# **GOLDSMITH STREET** Mikhail Riches Architects

#### **KEY ASPECTS:**

- Form factor, orientation and response to the sun in the housetype design
- Putting people first in streets and spaces with limited parking and play spaces to rear

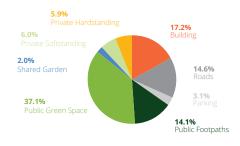
Site: 2.54ha 105 Units:

Density: 100 dwellings/ha

Parking: 0.72 per unit (plus car club)

POS: 0.99ha (39%)

# Indicative Area Split:



# STREETS AND SPACES

Focusing on providing pedestrian-friendly spaces that are not dominated by cars leads to a better environment and lower embodied carbon, but can be hard to adopt and manage for local authorities .

# PROCUREMENT AND QUALITY CONTROL

A traditional contract arrangement and Passivhaus Certification allows for better quality control and delivery of client ambitions.

#### **DENSITY AND EFFICIENCY**

The scheme provides high density with low-rise built form at human scale with narrow streets and considered window placement, allowing for efficient form factor and use of land.

# **ORIENTATION AND HOUSETYPE DESIGN**

The streets and roof forms are determined by the sun angles to maximise solar gains and access to sunlight. The housetypes are adapted to their orientation to provide south-facing kitchen/dining areas and bedrooms in every instance, rather than flipping standardised footprints.

# **REAR ACCESS AND PLAY**

The communal space between the back gardens with access control on either end creates a safe place for play and interaction, fostering the sense of community and ownership which has a positive impact on resident health and well-being.

# **CHARACTER AND MATERIALS**

Durability and longevity as drivers for external material choices such as the brick and pantiles can lower whole life carbon due to reduced maintenance and replacement cycles.

### **CONSTRUCTION MATERIALS**

Timber frame with cellulose insulation is a low-carbon construction method, but needs early consideration due to increased wall-thicknesses and building footprints.

## FORM FACTOR

Compact terraces with apartment blocks at either end result in a good form factor whilst also providing active frontages and an interesting street scene.