

870 av. de Salaberry,
Québec, Qc
G1R 2T9

BOON
ARCHITECTURE

| **Conférence Vivre en Ville |**
Missing Middle Housing

N 46° 47' 53.061"
O 71° 14' 21.934"

+1 418 524-3666
info@boonarchitecture.ca

contexte

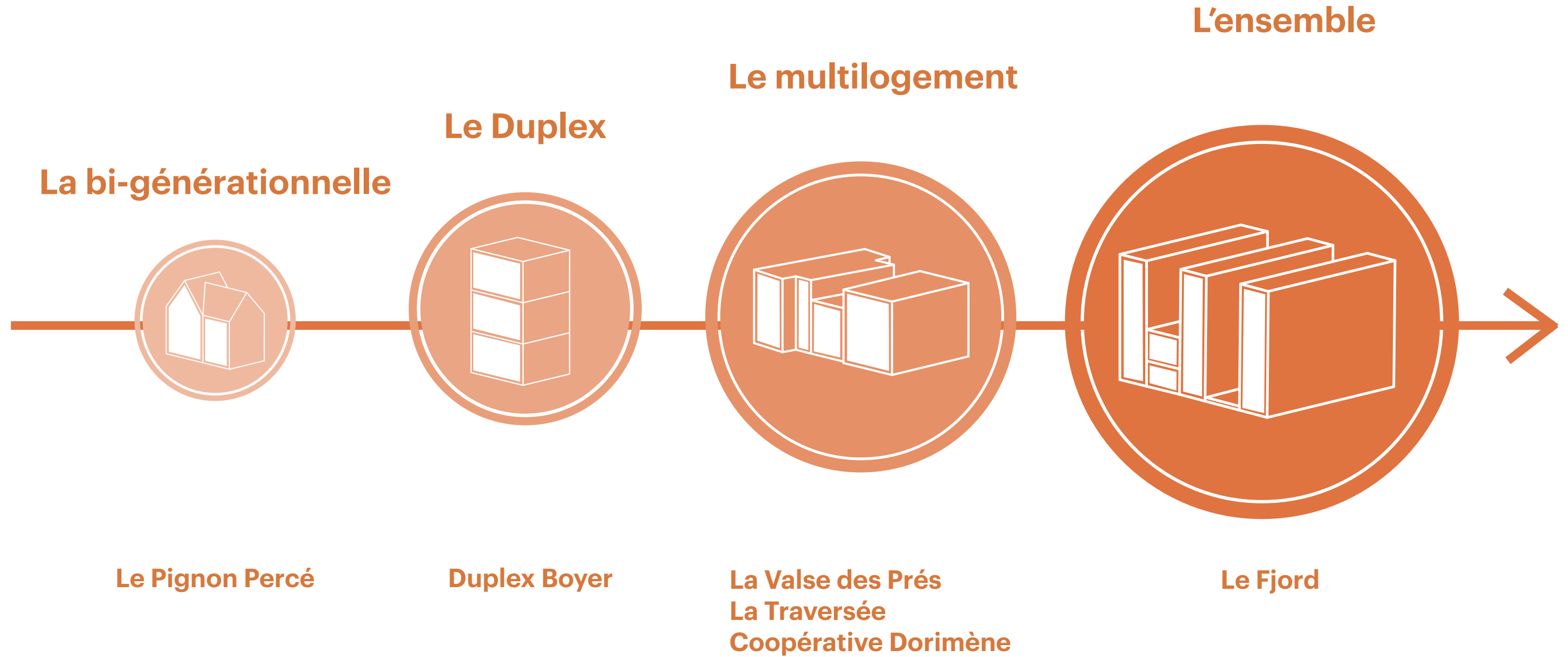
MANQUE DE “MIDDLE HOUSING” | CONTEXTE QUÉBÉCOIS

- *Manque de qualité versus qualité*
- *Incompréhension de la «palette d’habitations» du côté des municipalités et des promoteurs.*
- *Promoteurs ont l’habitude d’atteindre la rentabilité d’une seule façon*



Washington, 2023

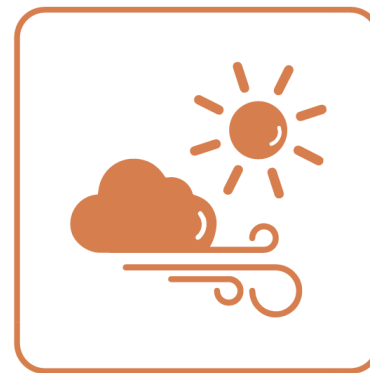
échelles



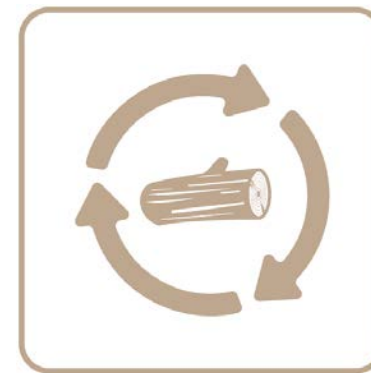
L'APPLICATION | LES STRATÉGIES BIOCLIMATIQUES



Aménagement
écologique des sites



Énergie renouvelable



Matière/Ressource
renouvelable



Innovation



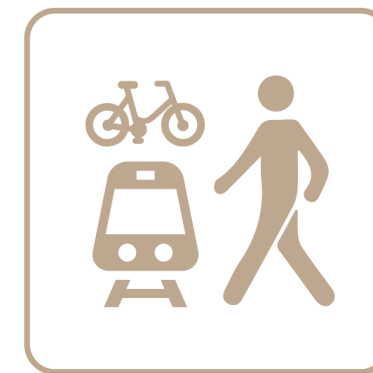
Gestion efficace de l'eau



Performance de
l'enveloppe



Confort/Qualité de
l'environnement
intérieur



Transport et
emplacement

projets



la bi-générationnelle

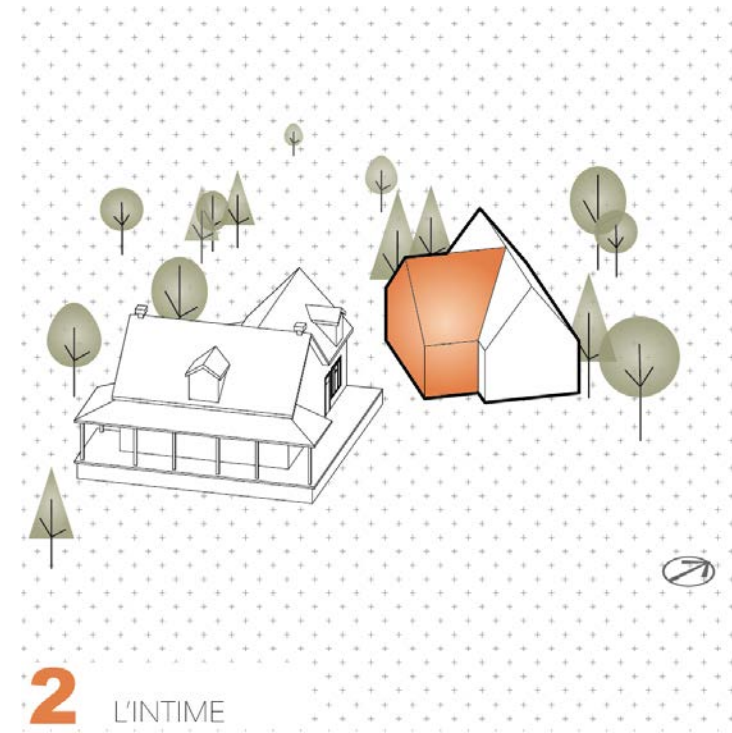
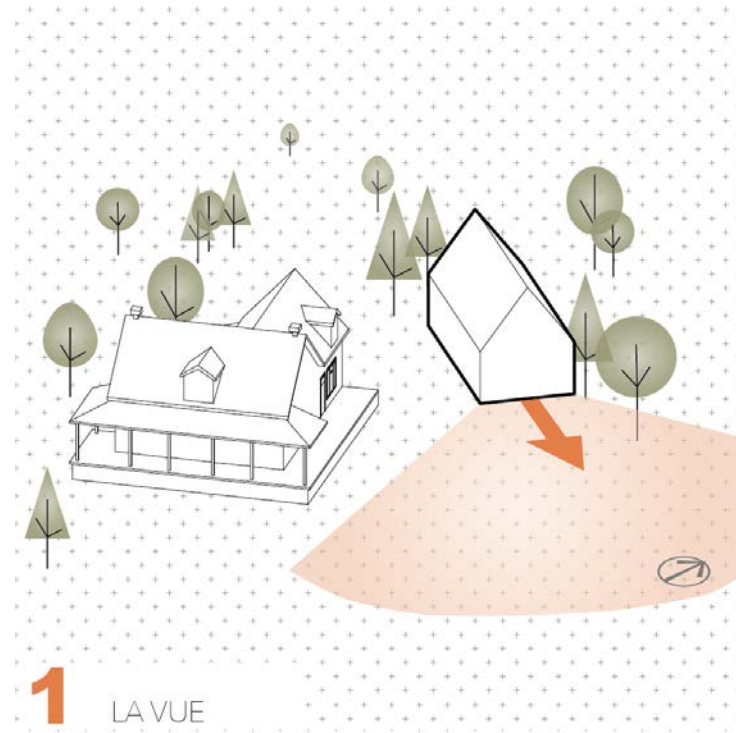
LE PIGNON-PERCÉ

