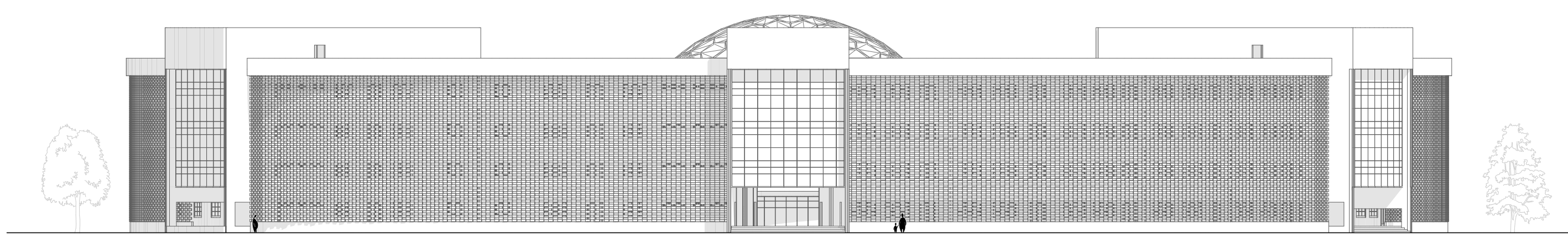
COUPE A-A



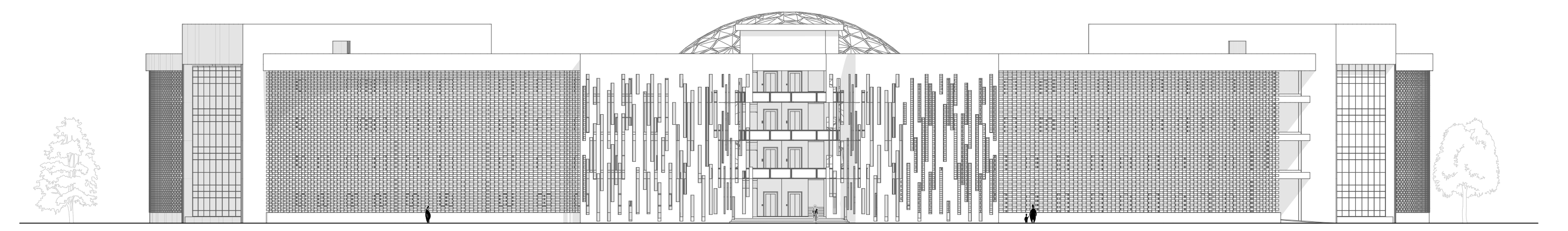
COUPE C-C



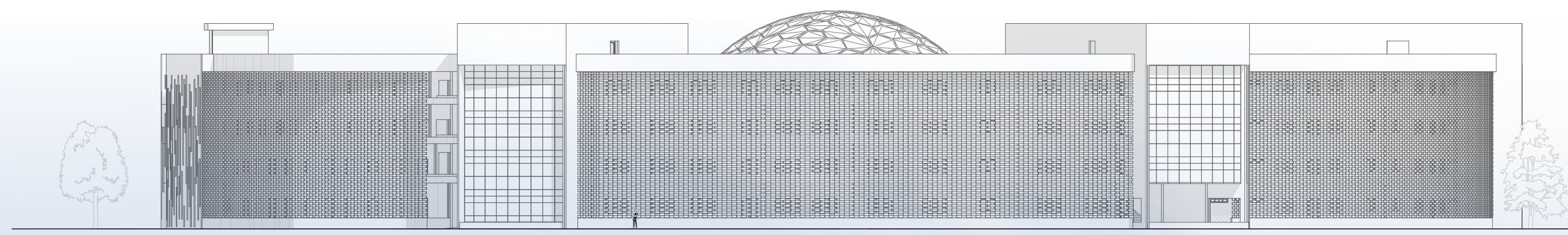
COUPE B-B



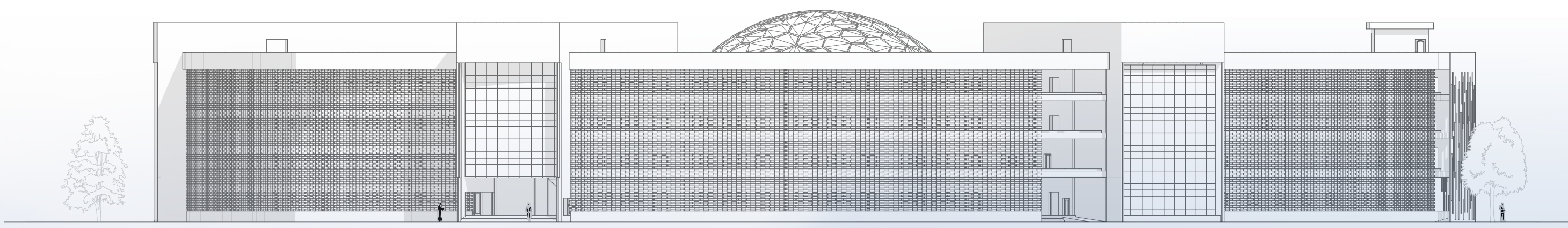
