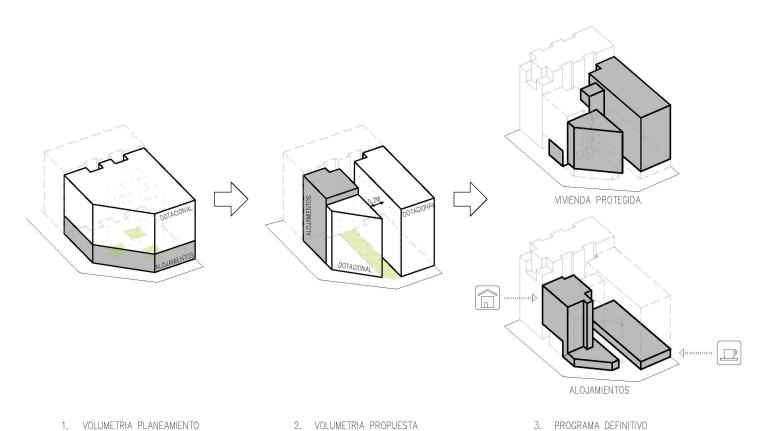
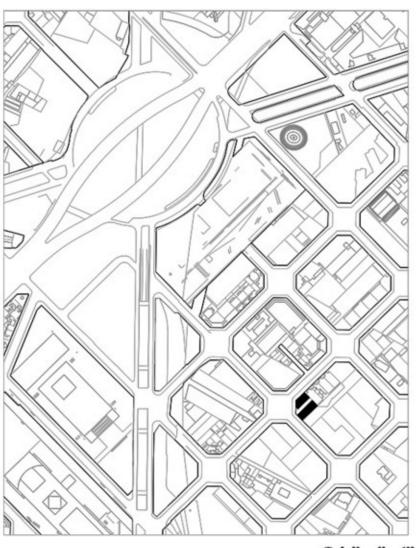
group 5