Percé



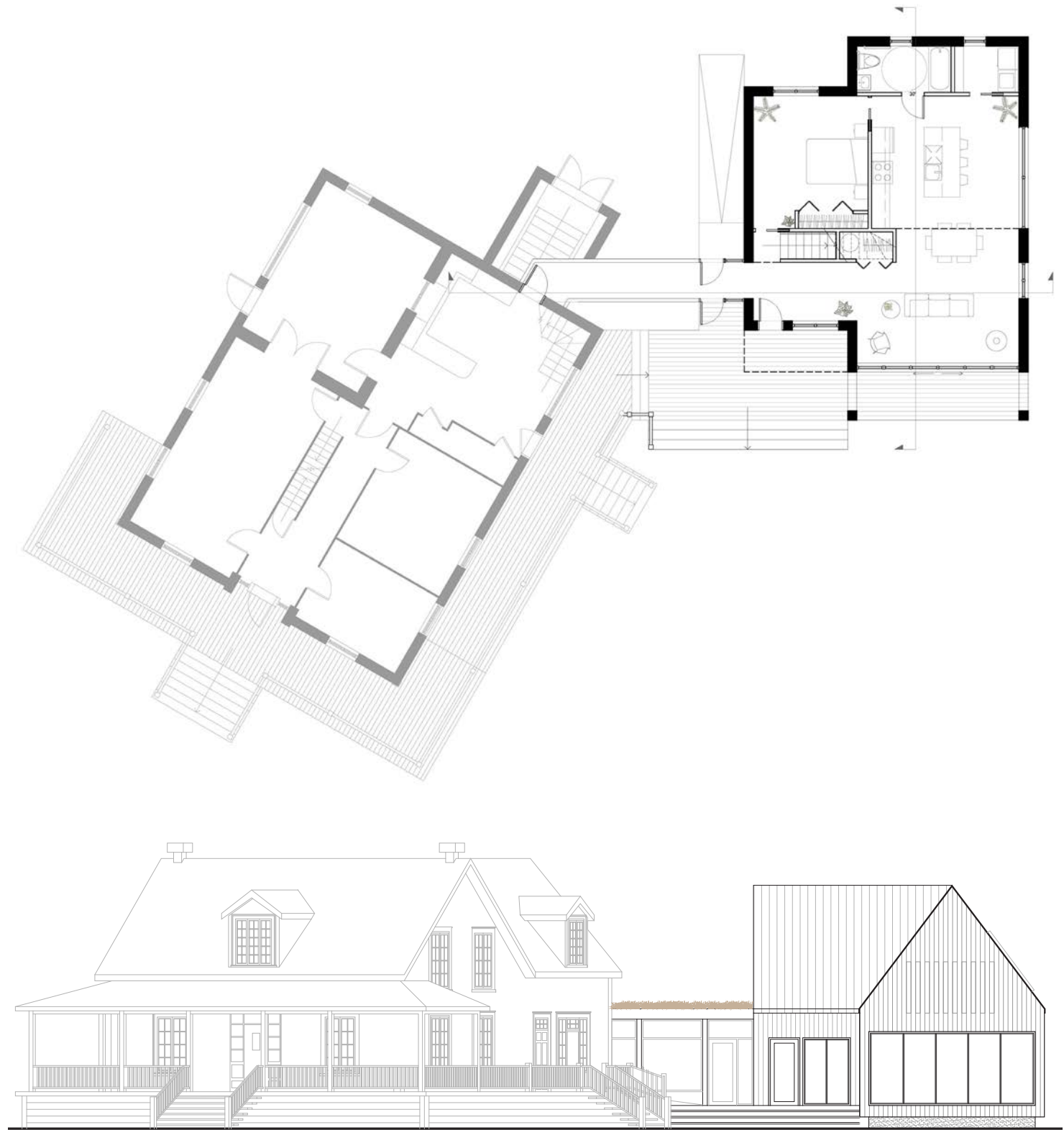
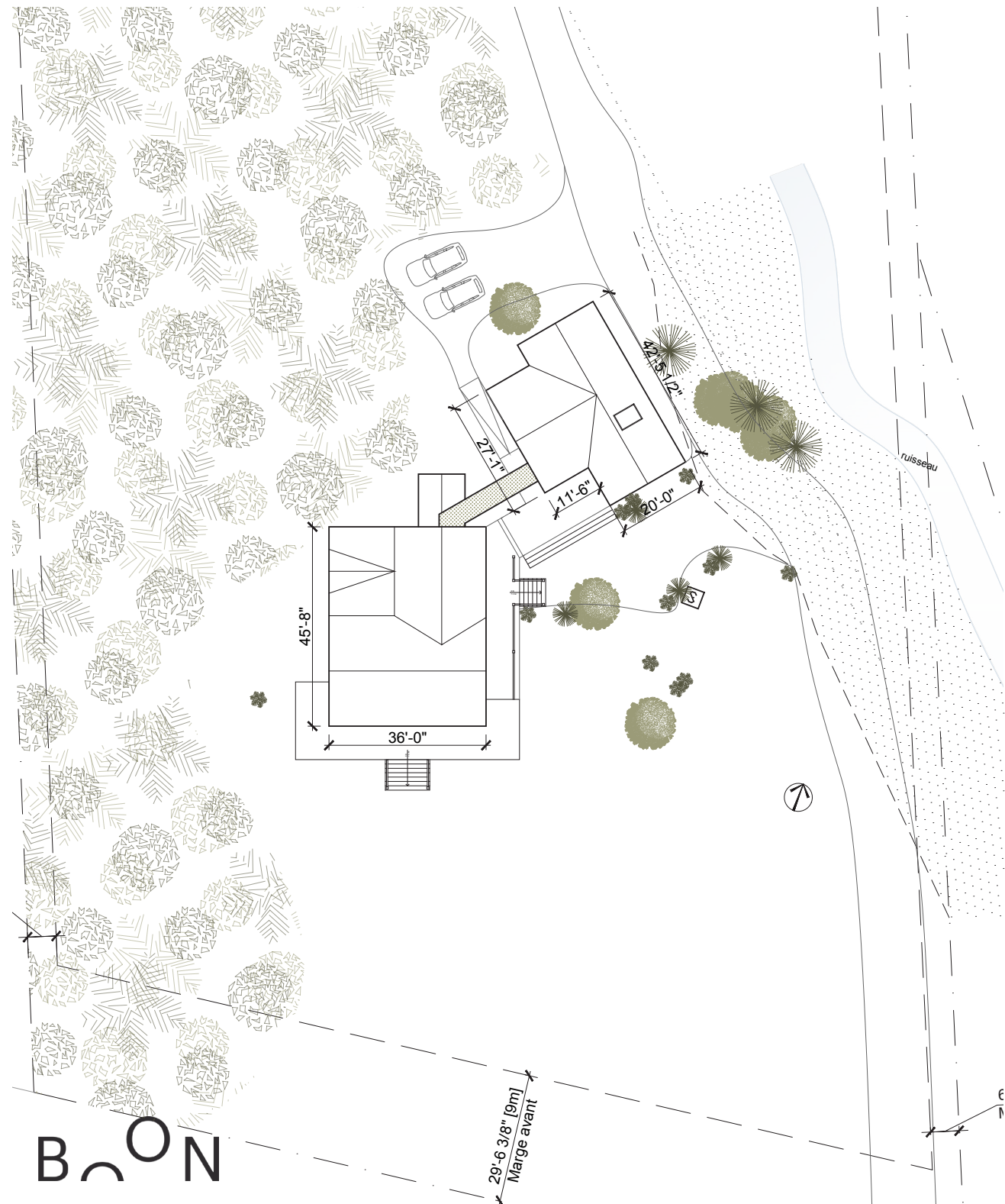
LE PIGNON PERCÉ