FACADE ARRIERE



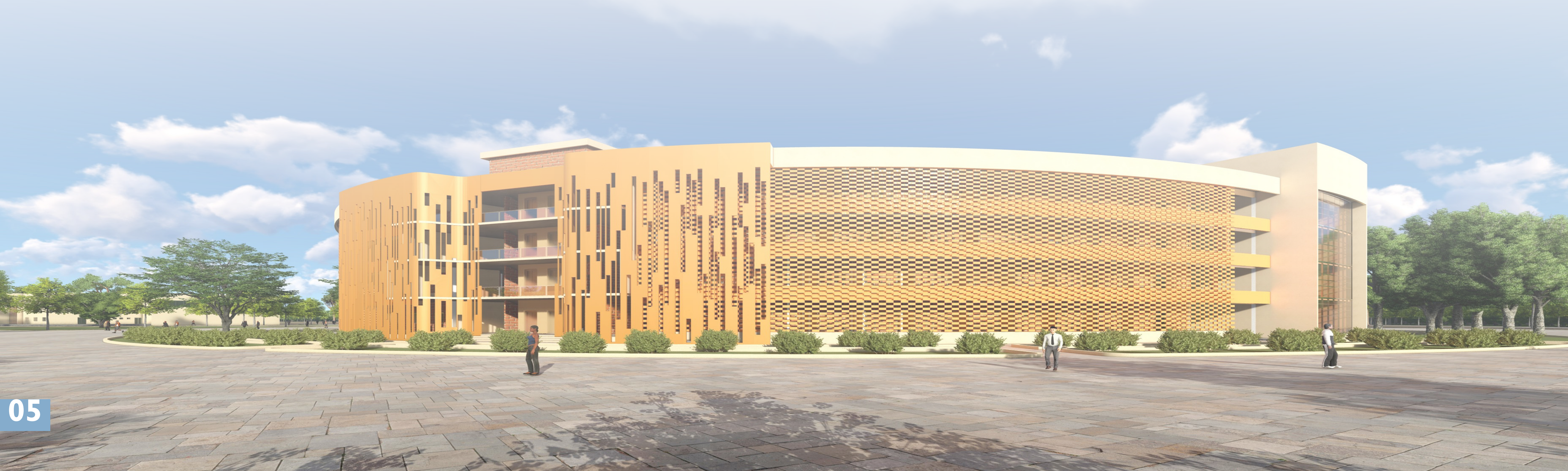
FACADE PRINCIPALE



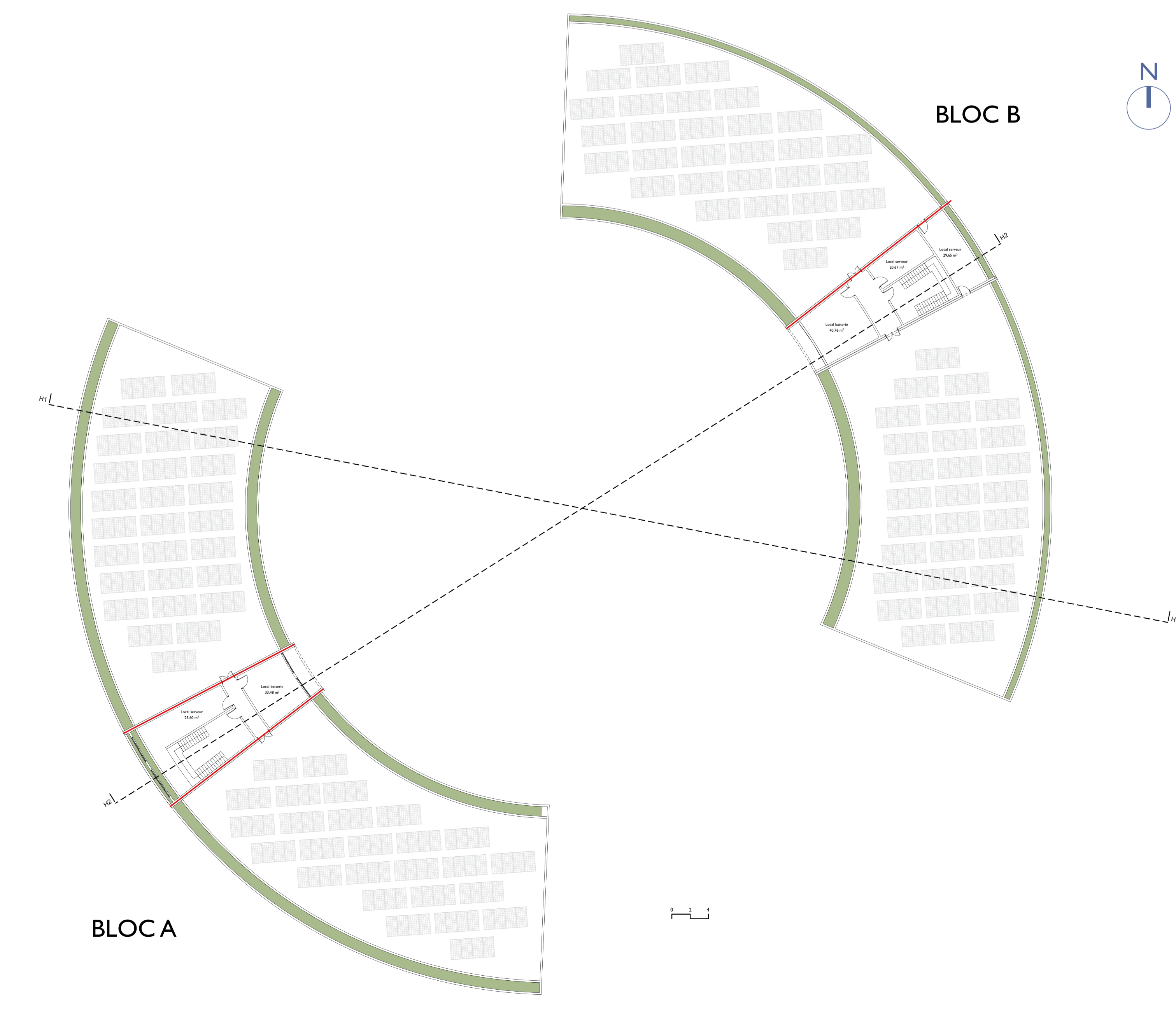
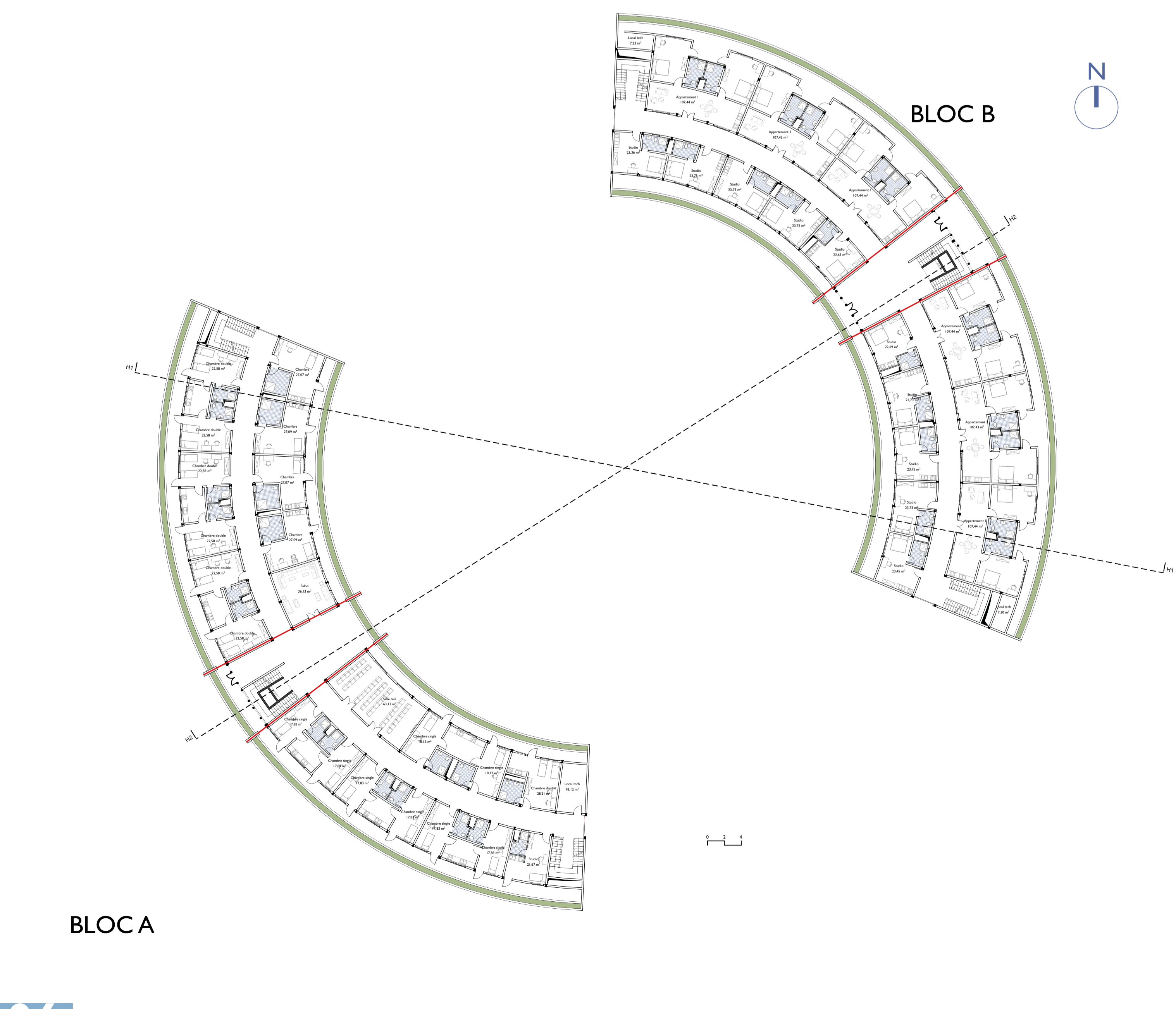
