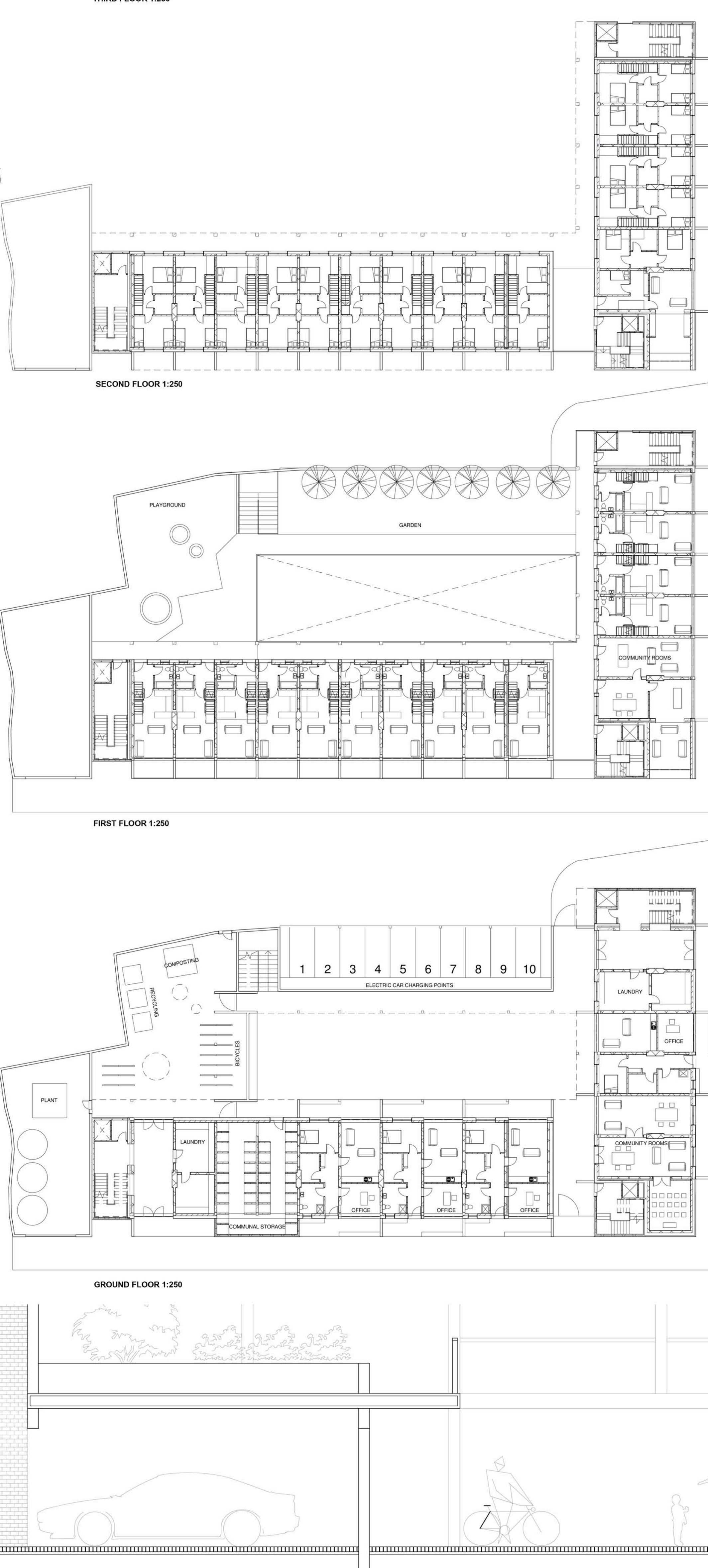