PROCESSUS CONCEPTUEL



LE PIGNON PERCÉ

LE PROJET



N 46° 49' 54.068'
O 71° 14' 21.934

LE PIGNON PERCÉ

PERSPECTIVE



BON



le duplex

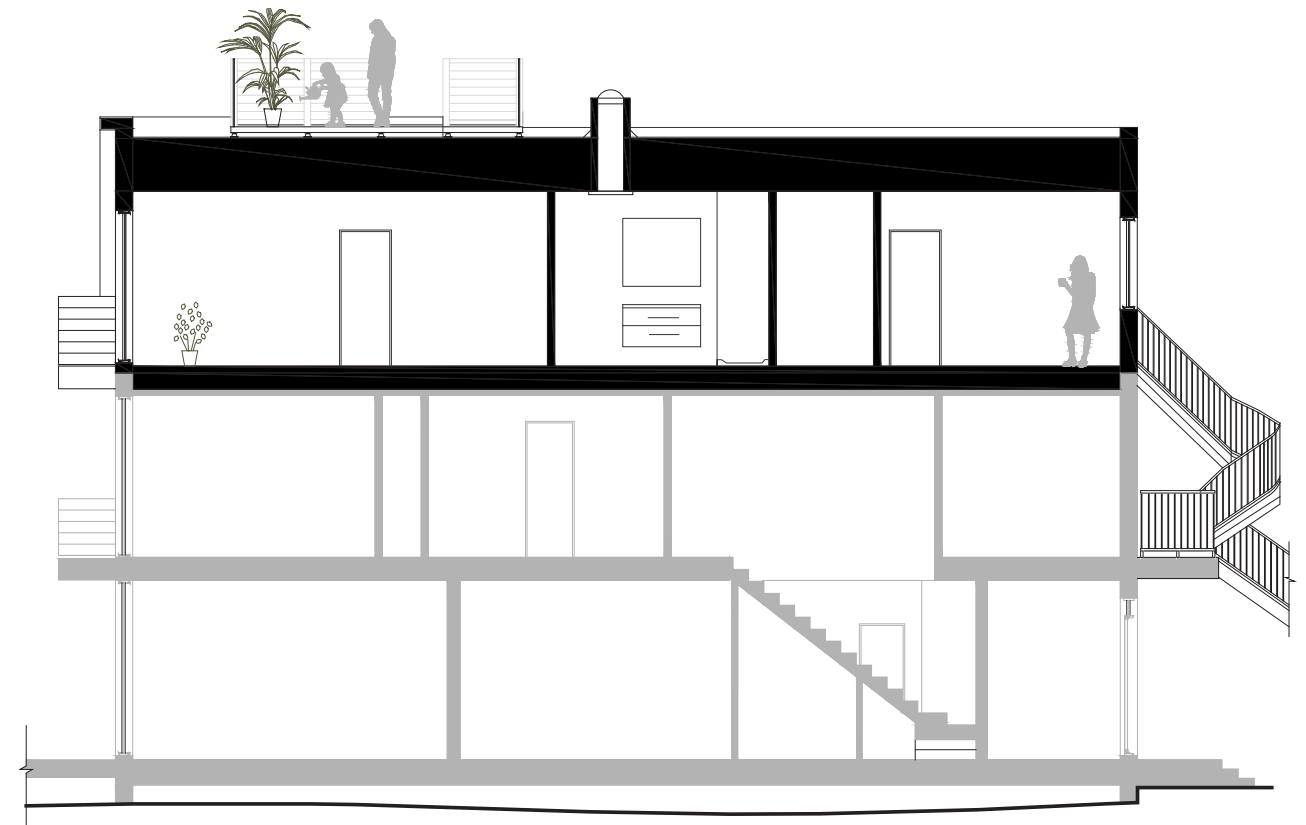
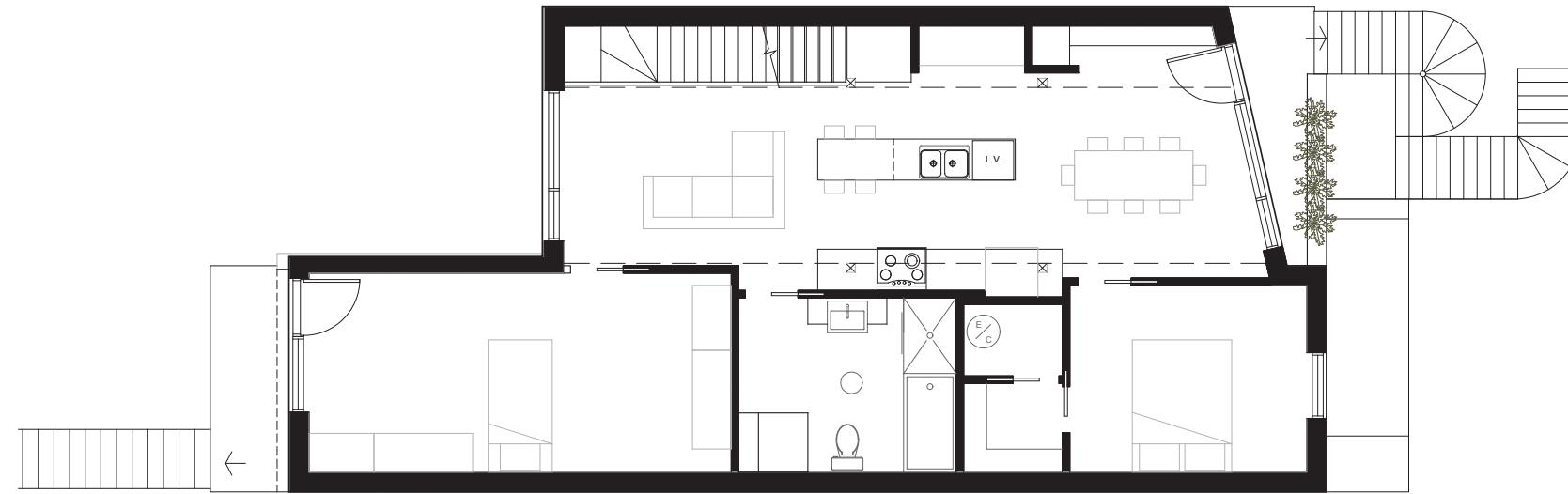
DUPLEX BOYER