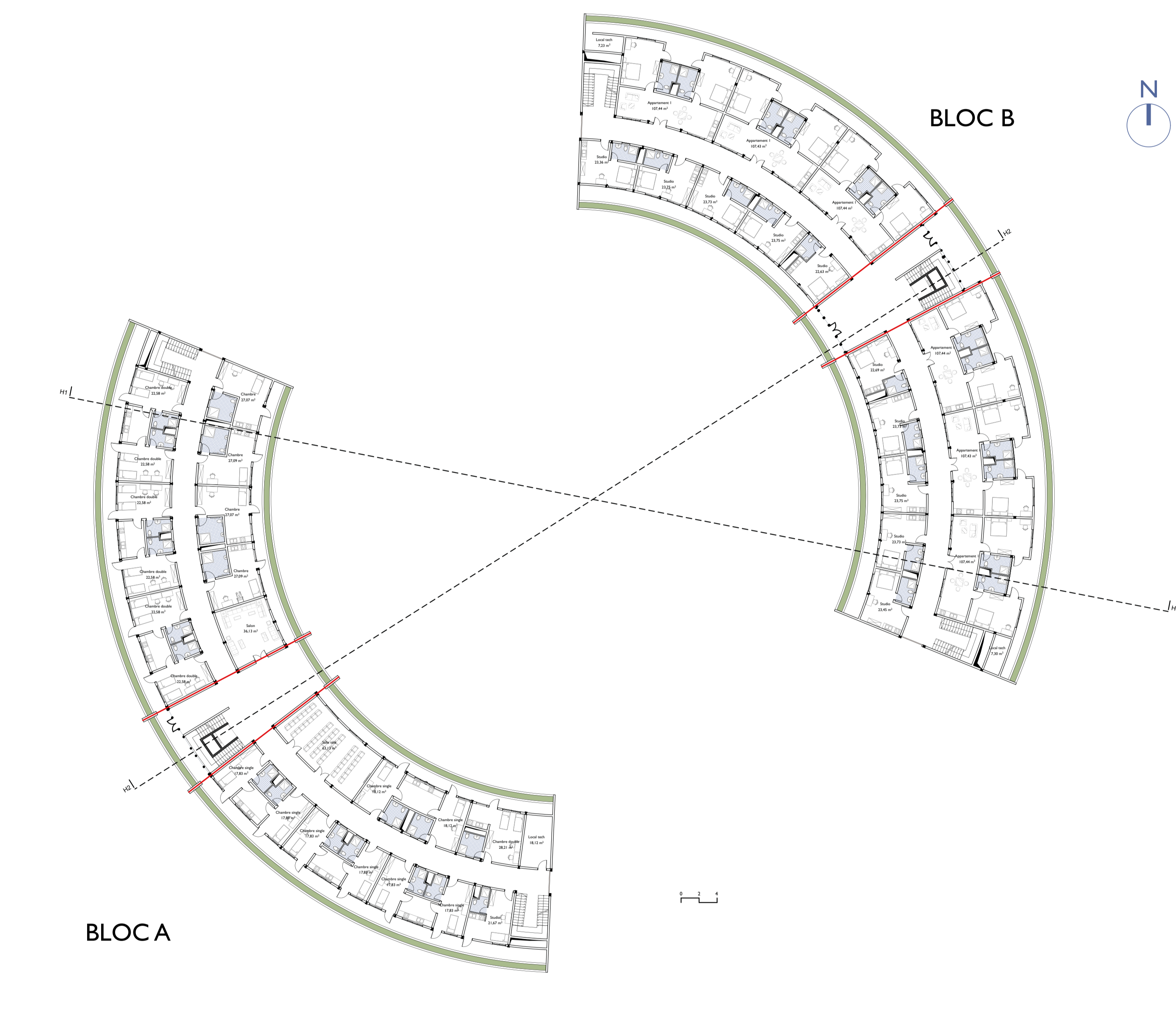
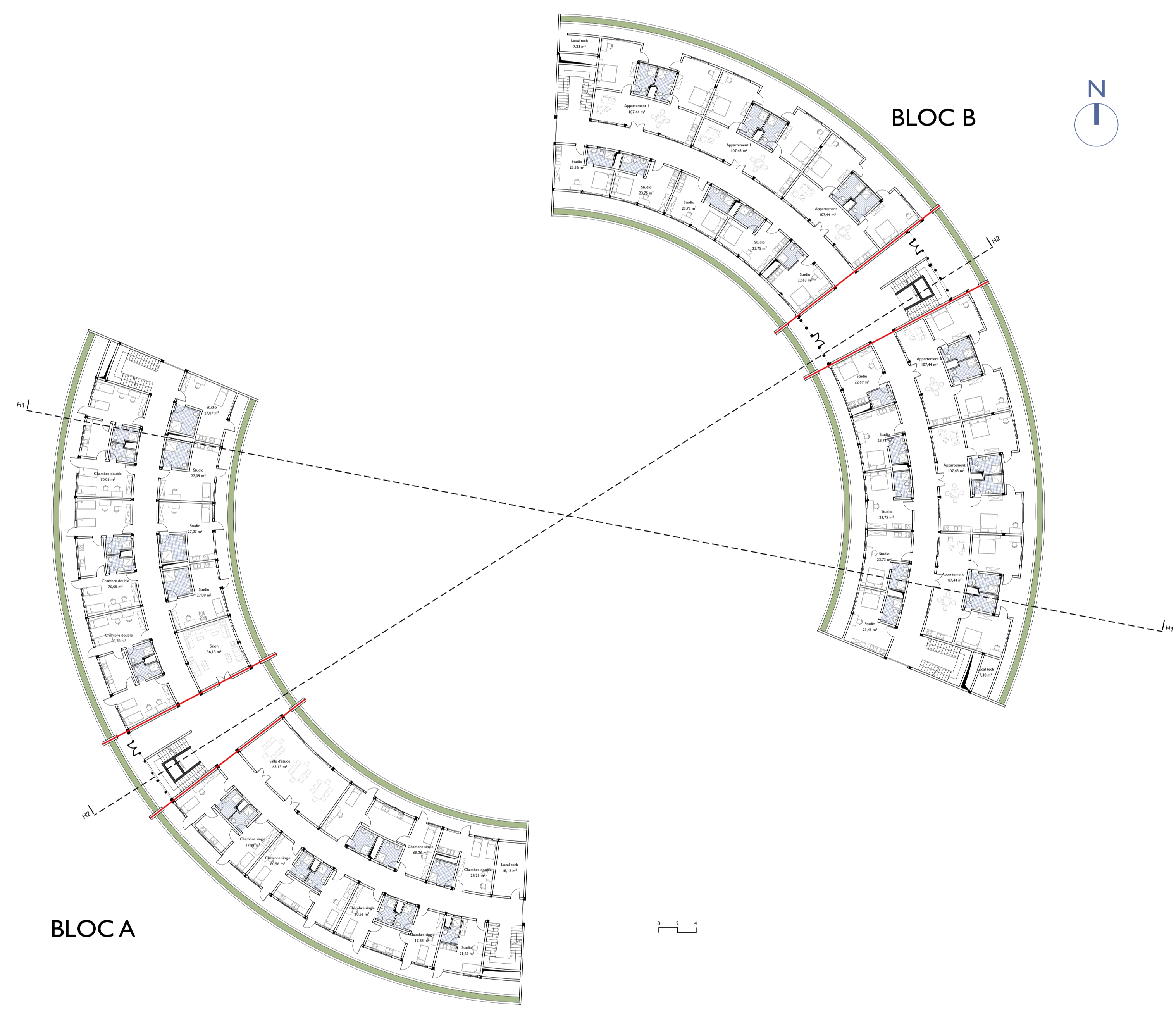
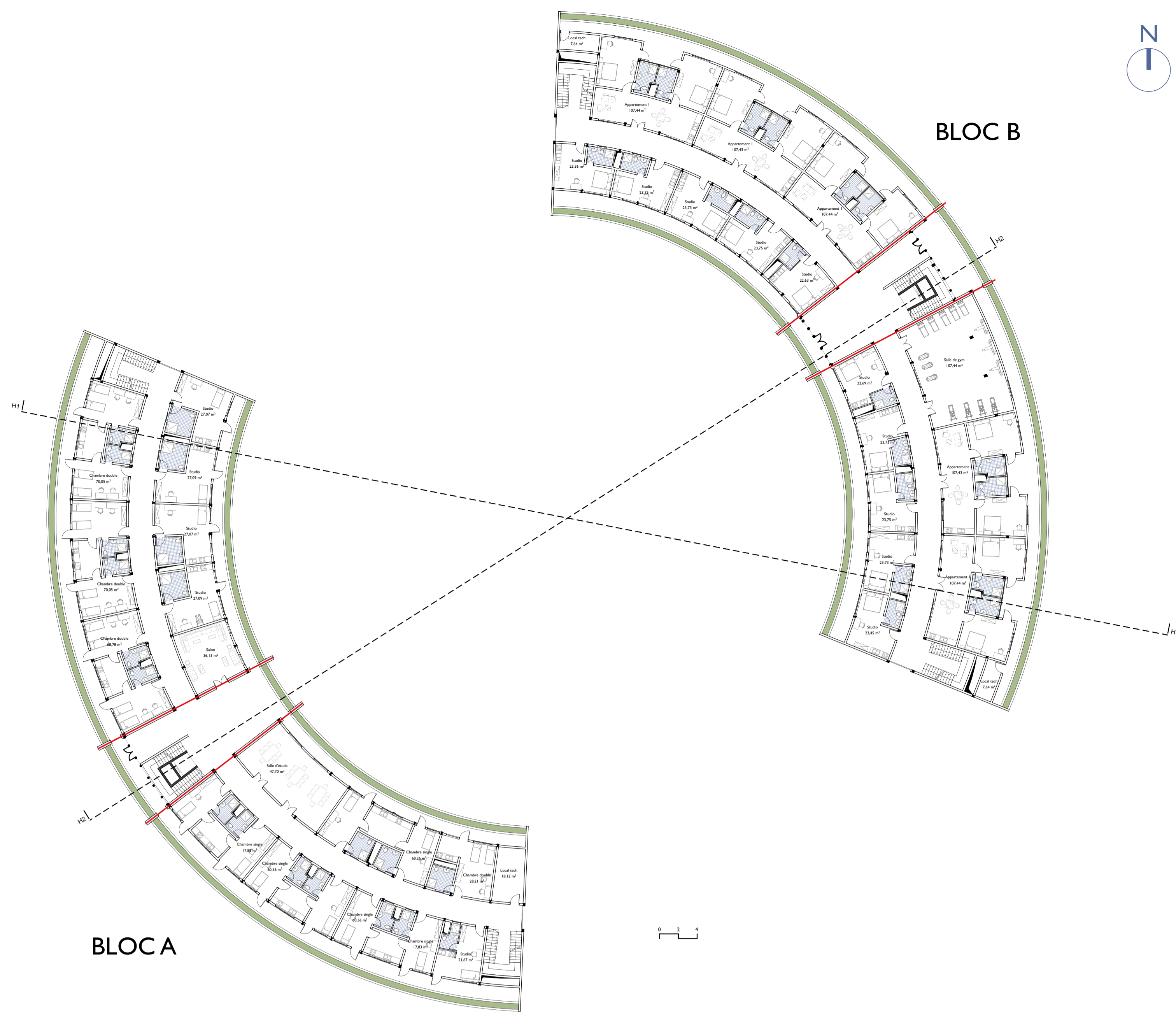
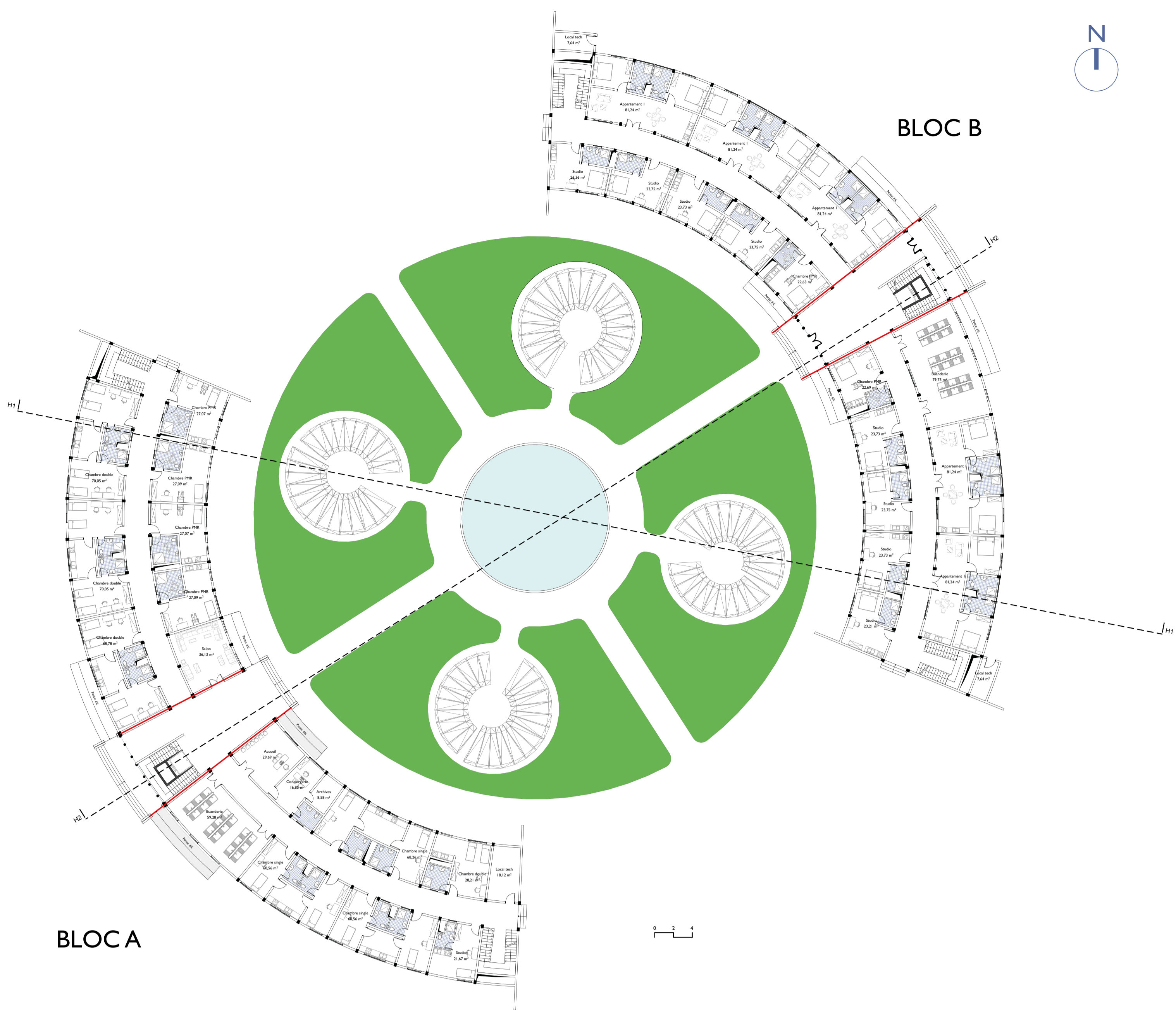
FACADE LATERALE DROITE