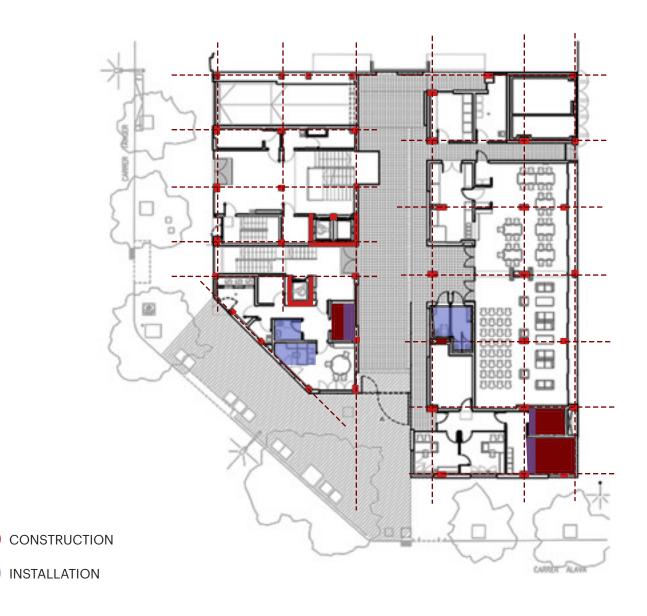
MIX DWELLING BUILDING COLL-LECLERC 2017 / BARCELONA / SPAIN

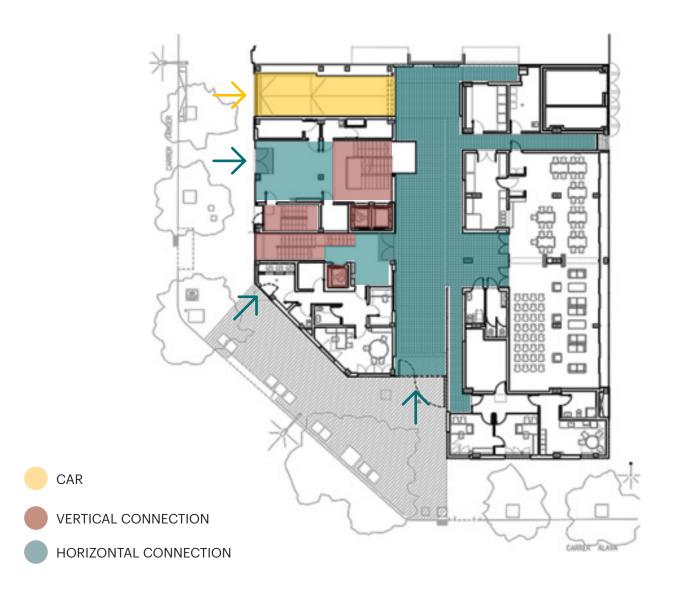


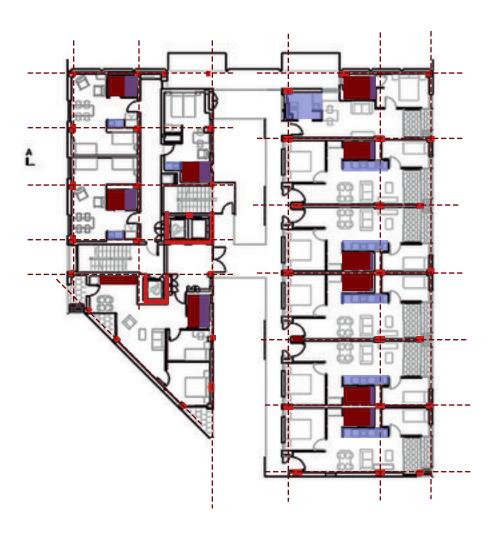




⊕ 620 66 100

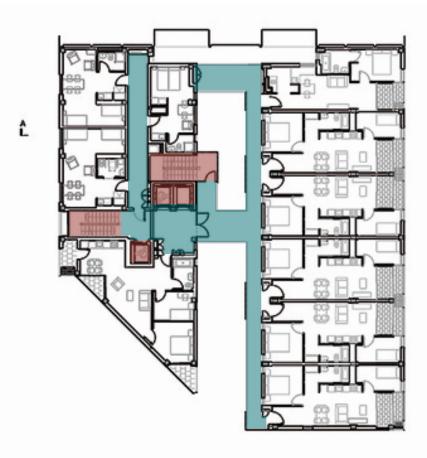






CONSTRUCTION

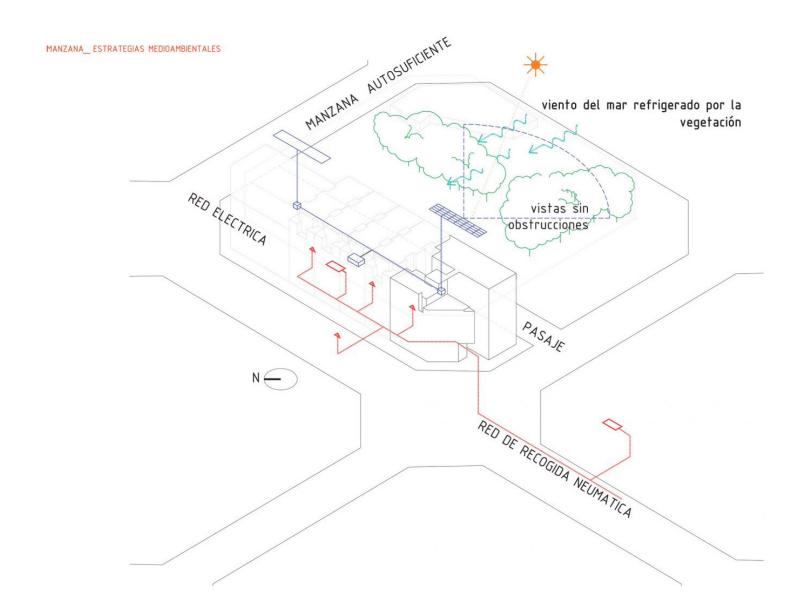
INSTALLATION



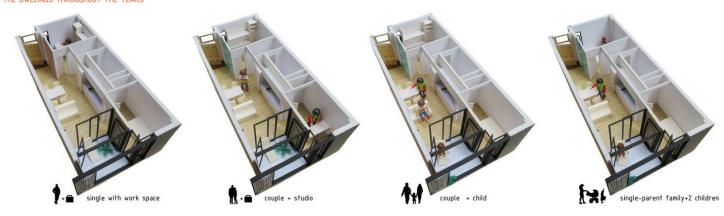
VERTICAL CONNECTION

HORIZONTAL CONNECTION





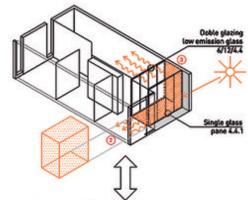
TRANSFORMATION OF DWELLING TYPE A THE DWELINGS THROUGHOUT THE YEARS



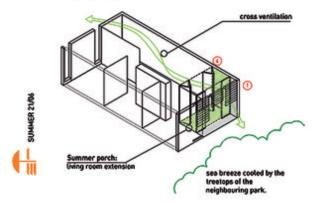
THE DWELLING THROUGHOUT THE SEASONS



WINTER day: energy accumulation and radiation to the interior night: energy accumulation, radiation and max insulation



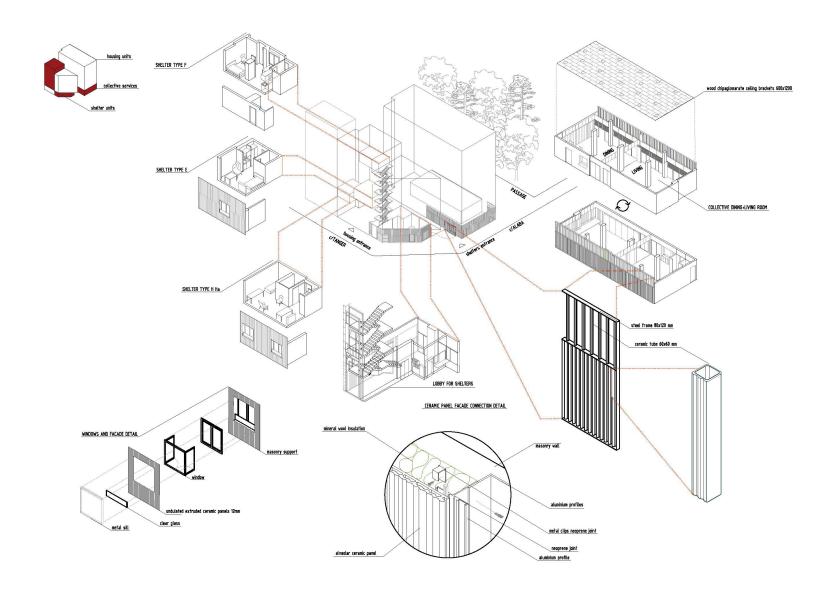
SUMMER day: cross ventilation and dining room extension night: night cross ventilation



PASSIVE SYTEM: South facade with winter garden

- 1 Barcelona blind of certified "PEFC"pine wood
- Prefab low energy embbeded and high thermal resistance Terratzo
- 3 Wooden liber / cement boards free of toxic volatile substances
- Low emission glass





CERAMIC PANEL FACADE CONNECTION DETAIL