Montréal



DUPLEX BOYER

LE PROJET



DUPLEX BOYER

PROJET RÉALISÉ



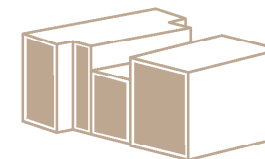
BON

DUPLEX BOYER

PROJET RÉALISÉ



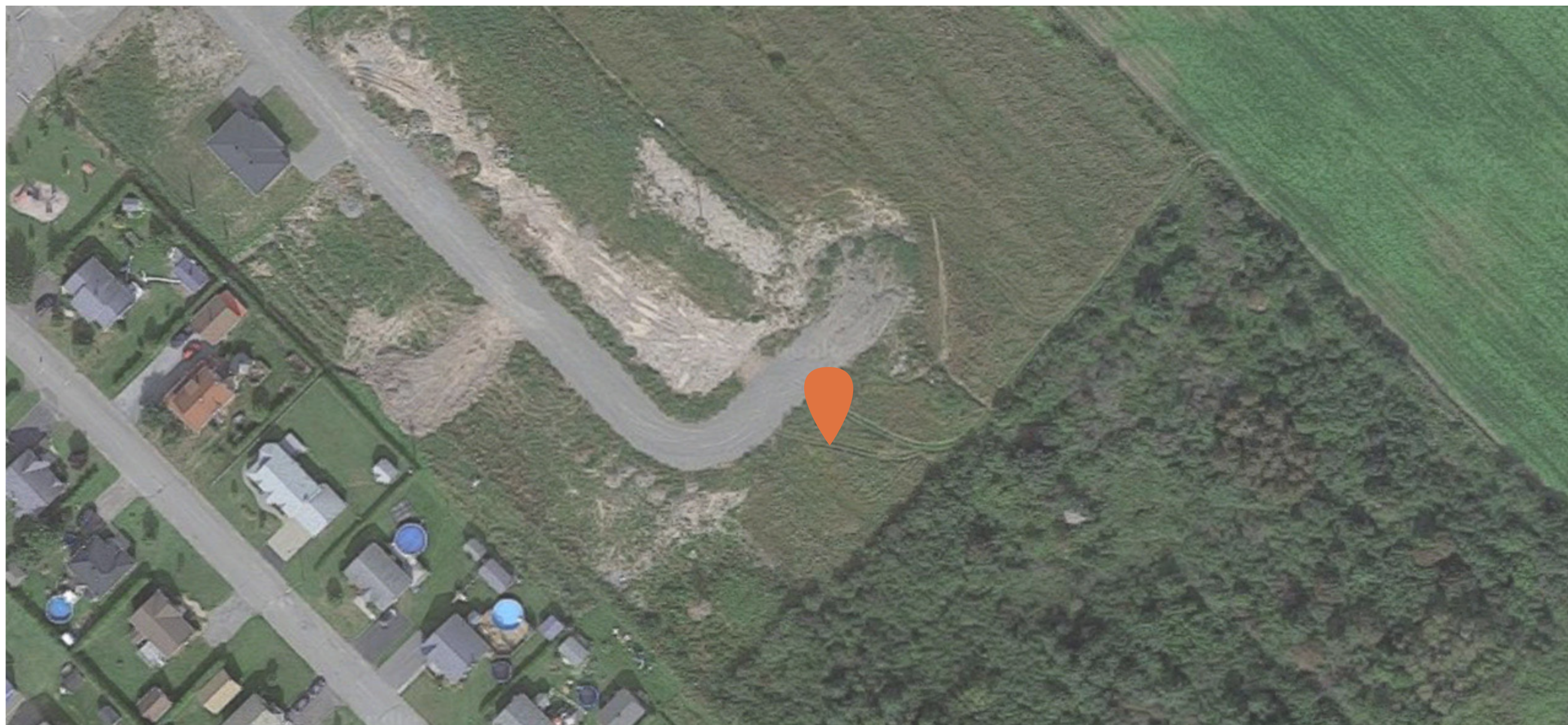
BON



le multilogement

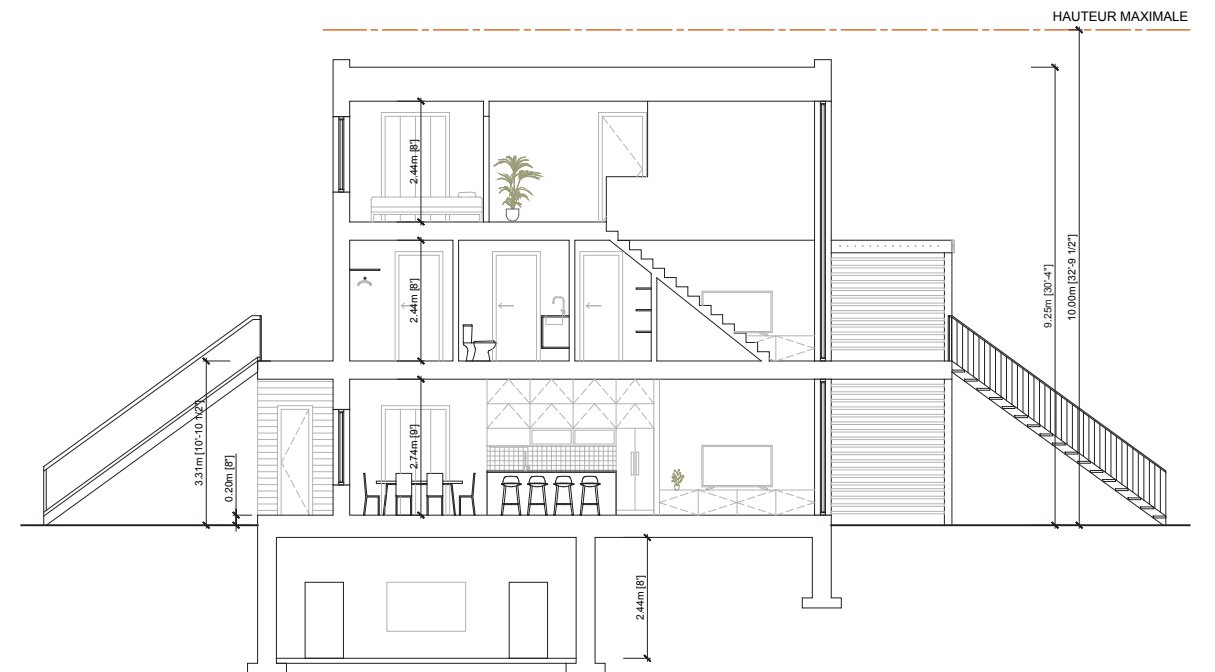
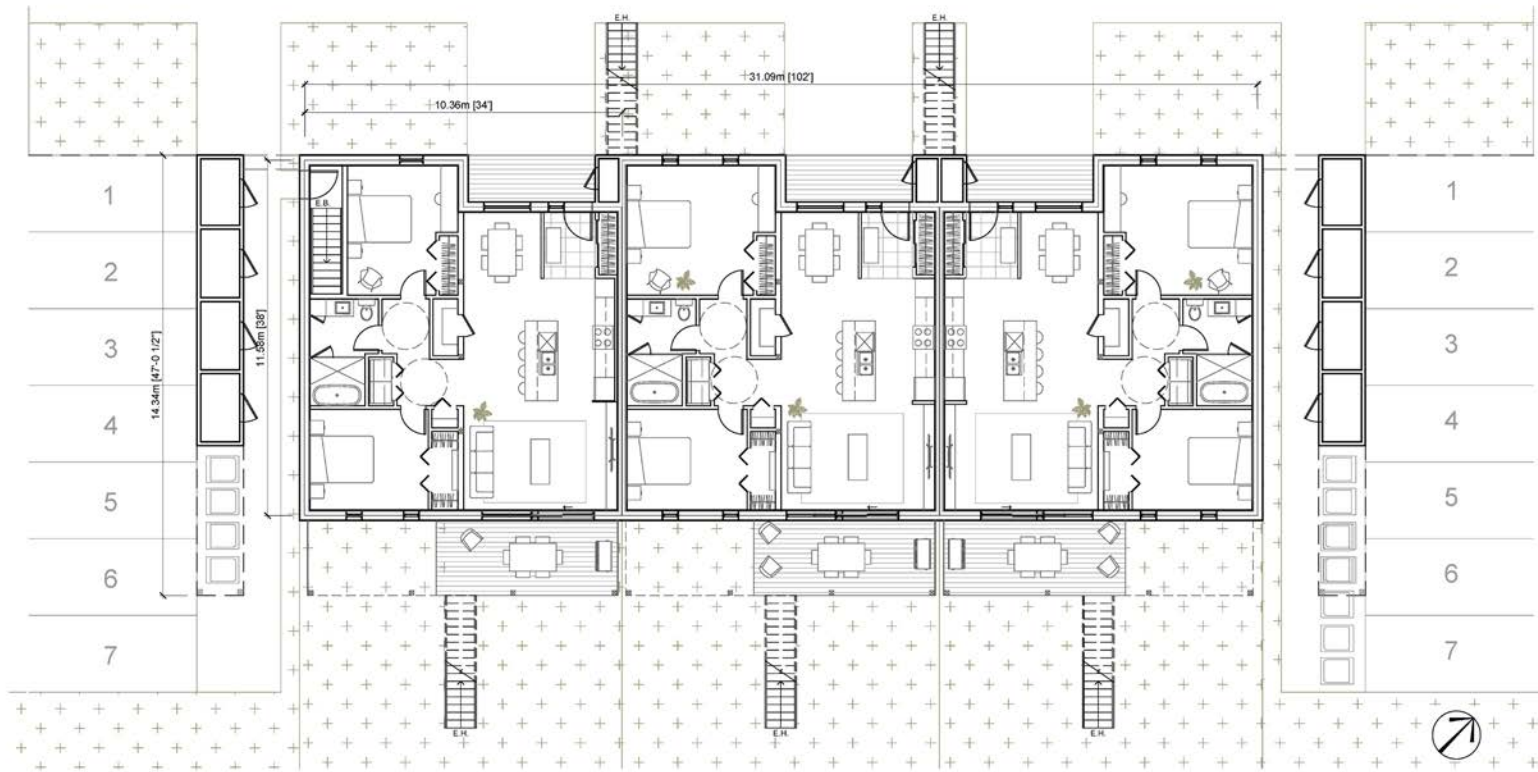
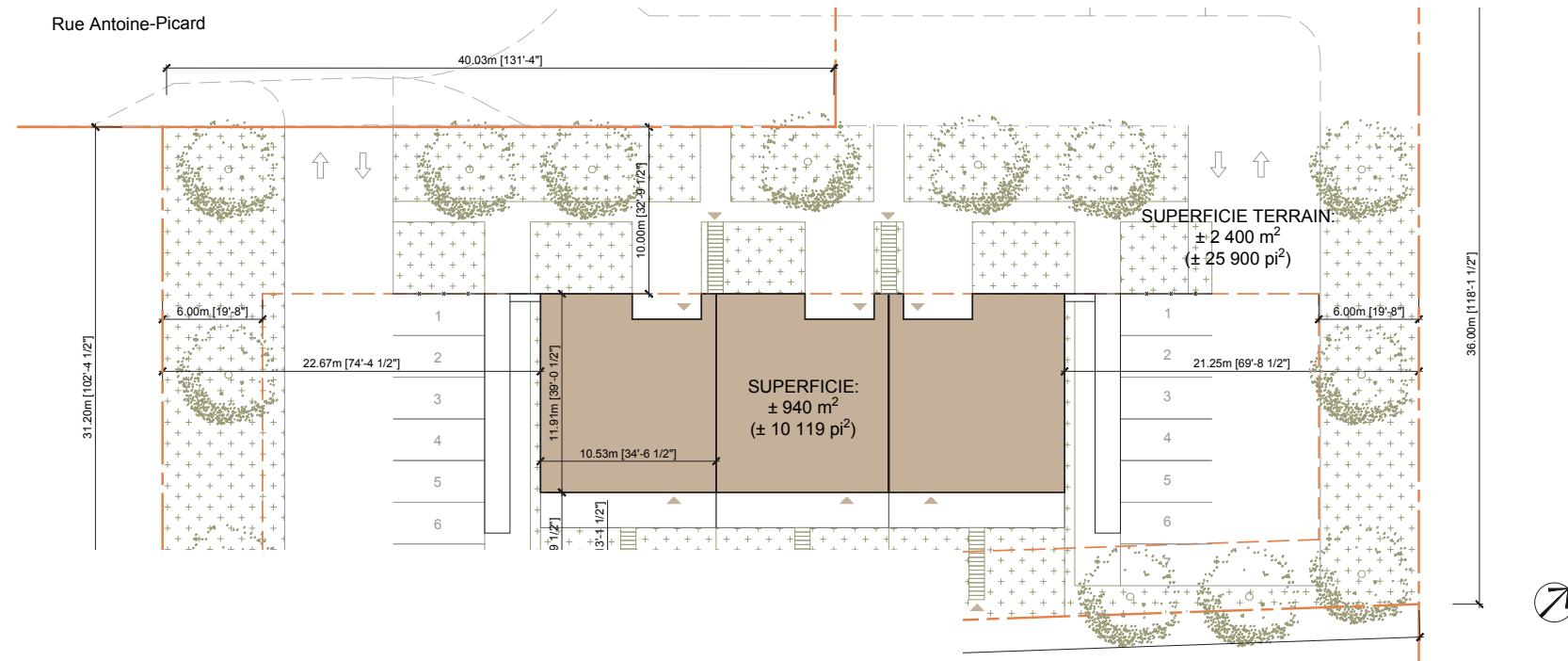
LA VALSE DES PRÉS