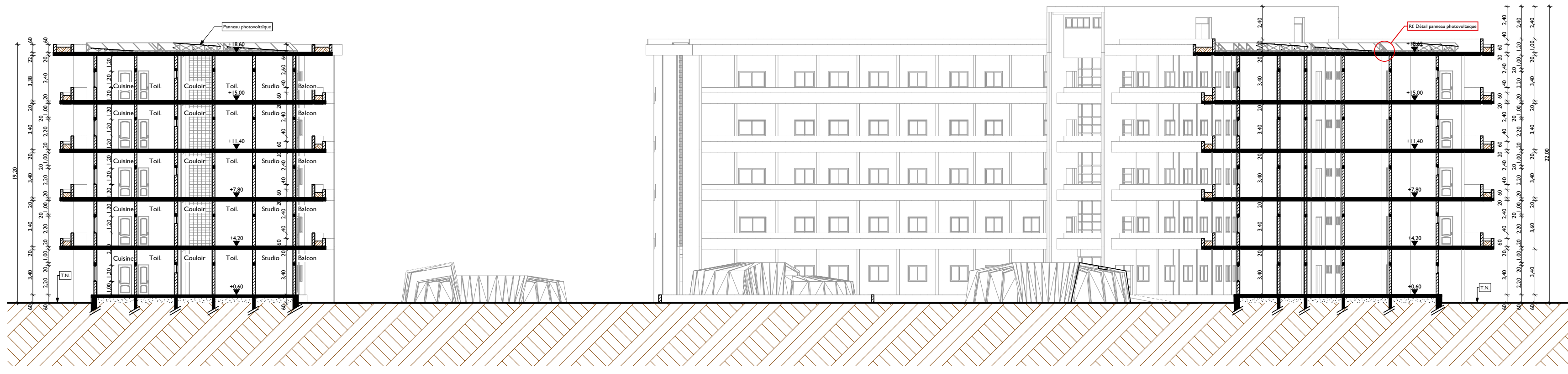
FACADE LATERALE GAUCHE



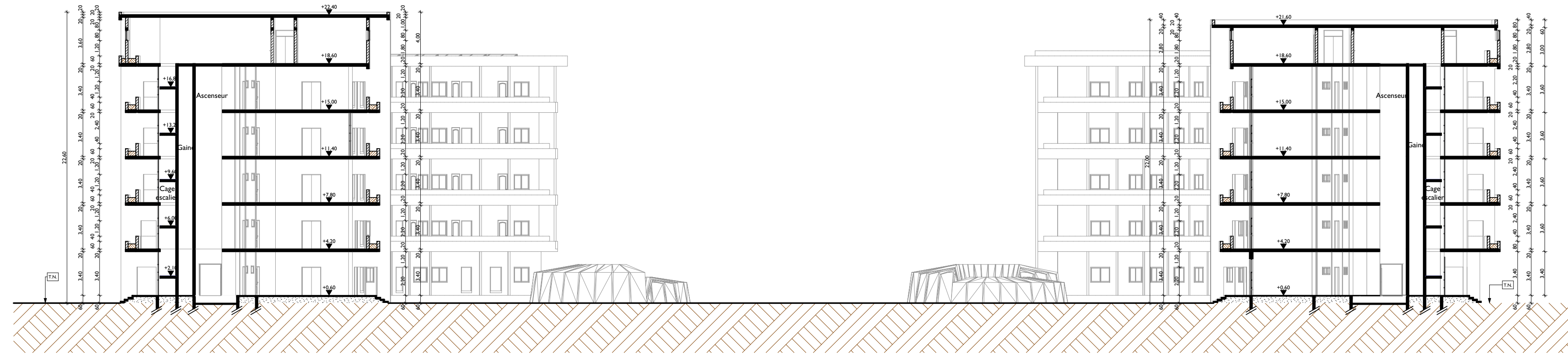
Hébergements



PROPOSITION ARCHITECTURALE



COUPE H₁-H₁



COUPE H₂-H₂

BLOCA



FACADE PRINCIPALE



FACADE LATERALE DROITE



FACADE ARRIERE

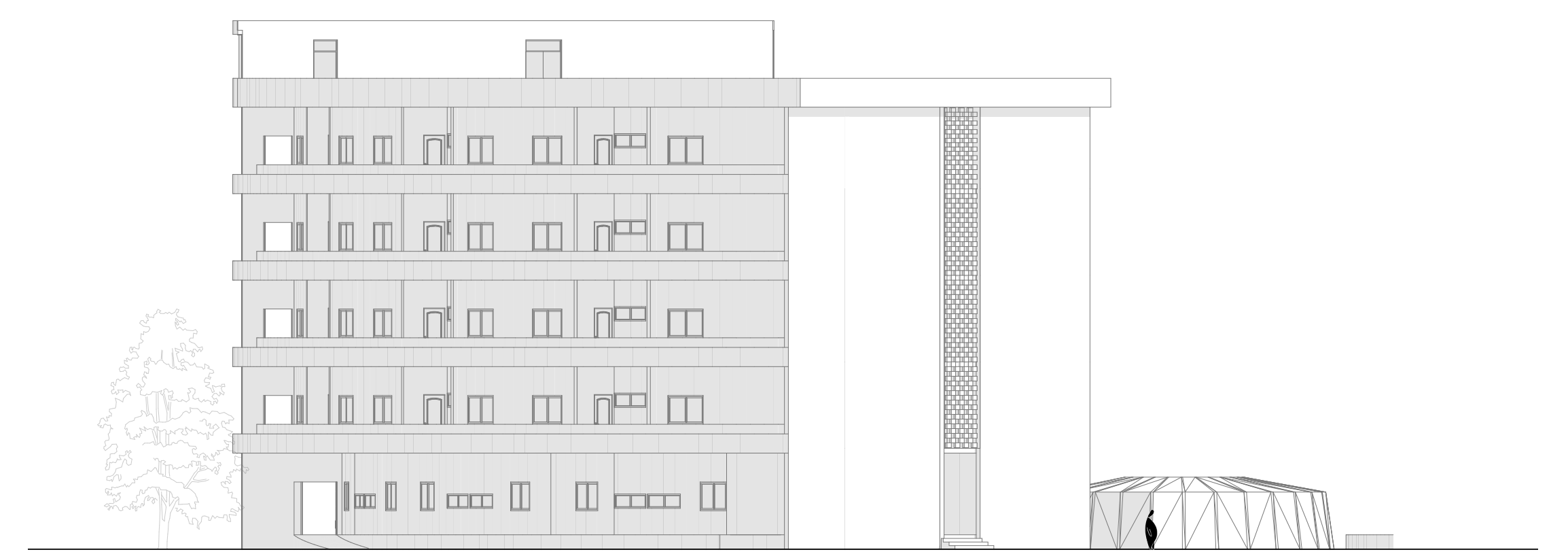


FACADE LATERALE GAUCHE

BLOC B



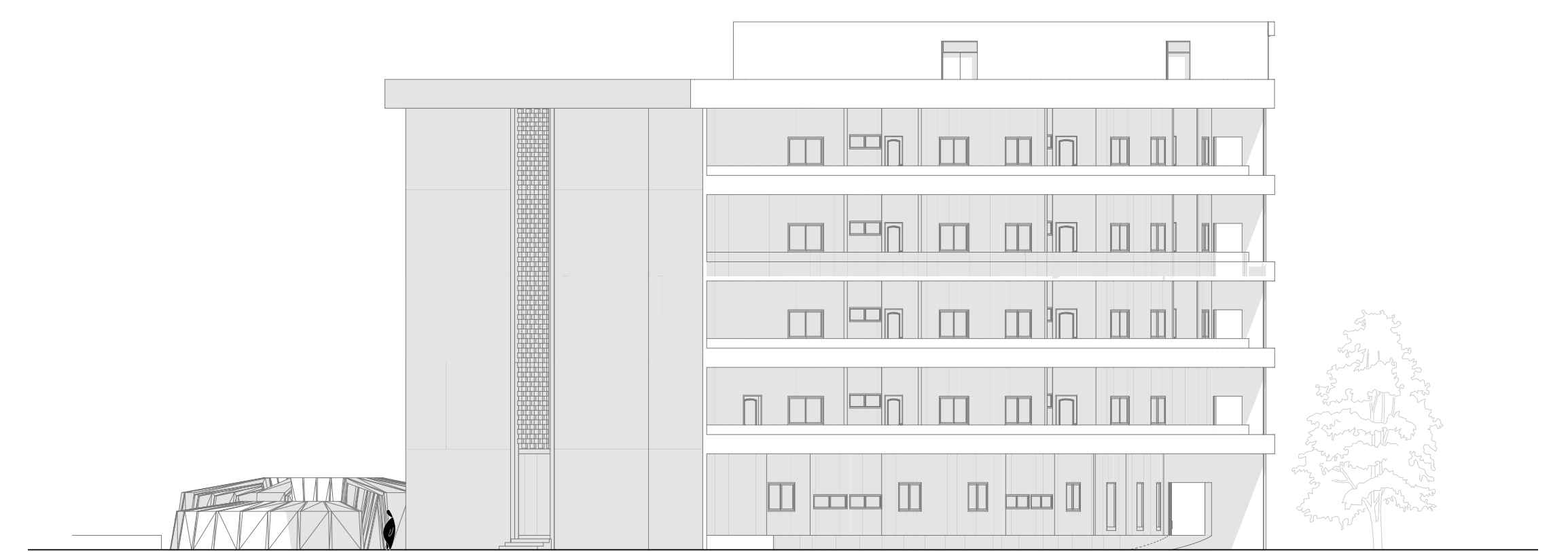