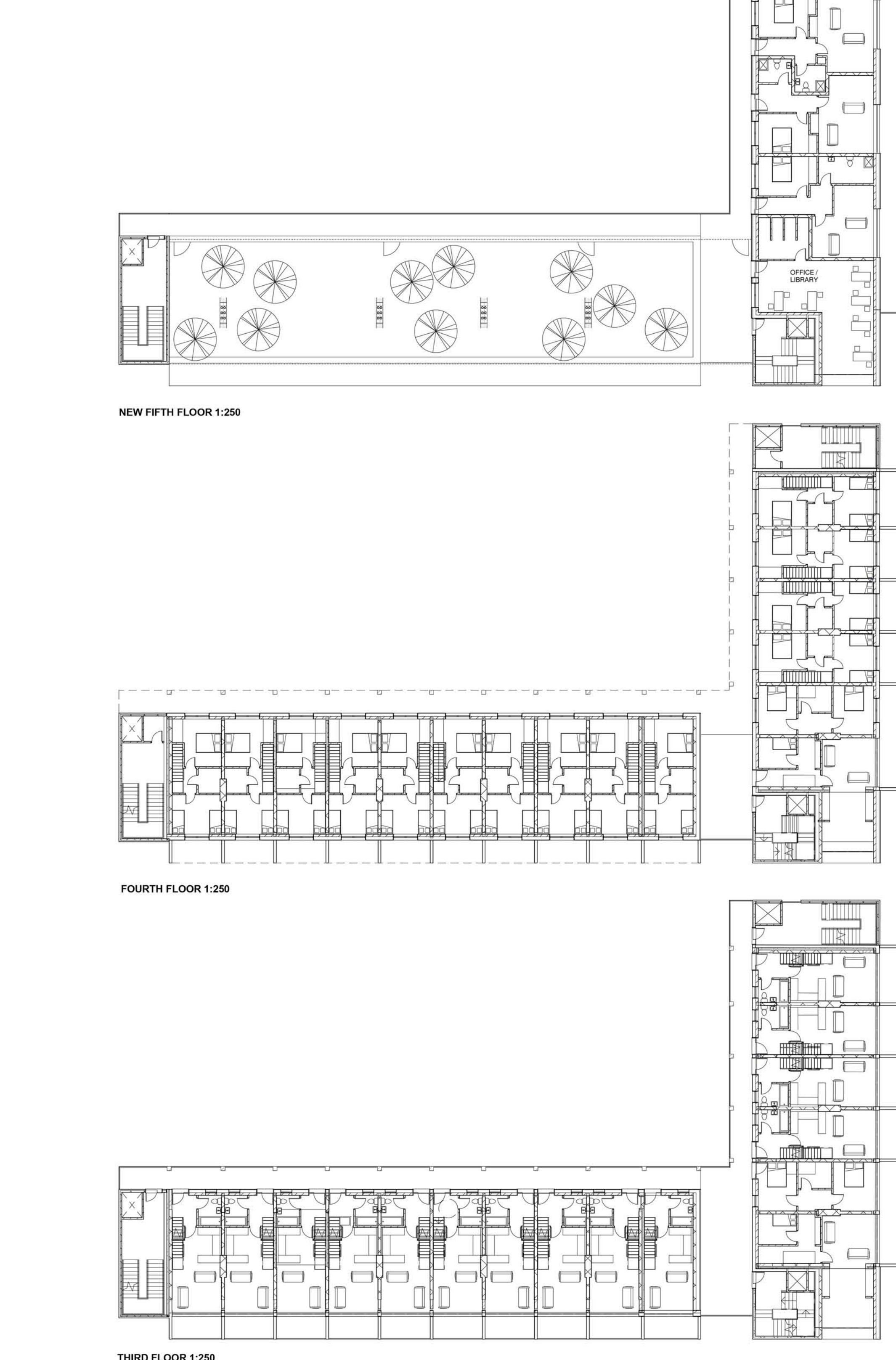