Saint-Jean-Port-Joli



LA VALSE DES PRÉS

LE PROJET



LA VALSE DES PRÉS

PERSPECTIVE



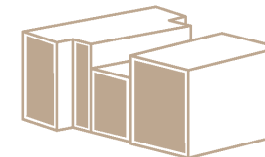
BON

LA VALSE DES PRÉS

PERSPECTIVE



BON



le multilogement

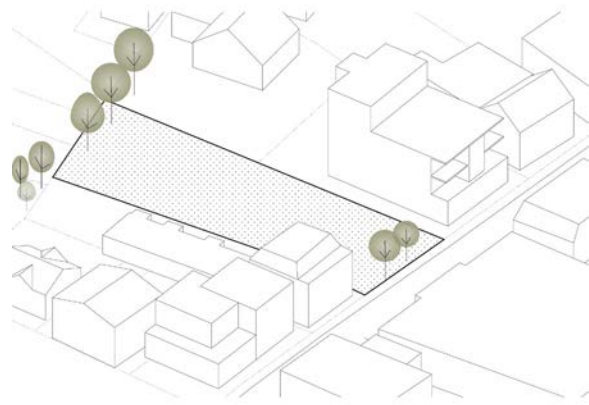
LA TRAVERSÉE

Montmagny

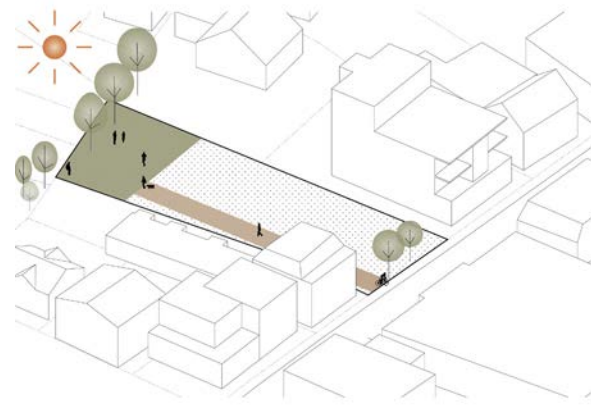


LA TRAVERSÉE

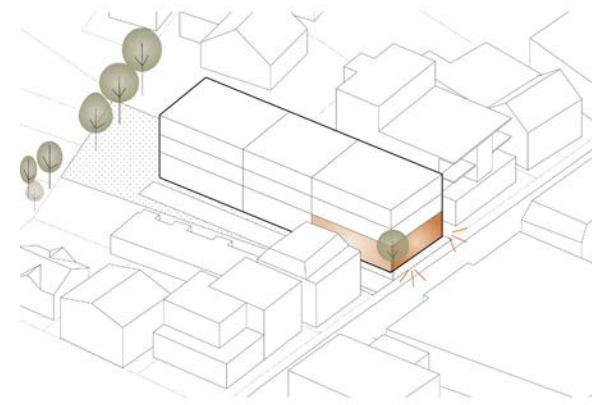
PROCESSUS CONCEPTUEL



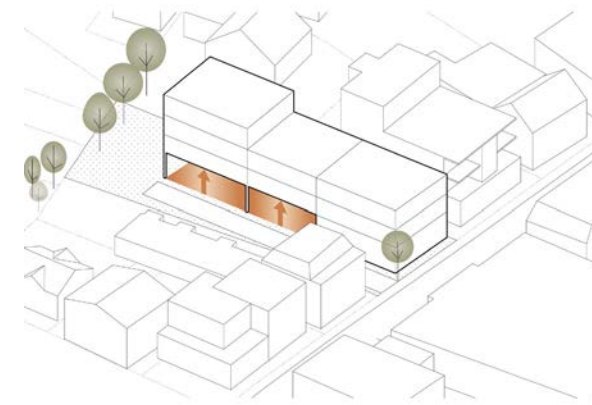
0 LE SITE



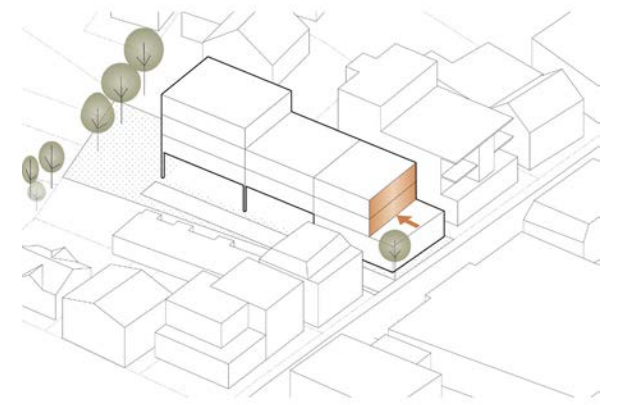
1 LA RUELLE



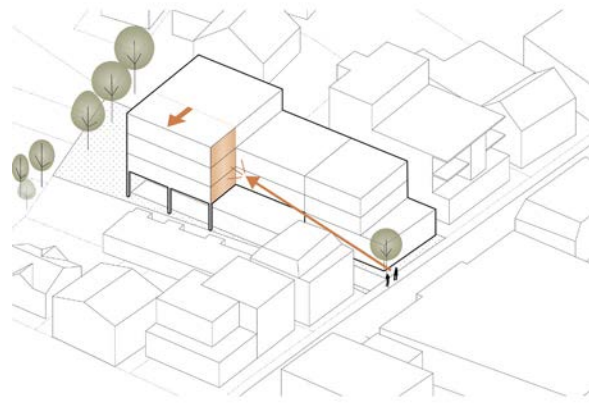
2 LE REZ-DE-CHAUSSEE ANIMÉ



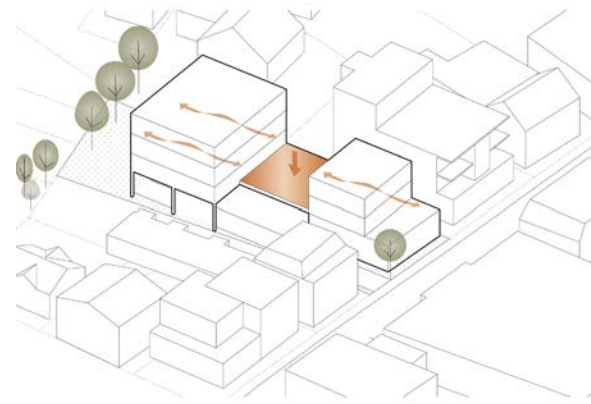
3 LE STATIONNEMENT DISSIMULÉ



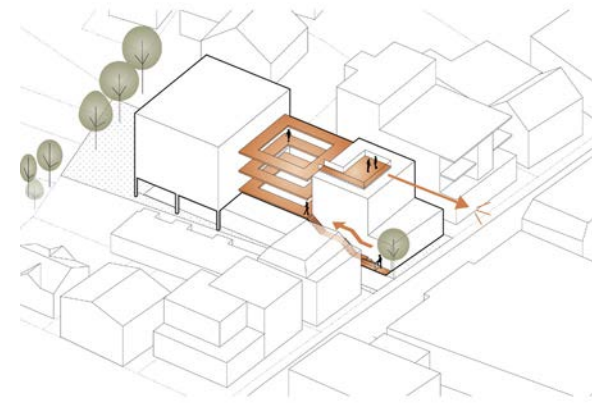
4 LE BASILAIRE



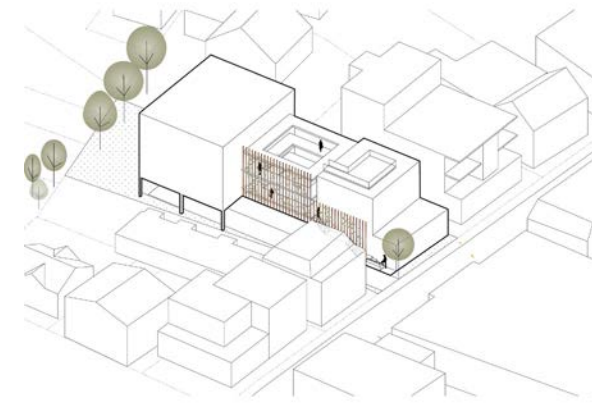
5 LA PERCÉE



6 LES LOGEMENTS TRAVERSANTS



7 LA GRANDE PASSERELLE



8 L'ÉCRIN DE BOIS



9 LA TRAVERSÉE



LA TRAVERSÉE

PROJET RÉALISÉ

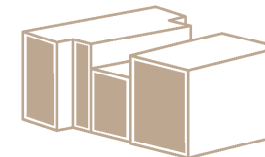


LA TRAVERSÉE

PROJET RÉALISÉ



BON



le multilogement

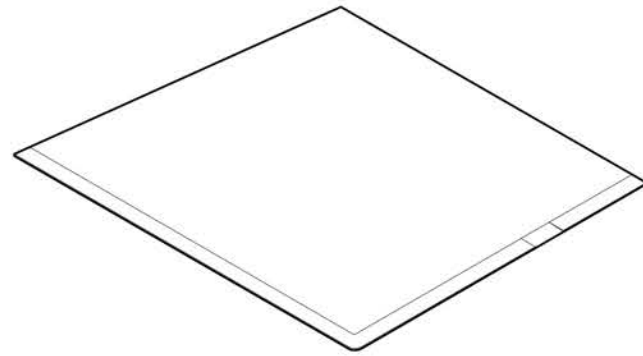
DORIMÈNE

Québec

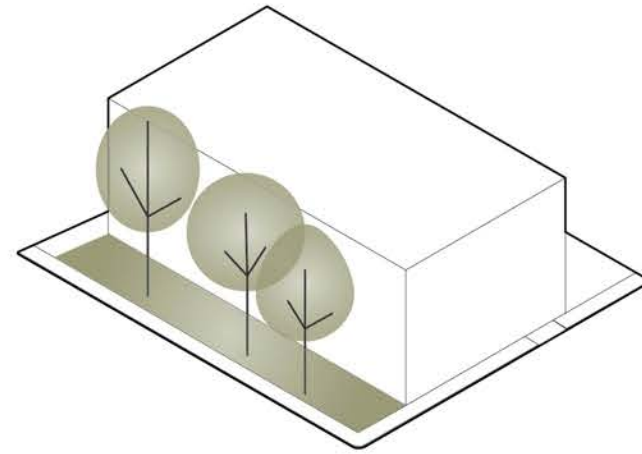


COOPÉRATIVE DORIMÈNE

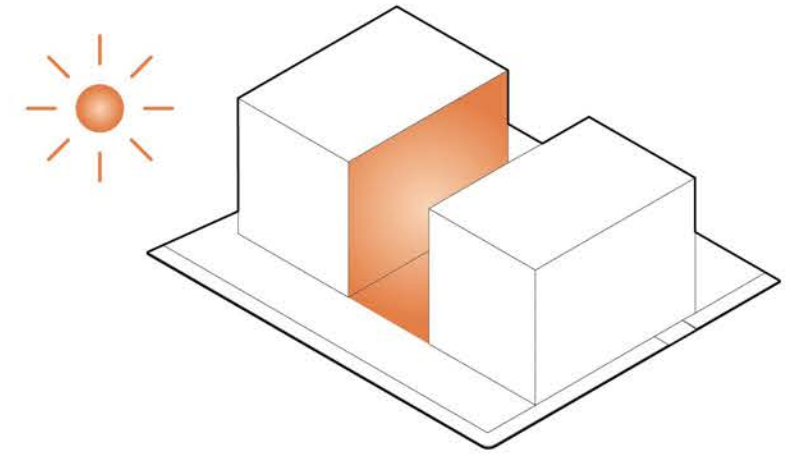
PROCESSUS CONCEPTUEL



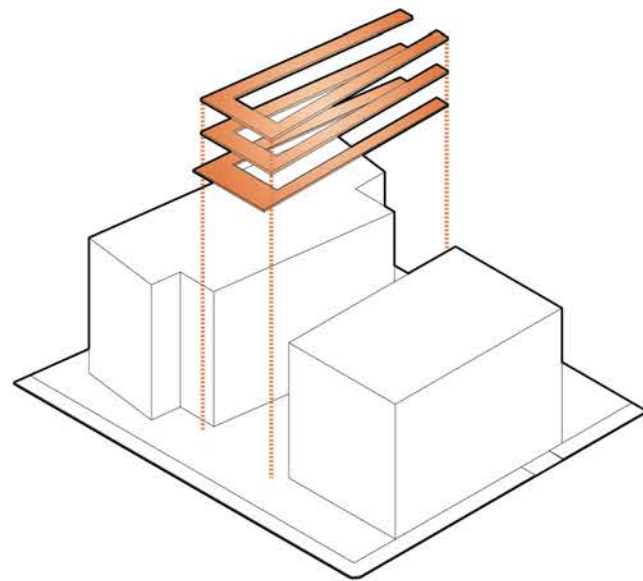
1 SITE



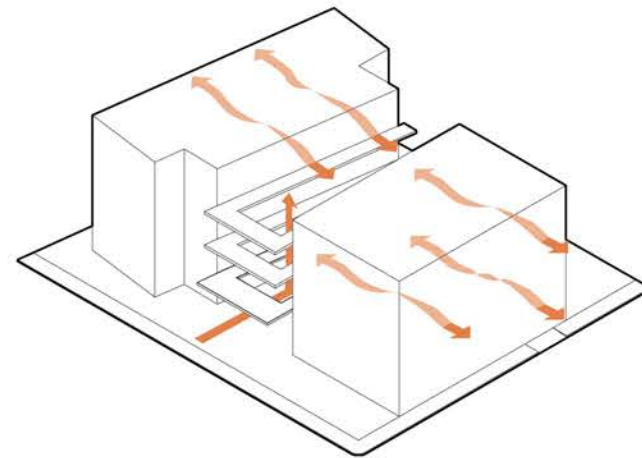
2 ARBRES



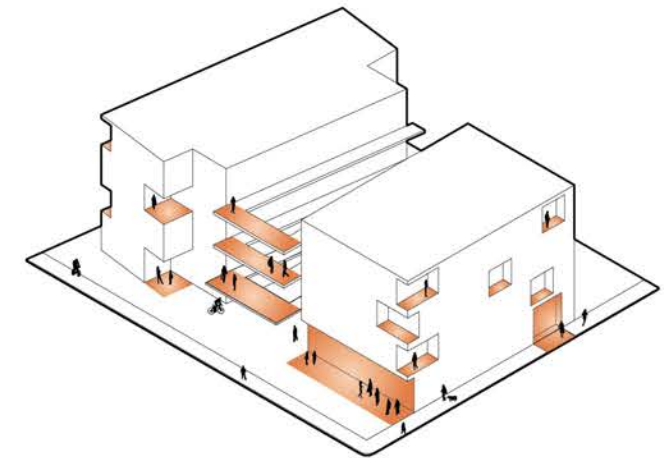
3 MICRO-CLIMAT



4 CIRCULATION



5 VENTILATION



6 ANIMATION

COOPÉRATIVE DORIMÈNE

LE PROJET



Légende de couleur



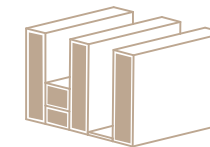
1 Plan Rez-de-chaussée
3/16" = 1/0"