FACADE PRINCIPALE



FACADE LATERALE DROITE

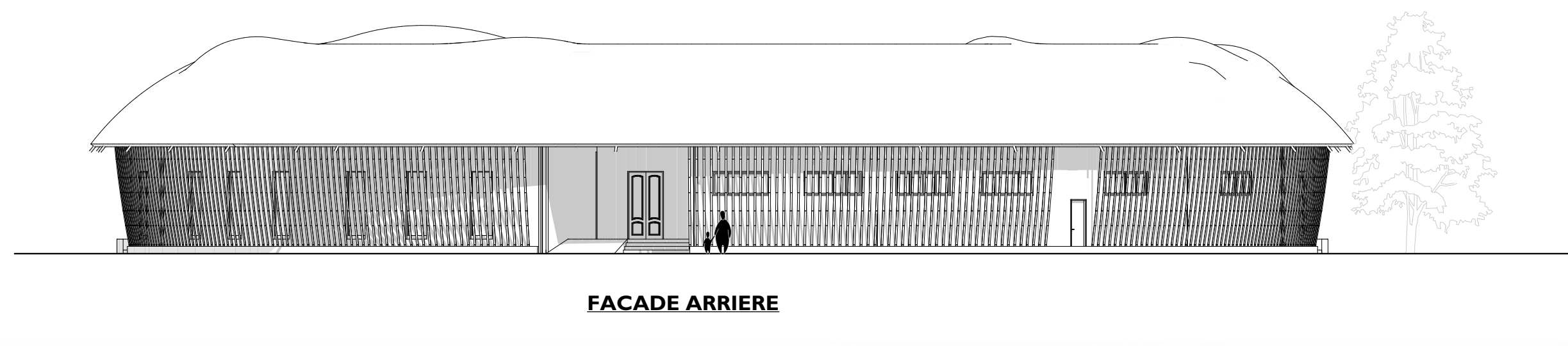
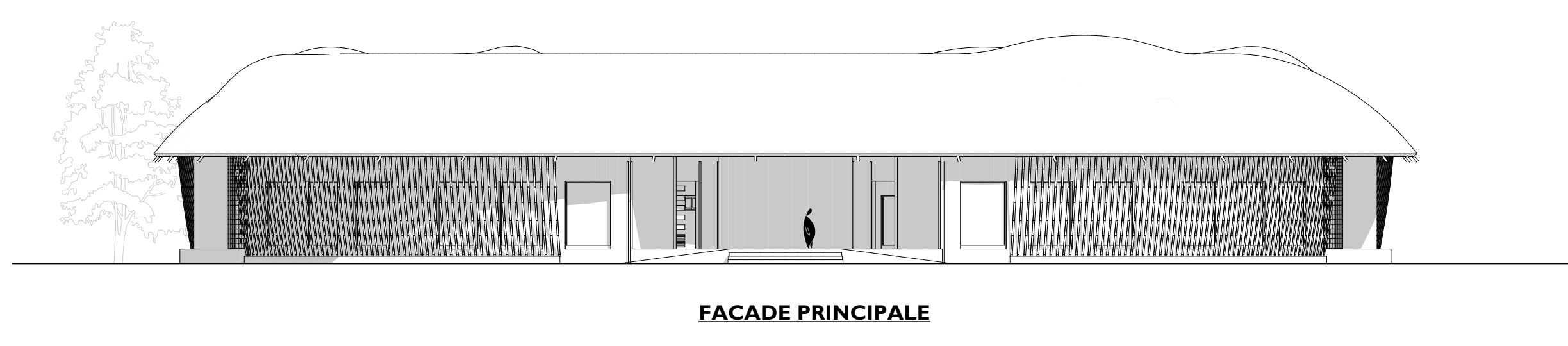
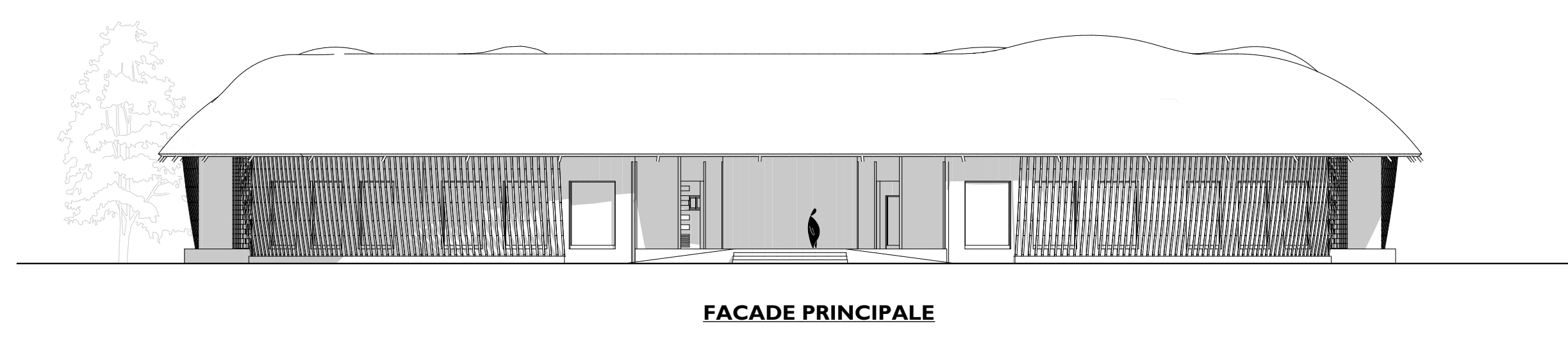
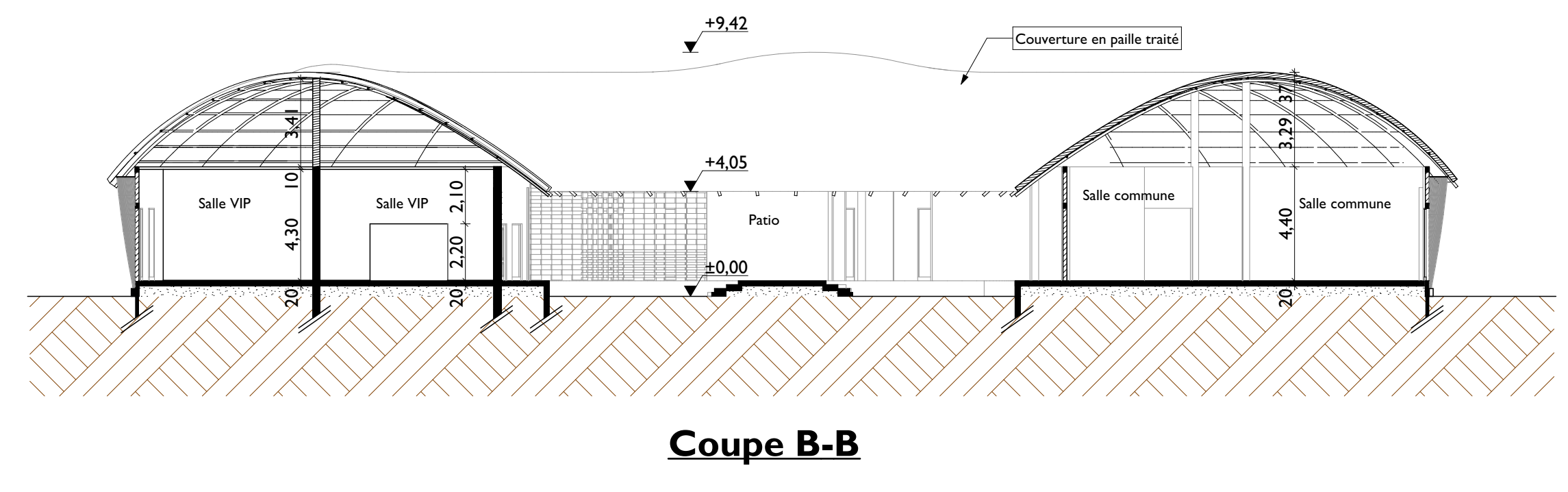
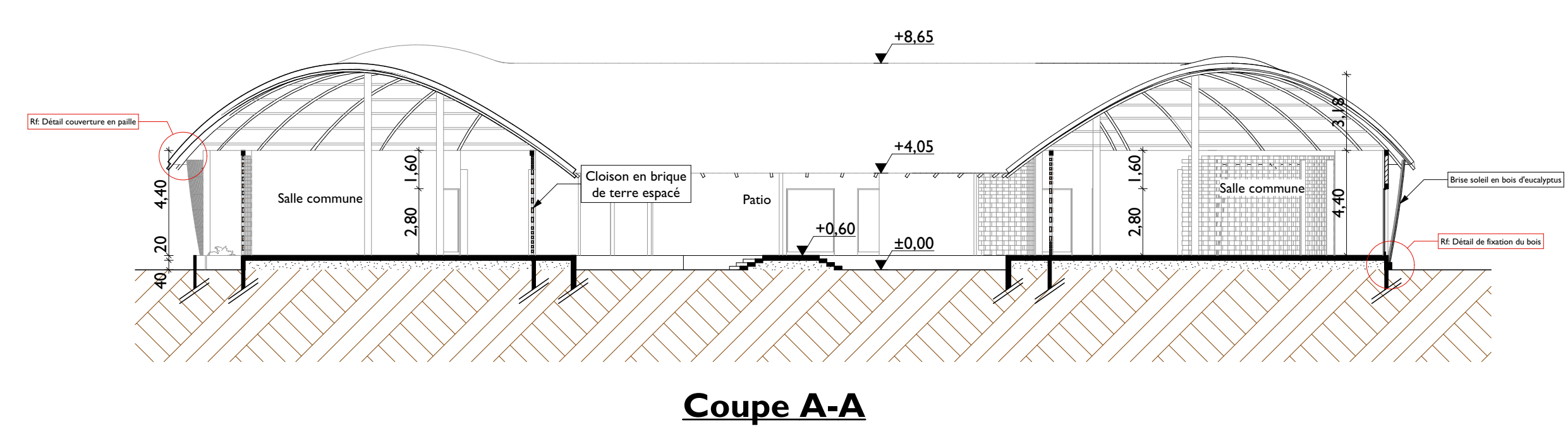
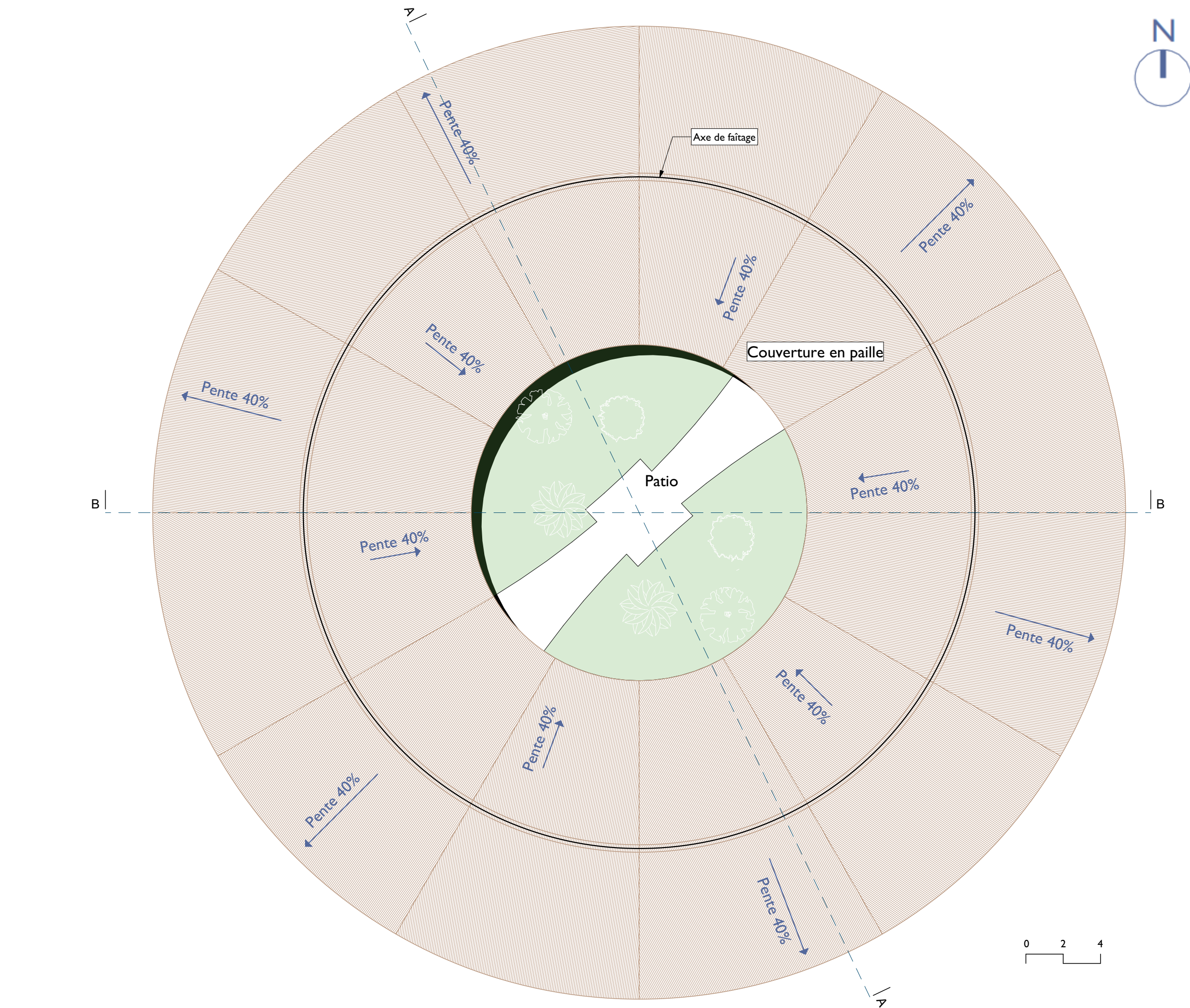
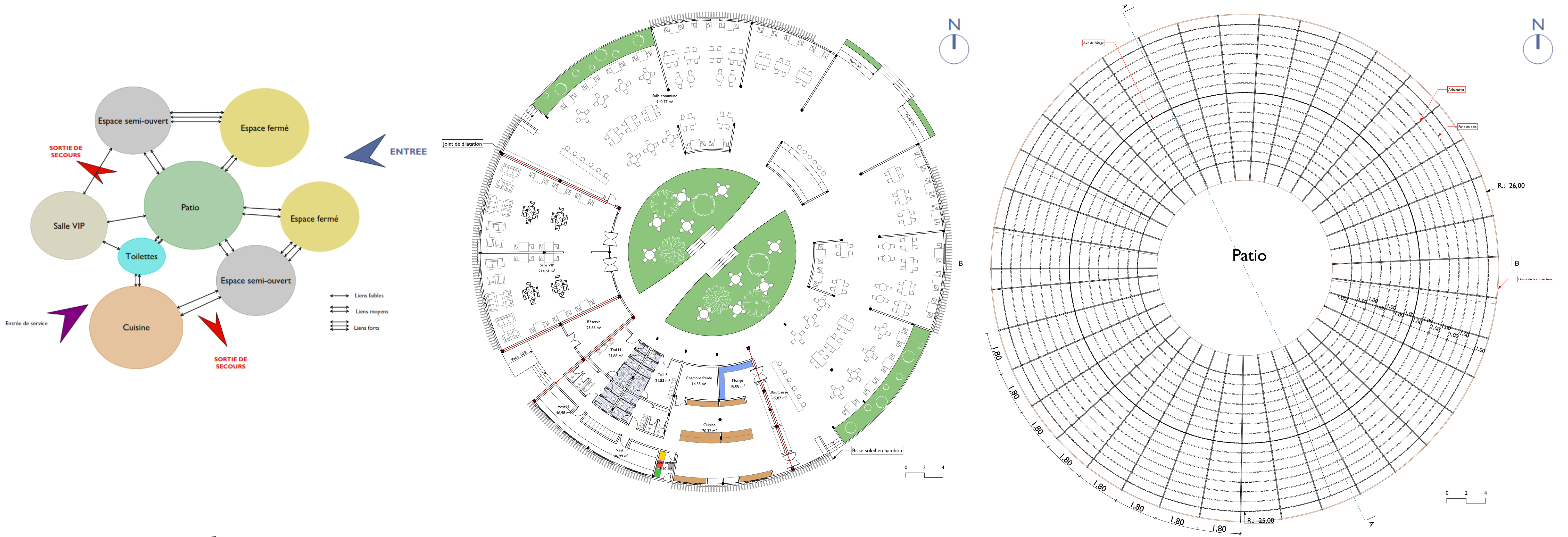