COOPÉRATIVE DORIMÈNE

PERSPECTIVE

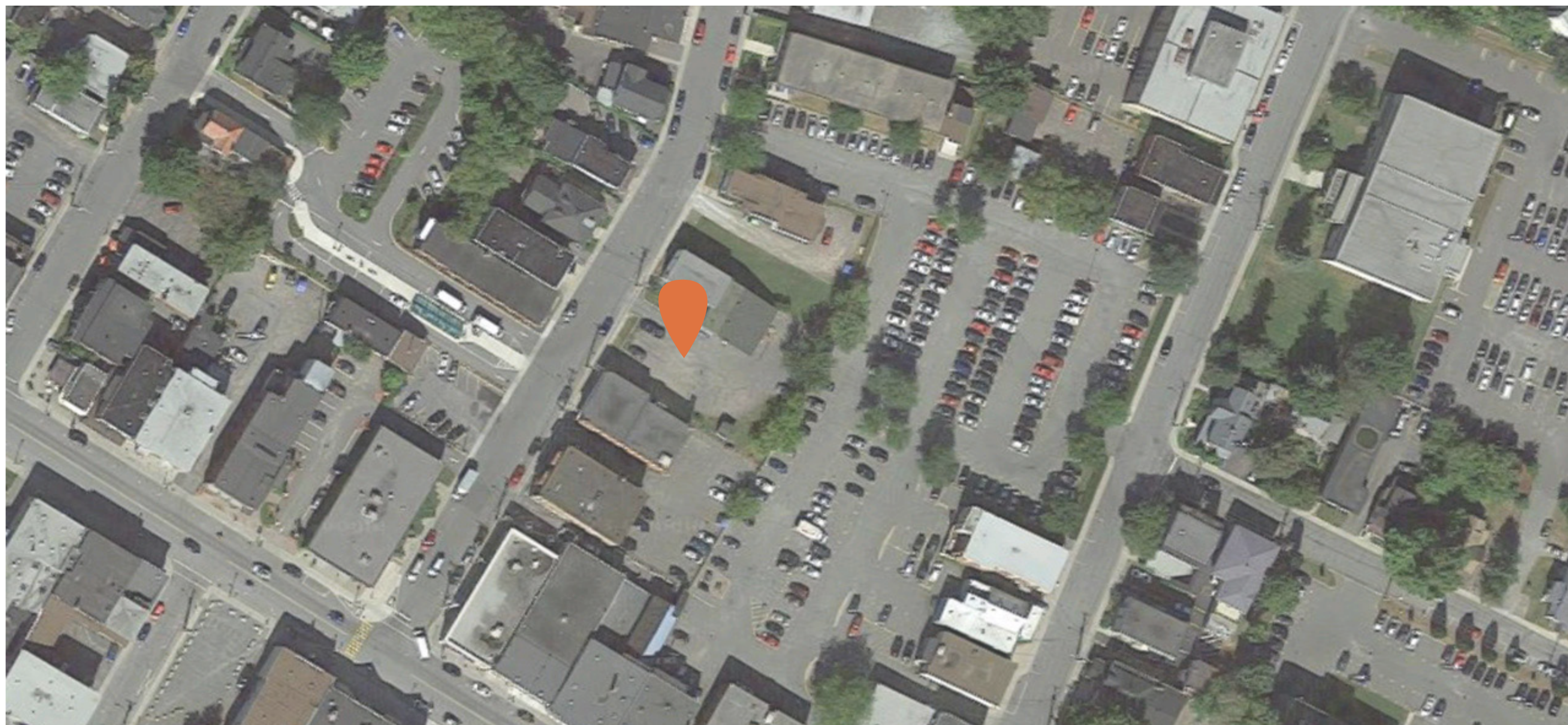




la communauté

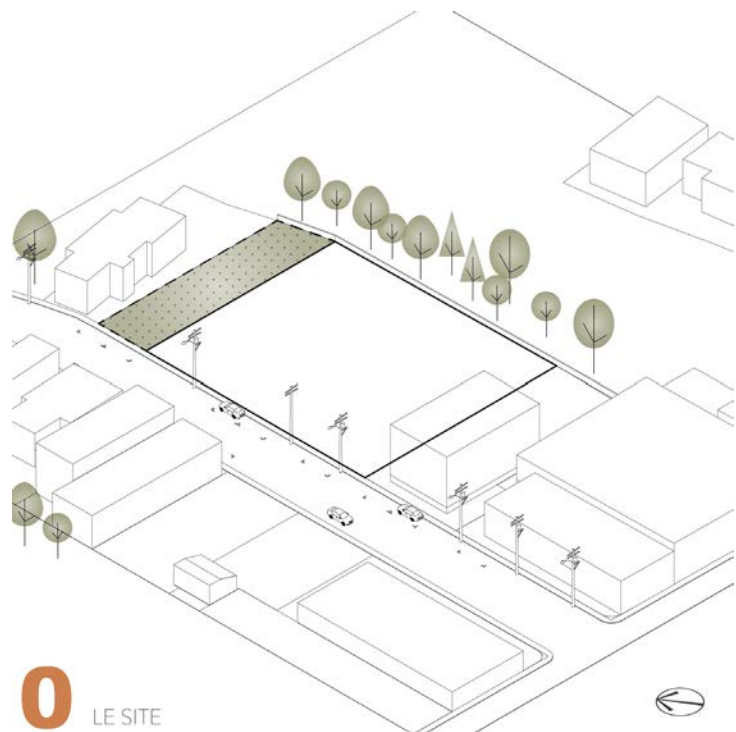
FJORD

Granby

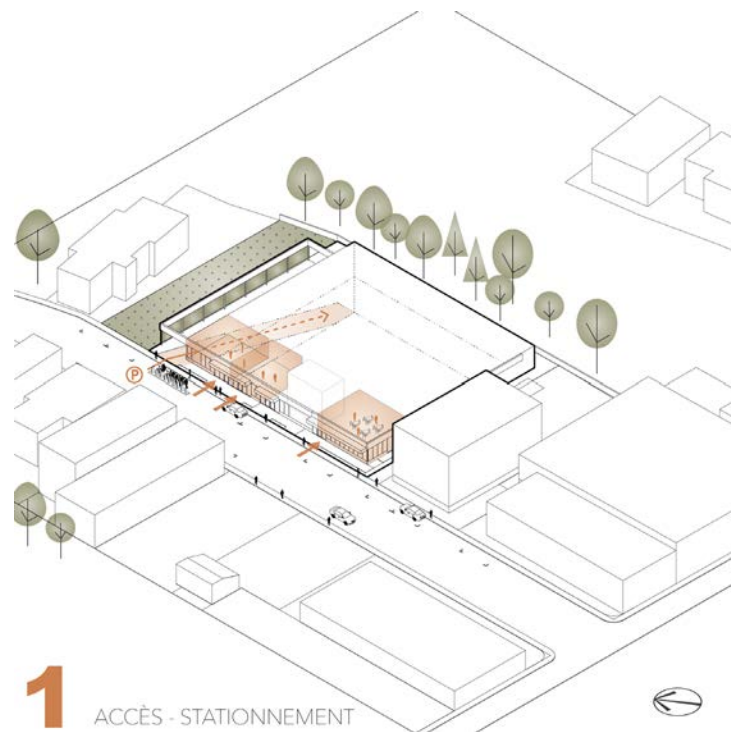


FJORD

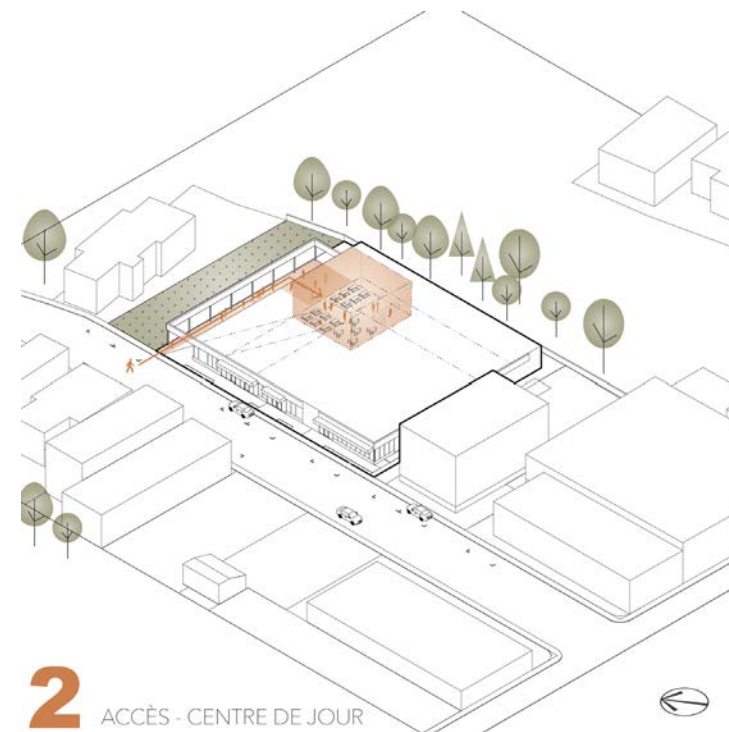
PROCESSUS CONCEPTUEL