FACADE ARRIERE

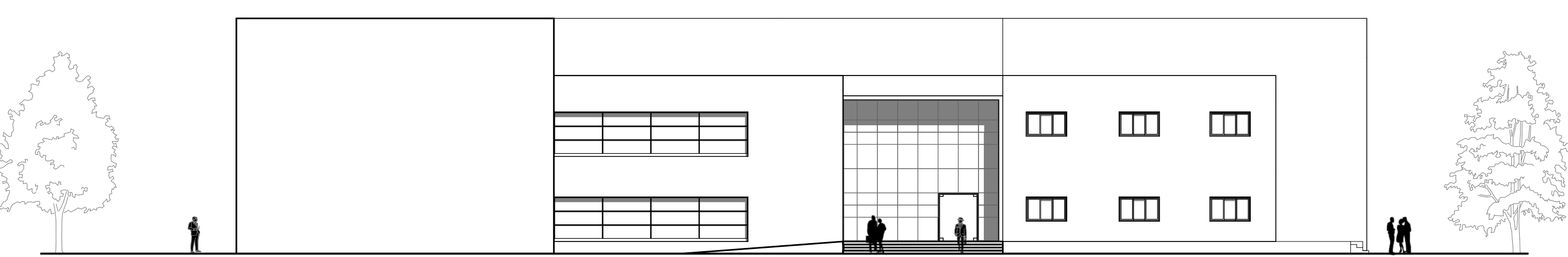
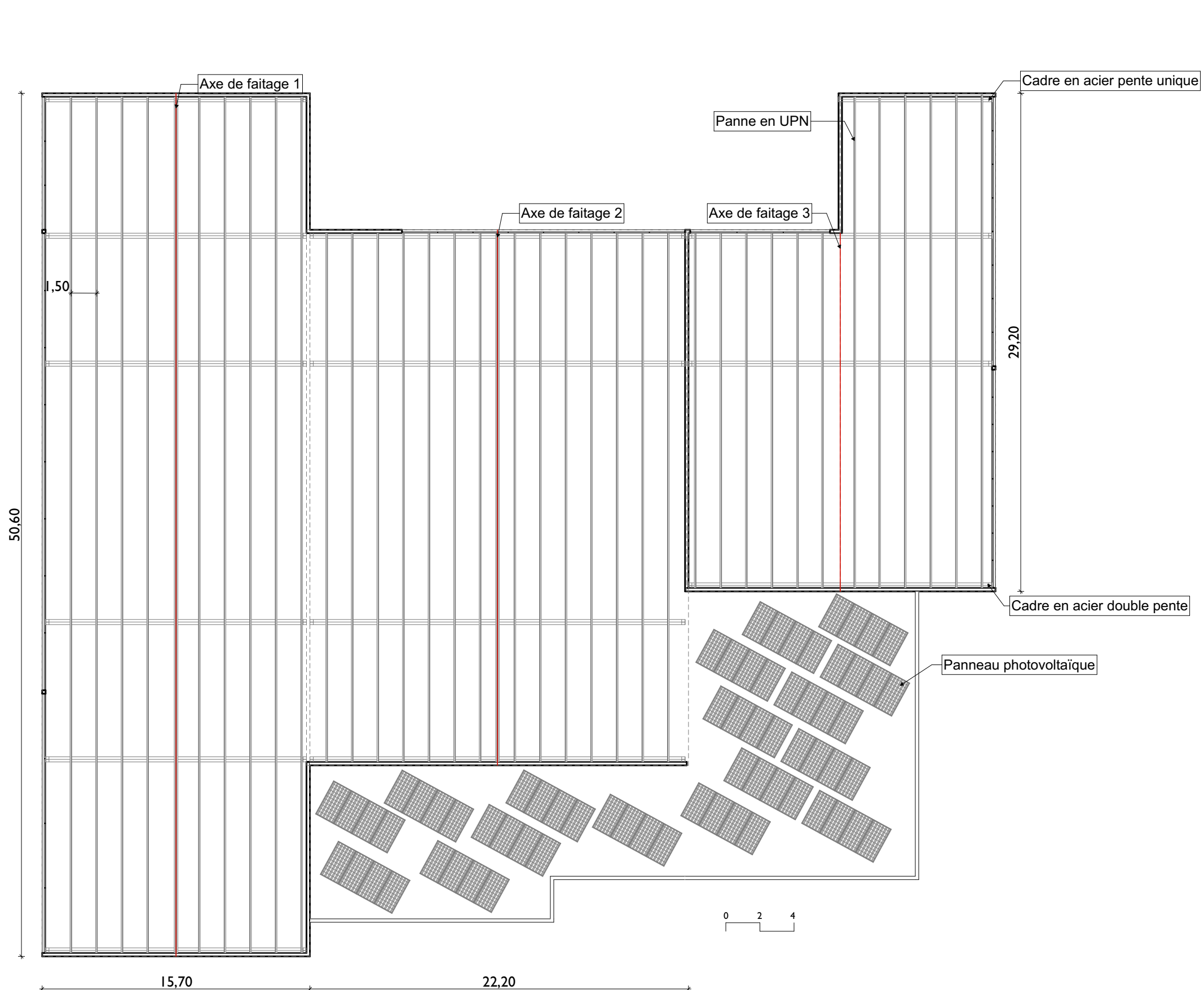
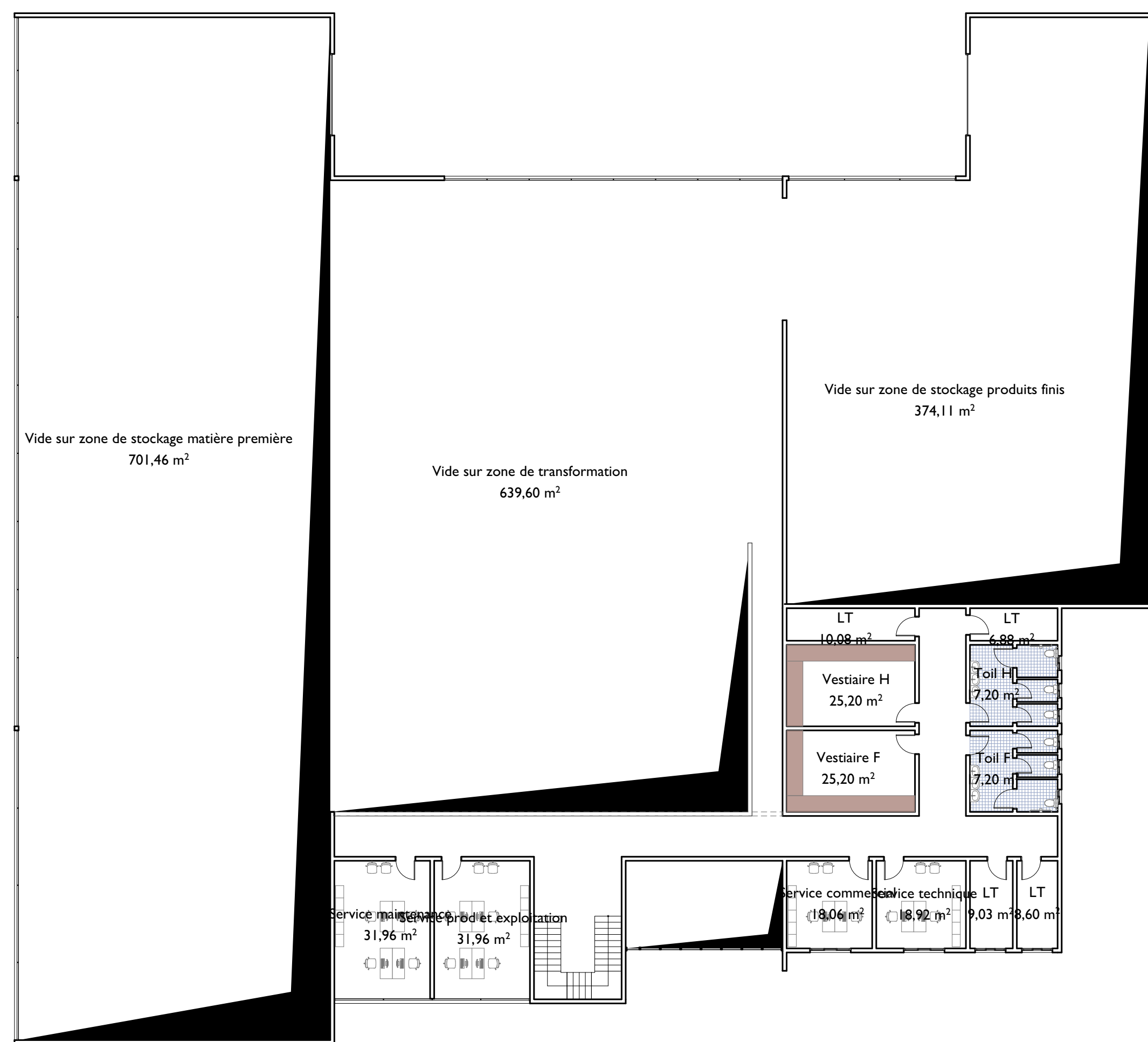
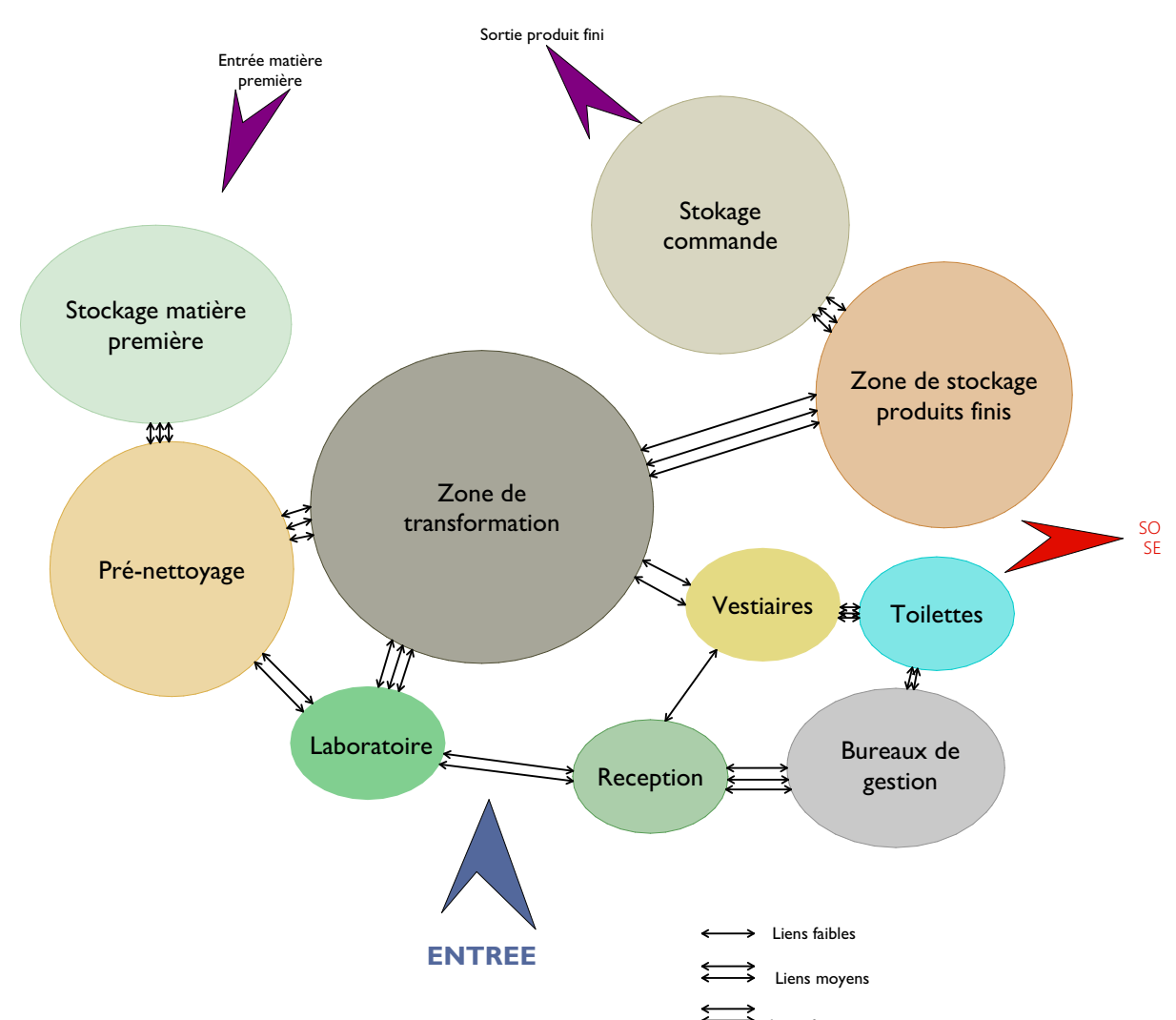


FACADE LATERALE GAUCHE

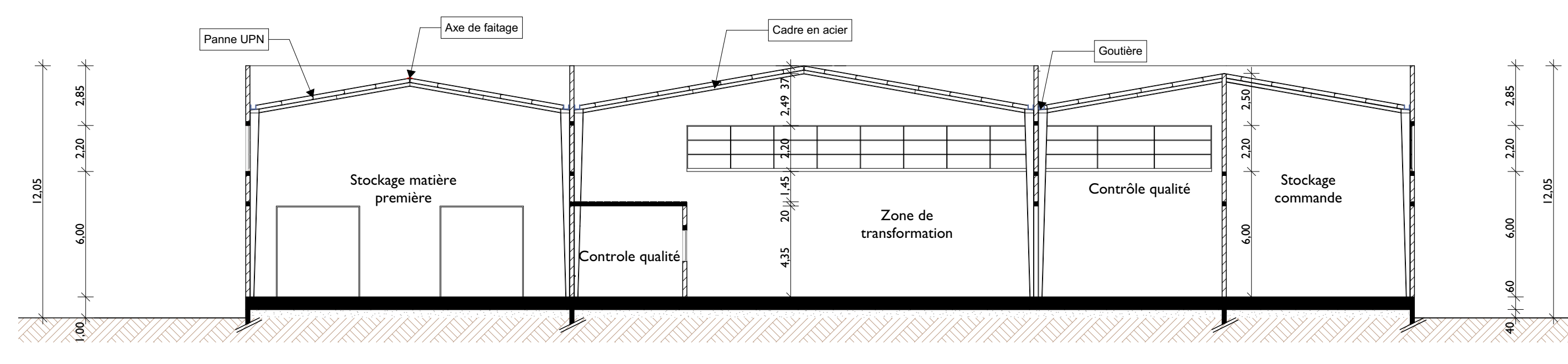




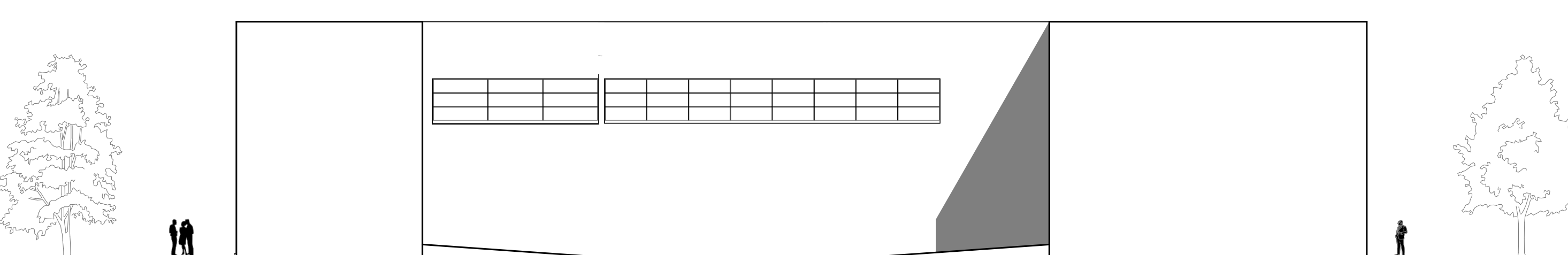
Equipements d'accompagnement : Usine de transformation



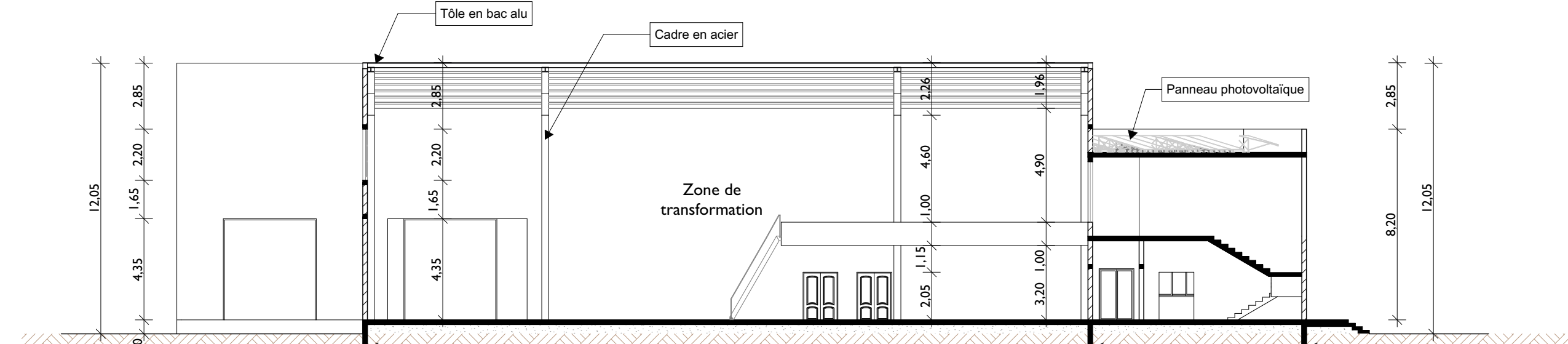
Facade principale



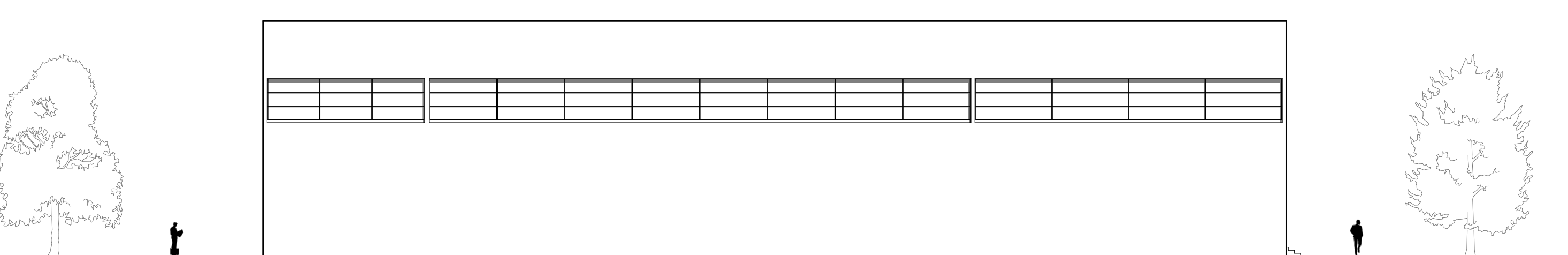
Coupe U1-U1



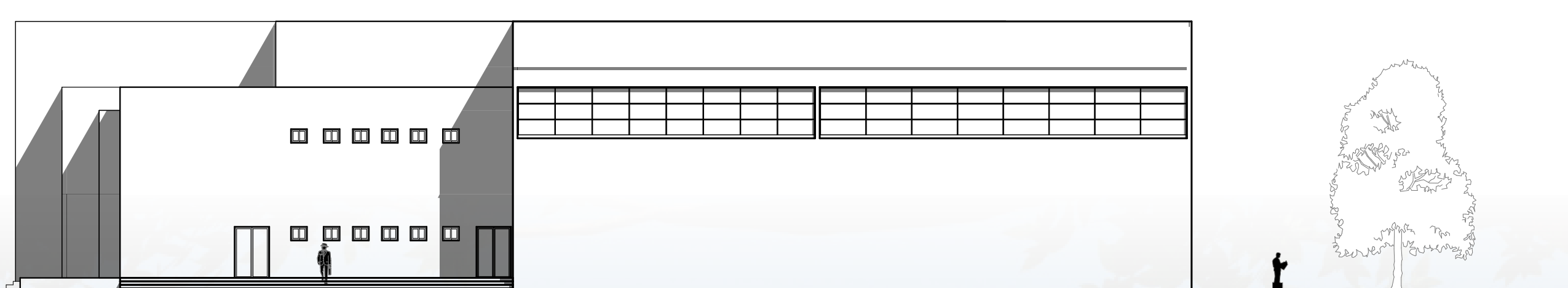
Facade arrière



Coupe U2-U2



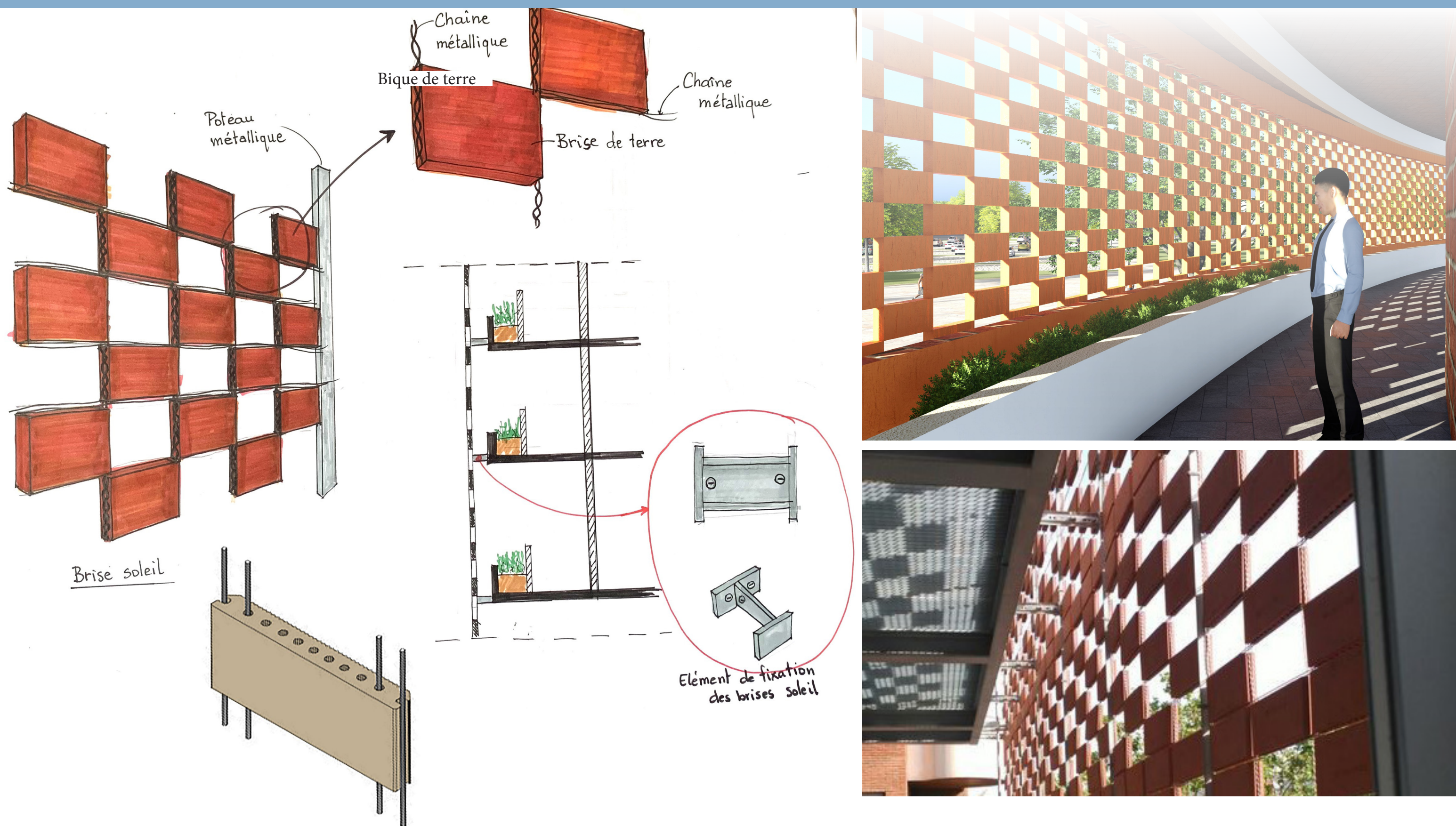
Facade latérale gauche



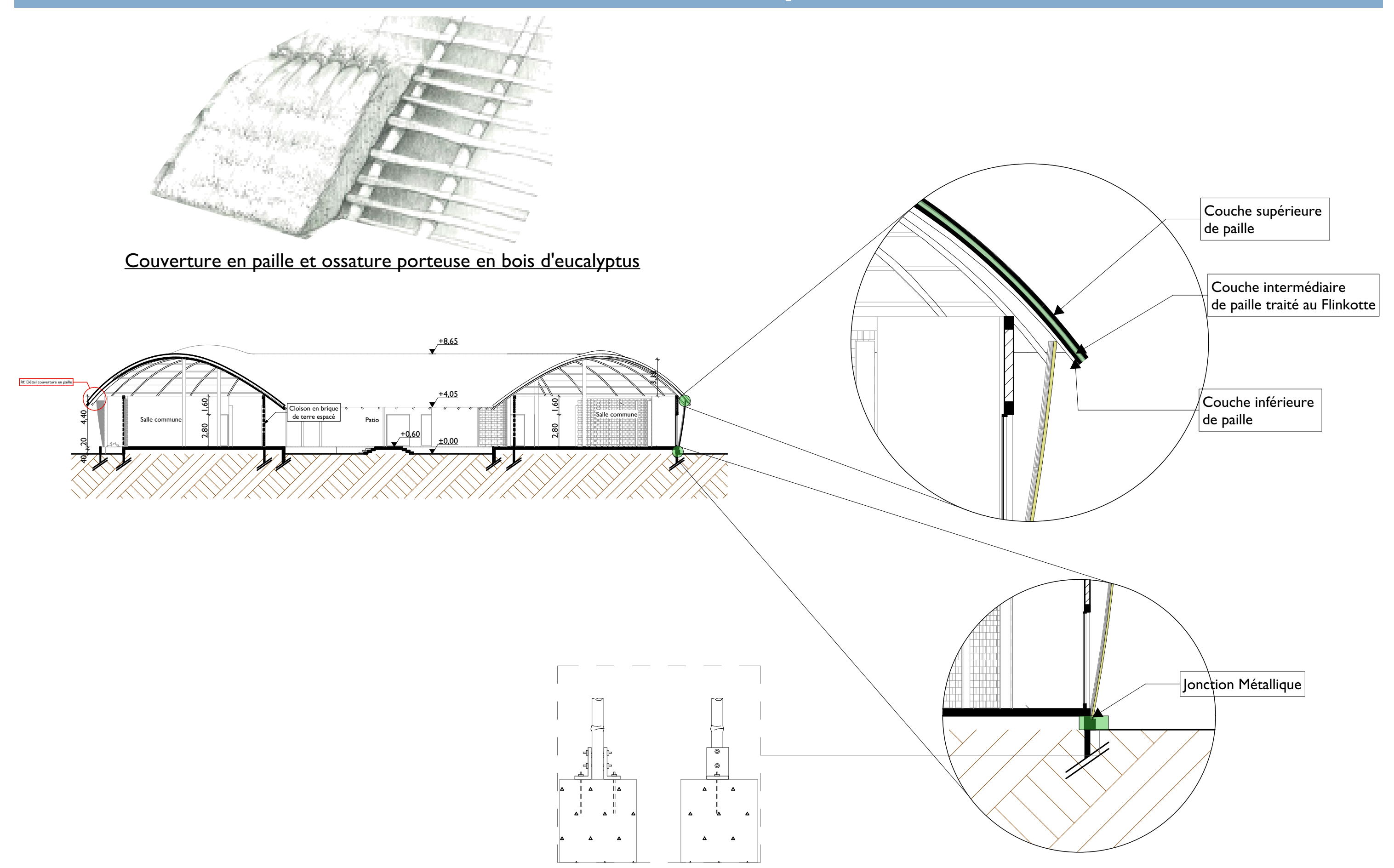
Facade latérale droite



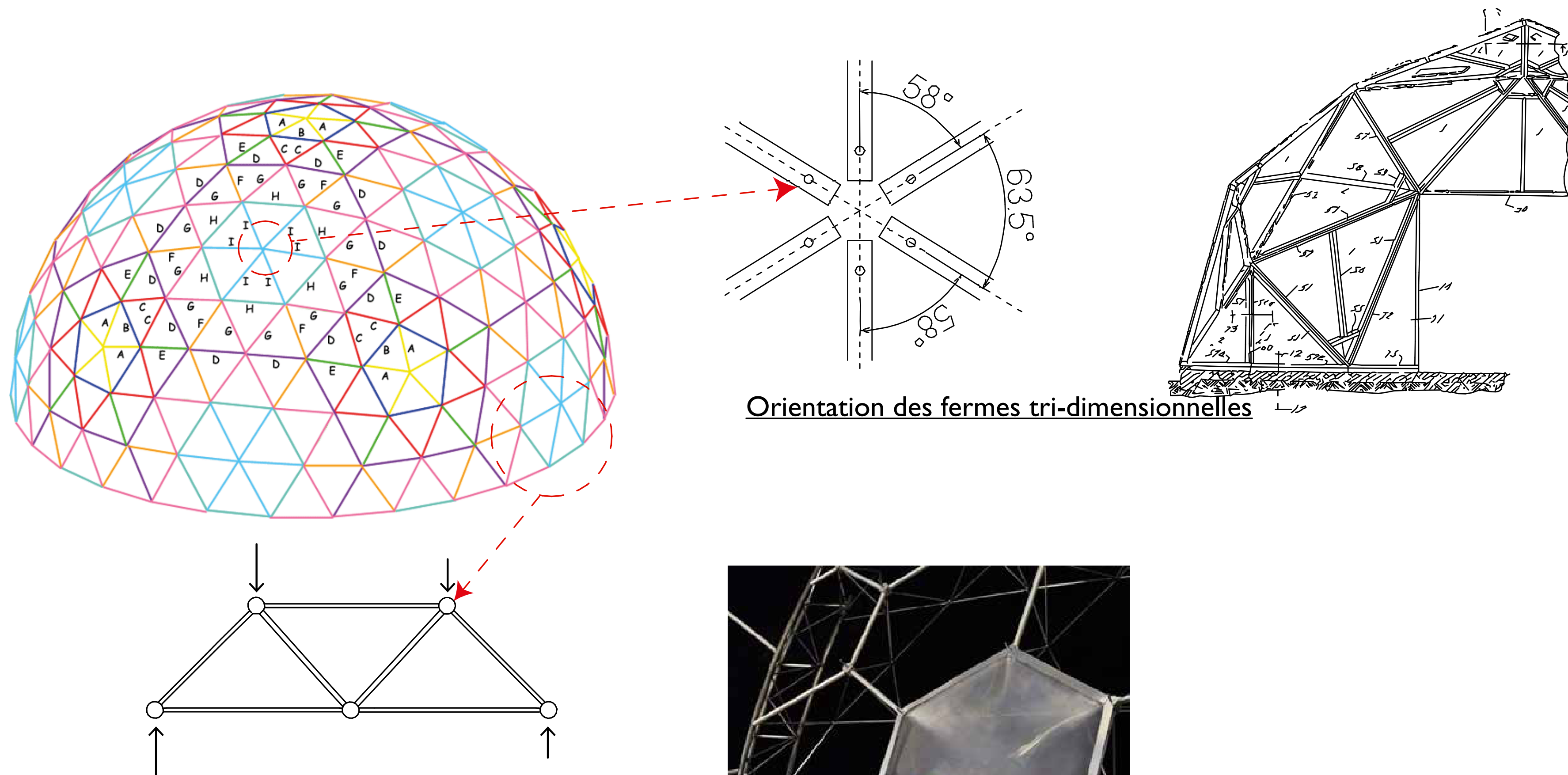