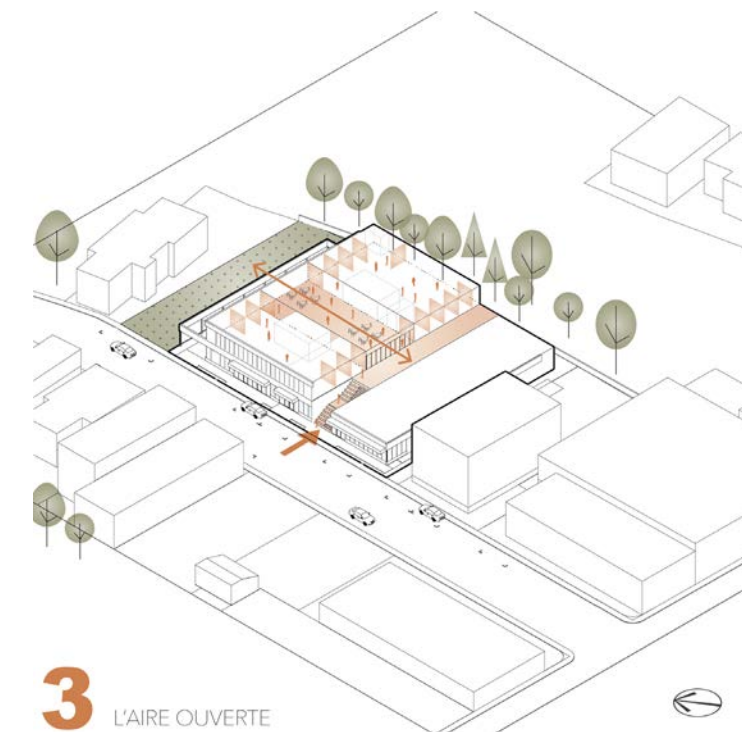
0 LE SITE



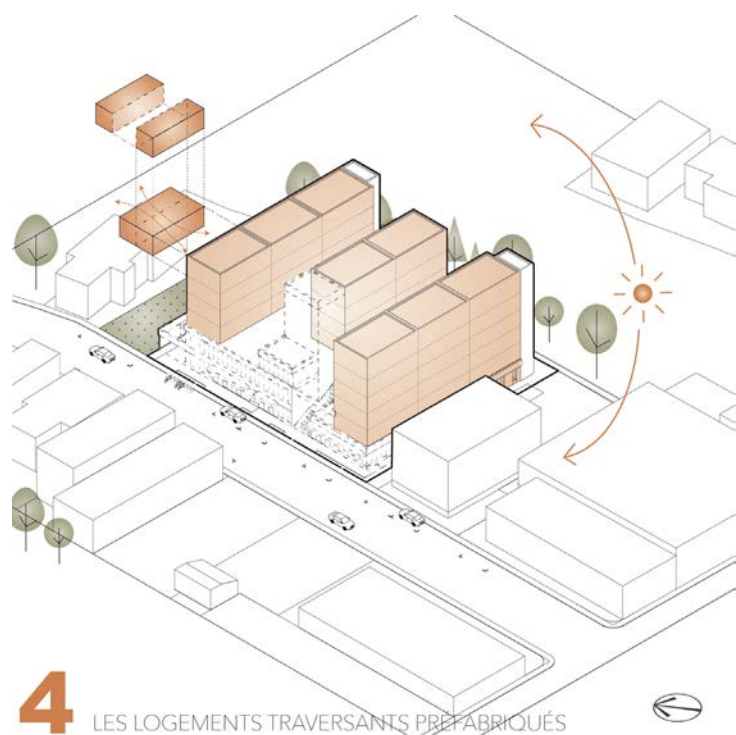
1 ACCÈS - STATIONNEMENT



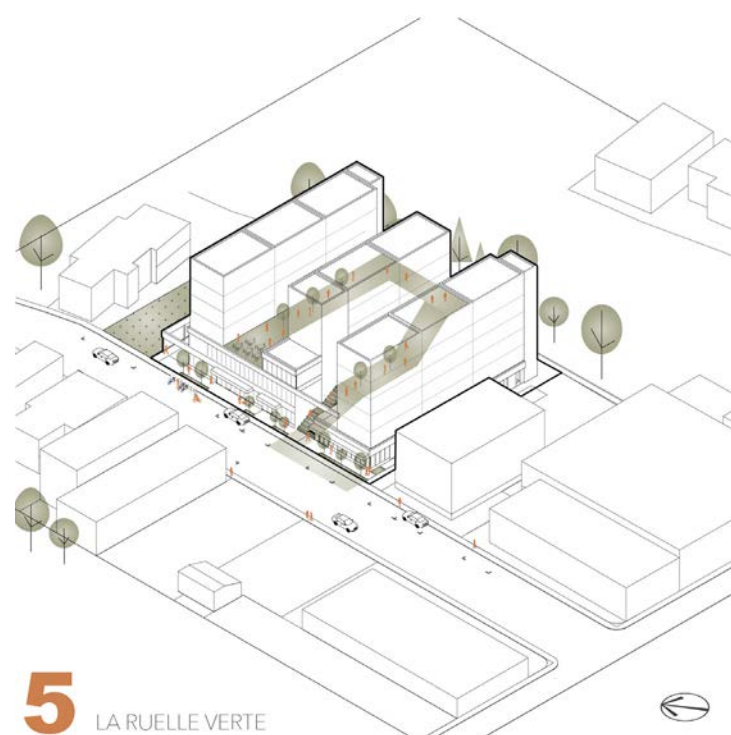
2 ACCÈS - CENTRE DE JOUR



3 L'AIRE OUVERTE



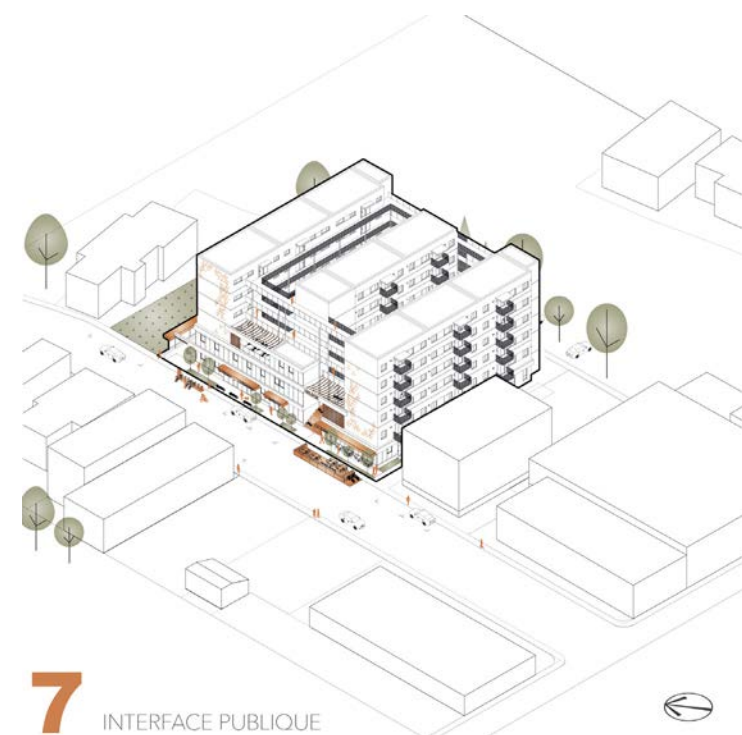
4 LES LOGEMENTS TRAVERSANTS PRÉFABRIQUÉS