Brise soleil



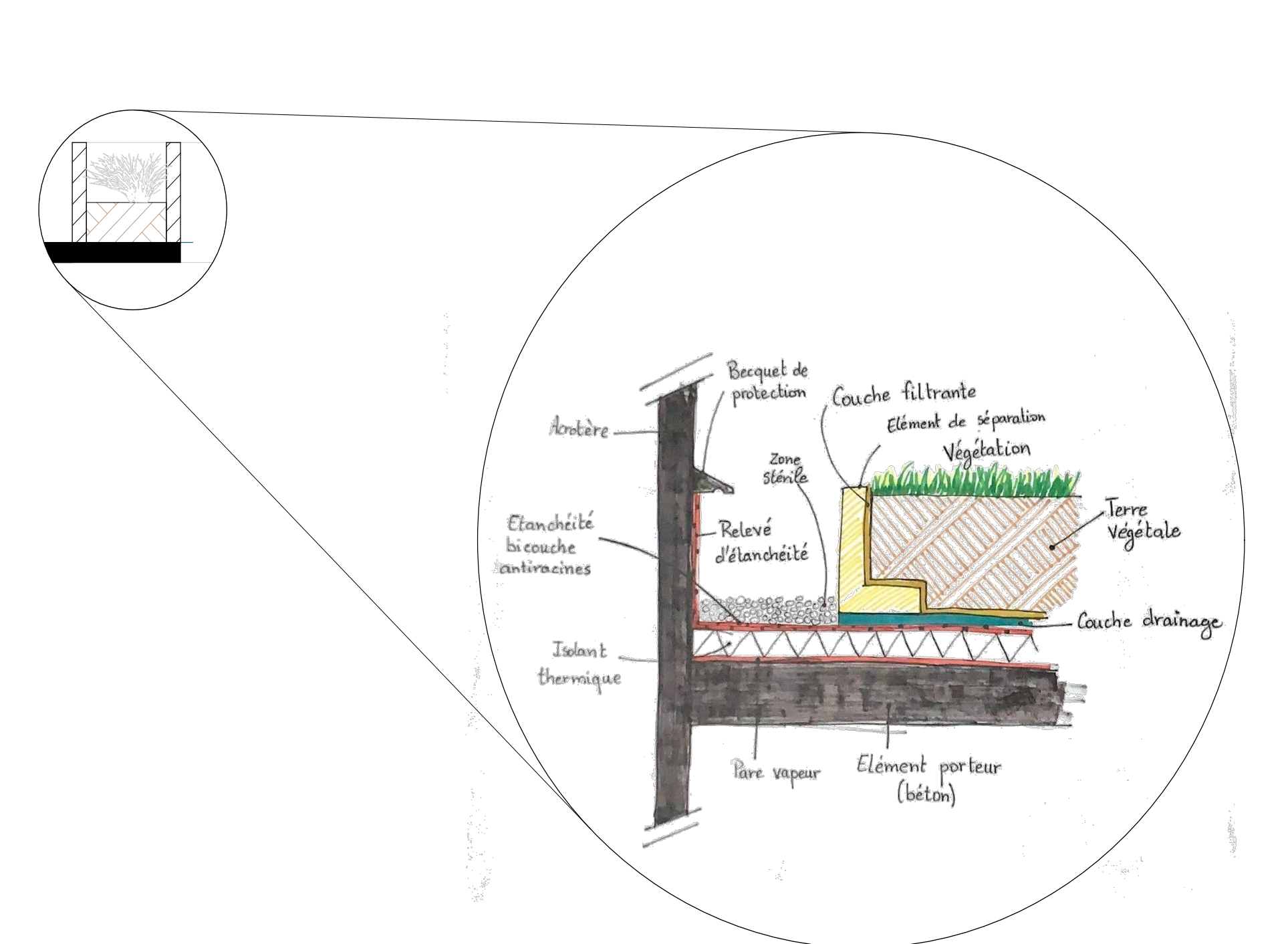
Couverture en paille



Structure dôme

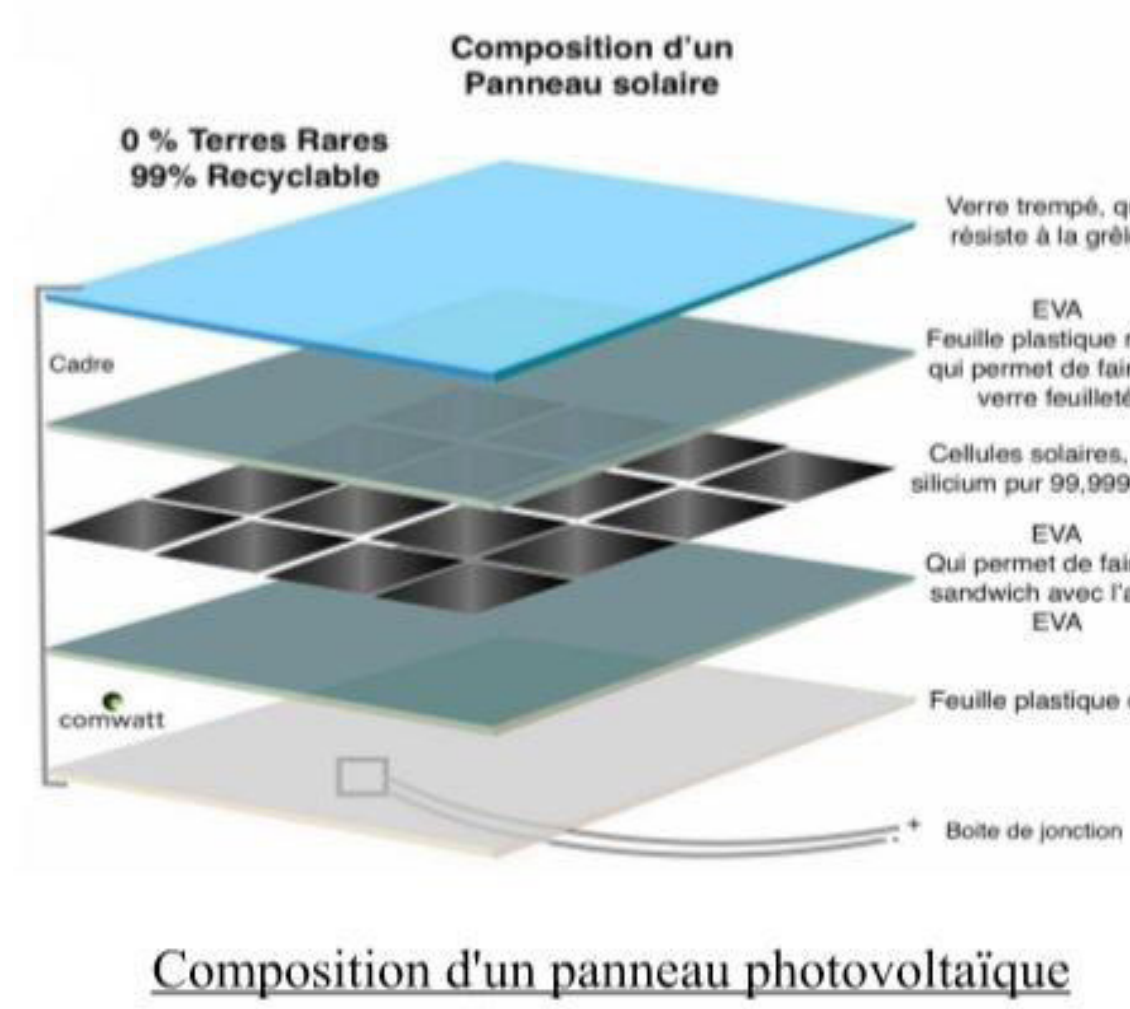


Dalle végétalisée

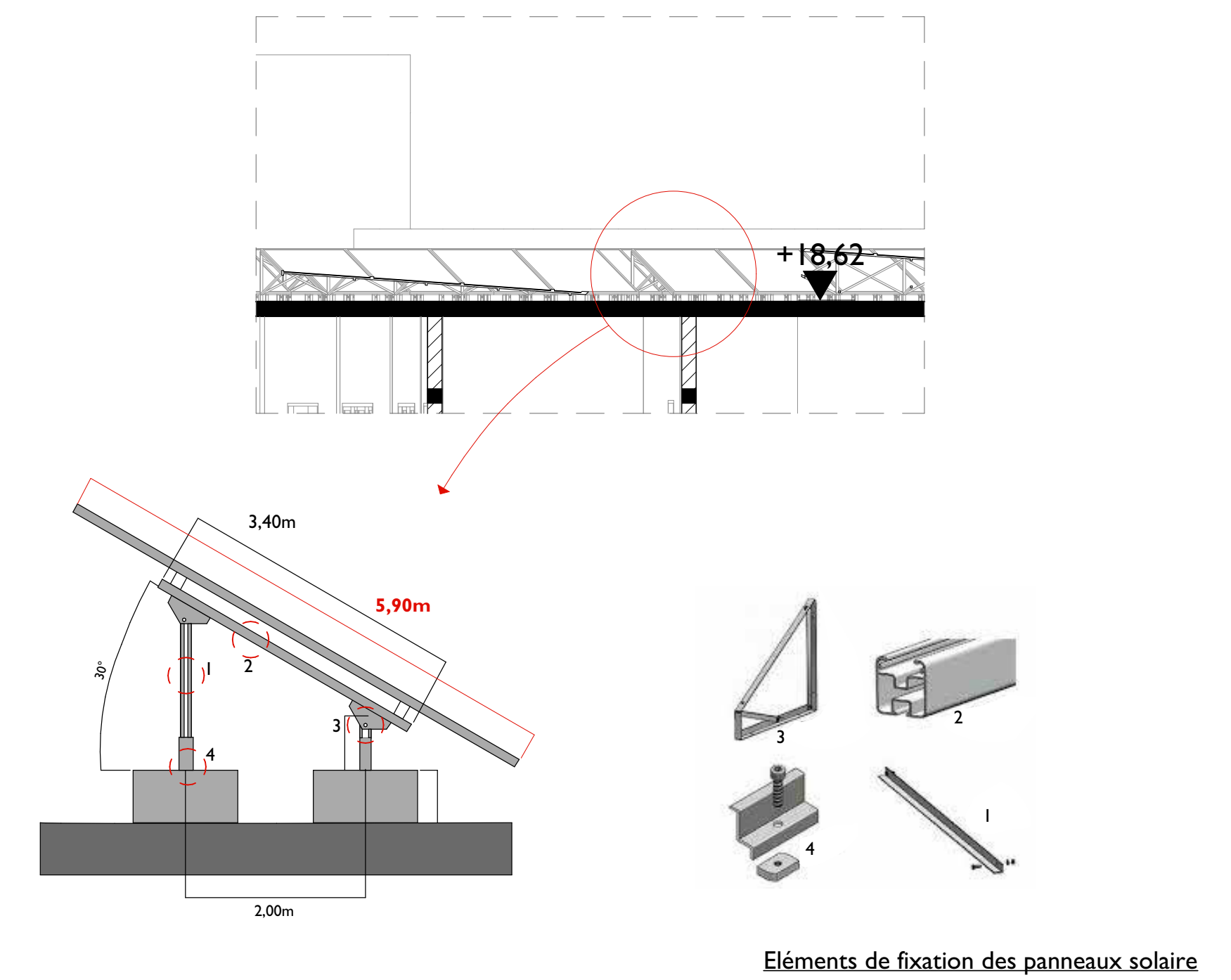


Simulation de la mise en oeuvre

Panneaux photovoltaïques



Composition d'un panneau photovoltaïque



Éléments de fixation des panneaux solaire