5 LA RUELLE VERTE



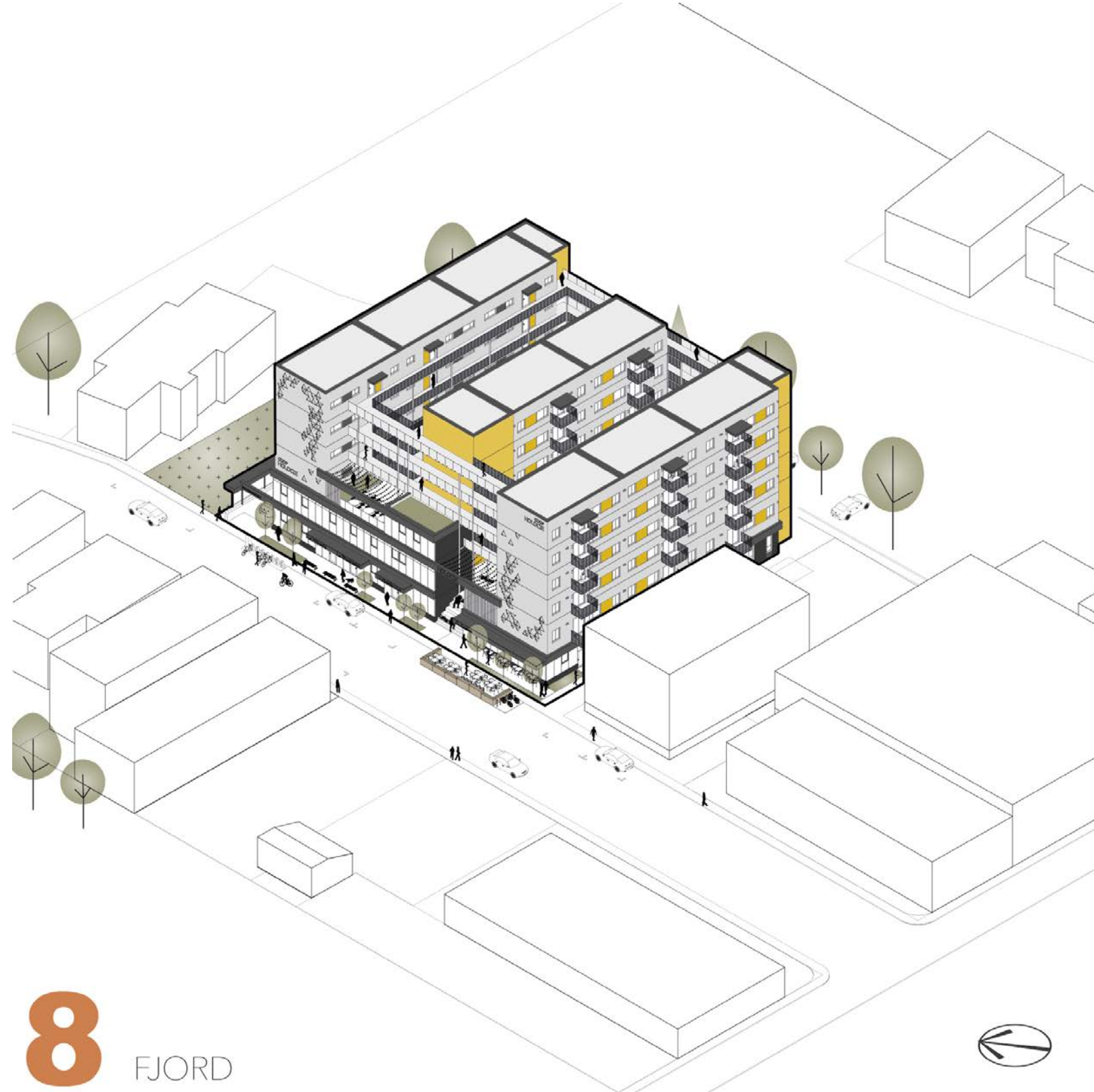
6 INTERFACE SEMI-PRIVÉ



7 INTERFACE PUBLIQUE

FJORD

PROCESSUS CONCEPTUEL



BON

8 FJORD

FJORD

PROCESSUS CONCEPTUEL



BON

N 46° 49' 54.068"
O -71° 14' 21.934"

FJORD

COUPE BIOCLIMATIQUE



Lumière naturelle maximisée



Éclairage optimisé



Performance de l'enveloppe



Ventilation transversale



Encourager la mobilité active

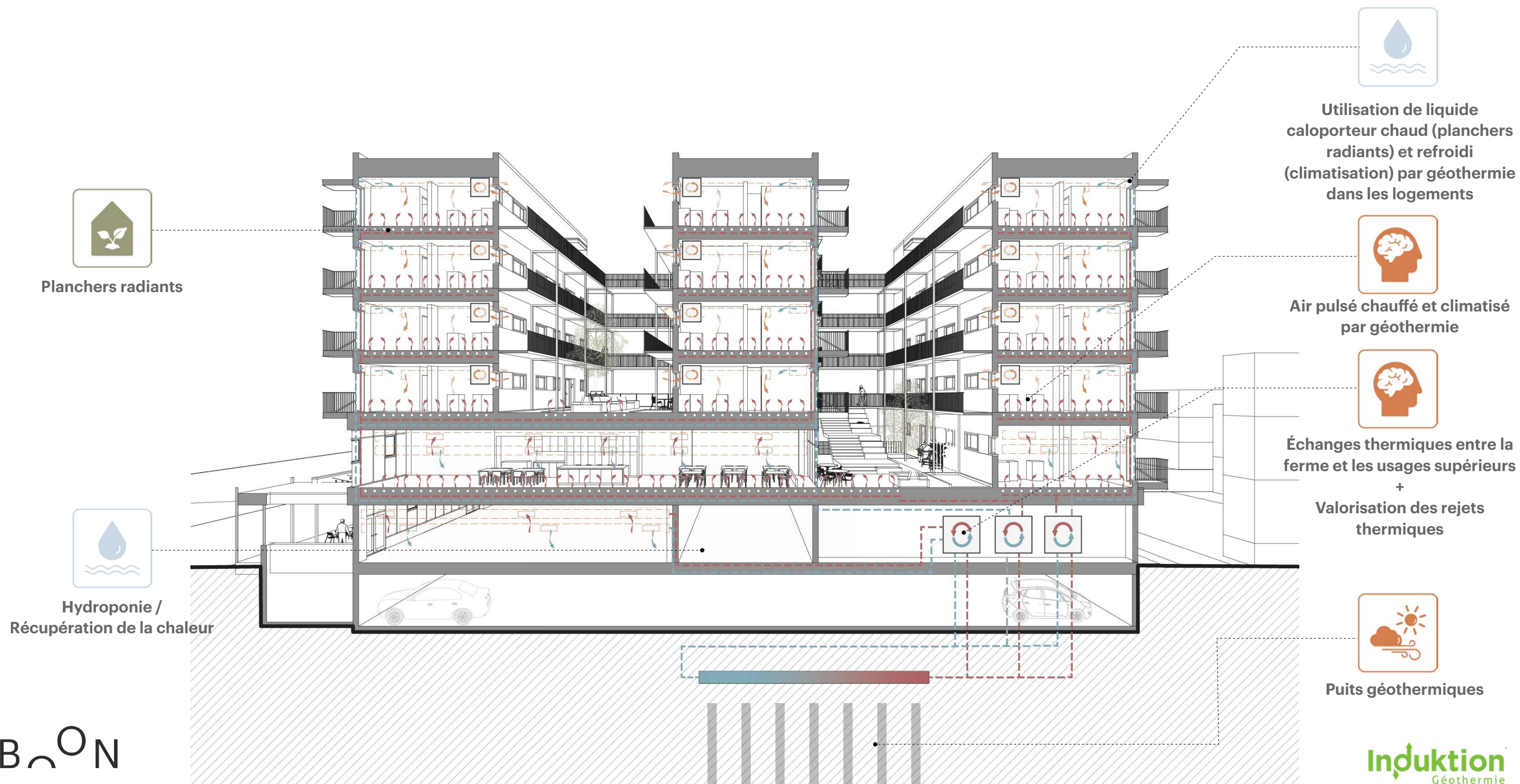


Verdissement (Réduction des îlots de chaleur)



FJORD

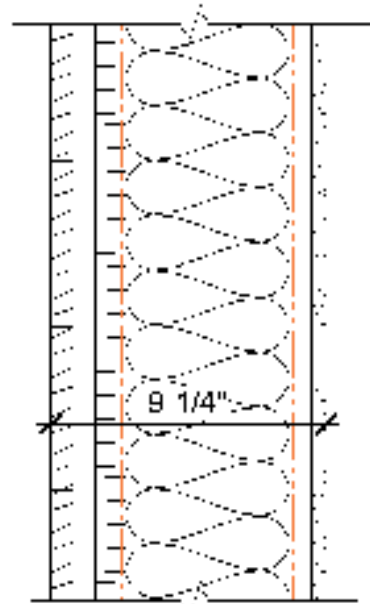
COUPE BIOMÉCANIQUE



FJORD

PERFORMANCE DE L'ENVELOPPE

Construction traditionnelle



Mur standard + Matériaux traditionnels
Laine de verre

R 23.6 (+ 15% p/r à la norme min.)

Mauvais

Optimal

Hygrométrie

Sèche en 81 jours
Teneur en humidité du bois +/- 3,7%
Condensation : 251 g/m²

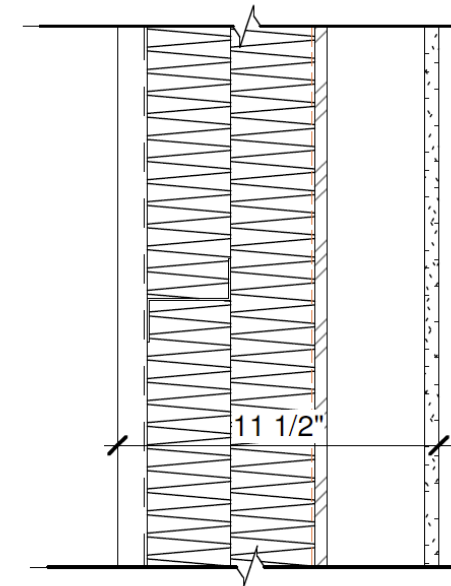
Confort d'été

Atténuation d'amplitude thermique : 3.6
Déphasage : 7,1h
Capacité de chaleur interne : 17.4 kJ/m²K

Empreinte carbone

**Norme minimale CNB 2015 :
R 20.5**

Construction optimisée



Mur Novoclimat 2.0 + Matériaux biosourcés

R 23.6 (+ 15% p/r à la norme min.)

Mauvais

Optimal

Hygrométrie

Confort d'été

Atténuation d'amplitude thermique : 12
Déphasage : 10,0 h
Capacité de chaleur interne : 39 kJ/m²K

Empreinte carbone

870 av. de Salaberry,
Québec, Qc
G1R 2T9

BON
ARCHITECTURE