EXISTING BUILDING CONSTRUCTED IN 1970S
CONCRETE FRAME AND MASONRY PARTY WALL STRUCTURE
INFILL BRICK WALL AND WINDOW PANELS
AVERAGE BER RATING OF E2 - 320 kWh/sq.m/yr
LITTLE TO NO INSULATION PRESENT
SIGNIFICANT MOULD PROBLEMS

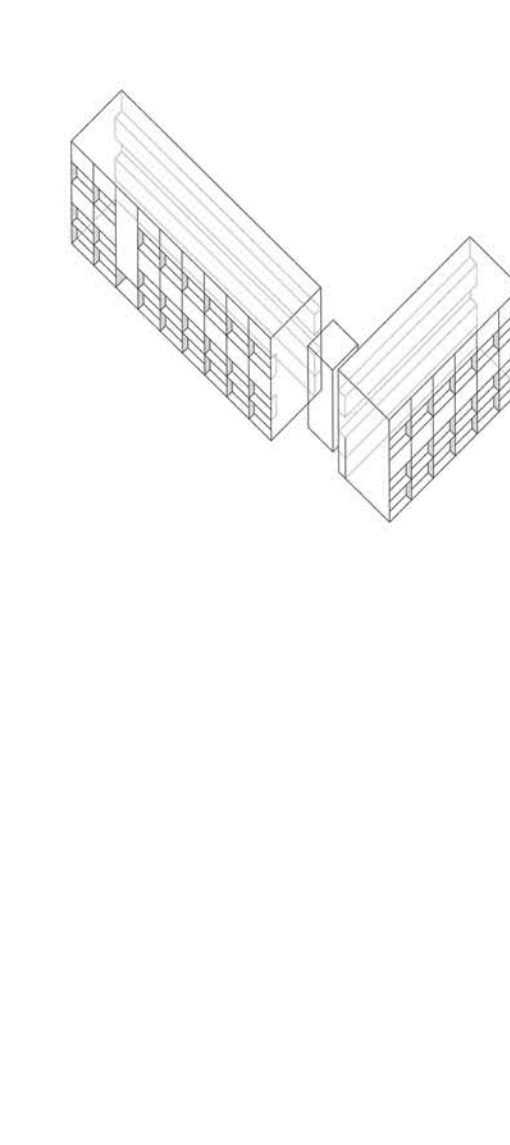


- SUSTAINABILITY FACTORS
- 50% FUEL DEMAND REDUCTION
- ELIMINATE FLAT POVERTY
- UP TO 100% REDUCTION OF HEATING RELATED CARBON EMISSIONS
- SUSTAINABLE ENERGY SOURCE - (ELECTRIC / BIOMASS)
- ELECTRICITY PRODUCTION
- ELIMINATION OF MOULD
- IMPROVED VENTILATION SYSTEMS - AIR QUALITY
- TIMBER FRAME INSULATION LAYER
- CELLULOSE BASED WALL INSULATIONS
- RECYCLED BRICK FOR PAVING
- REUSE OF EXISTING BUILDING FABRIC
- COMMUNAL LAUNDRY / DRYING ROOMS
- COMMUNITY ROOMS
- GREATER PROVISION OF OUTDOOR SPACE
- IMPROVED ACCESS (FIRE & REUSE)
- ROOF TOP ALLOTMENTS
- RAINWATER HARVESTING & REUSE
- HOUSEHOLD WASTE COMPOSTING FACILITIES
- RECYCLING FACILITIES
- BICYCLE RACKS
- WORK / LIVE UNITS
- ELECTRIC PARKING POINTS

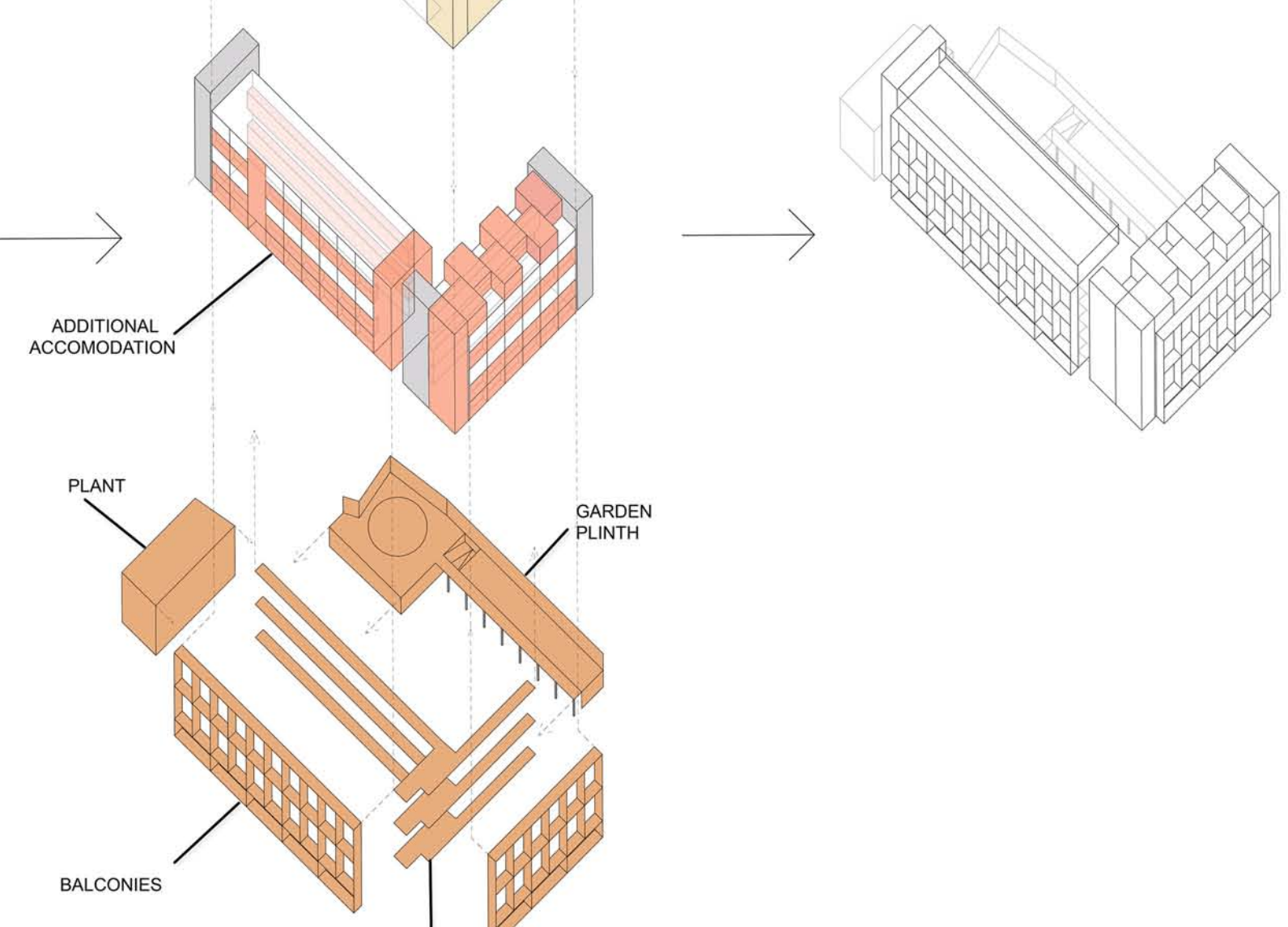


Table with 4 columns: Description, Unit, Value, and Comments. Lists various building metrics and specifications.

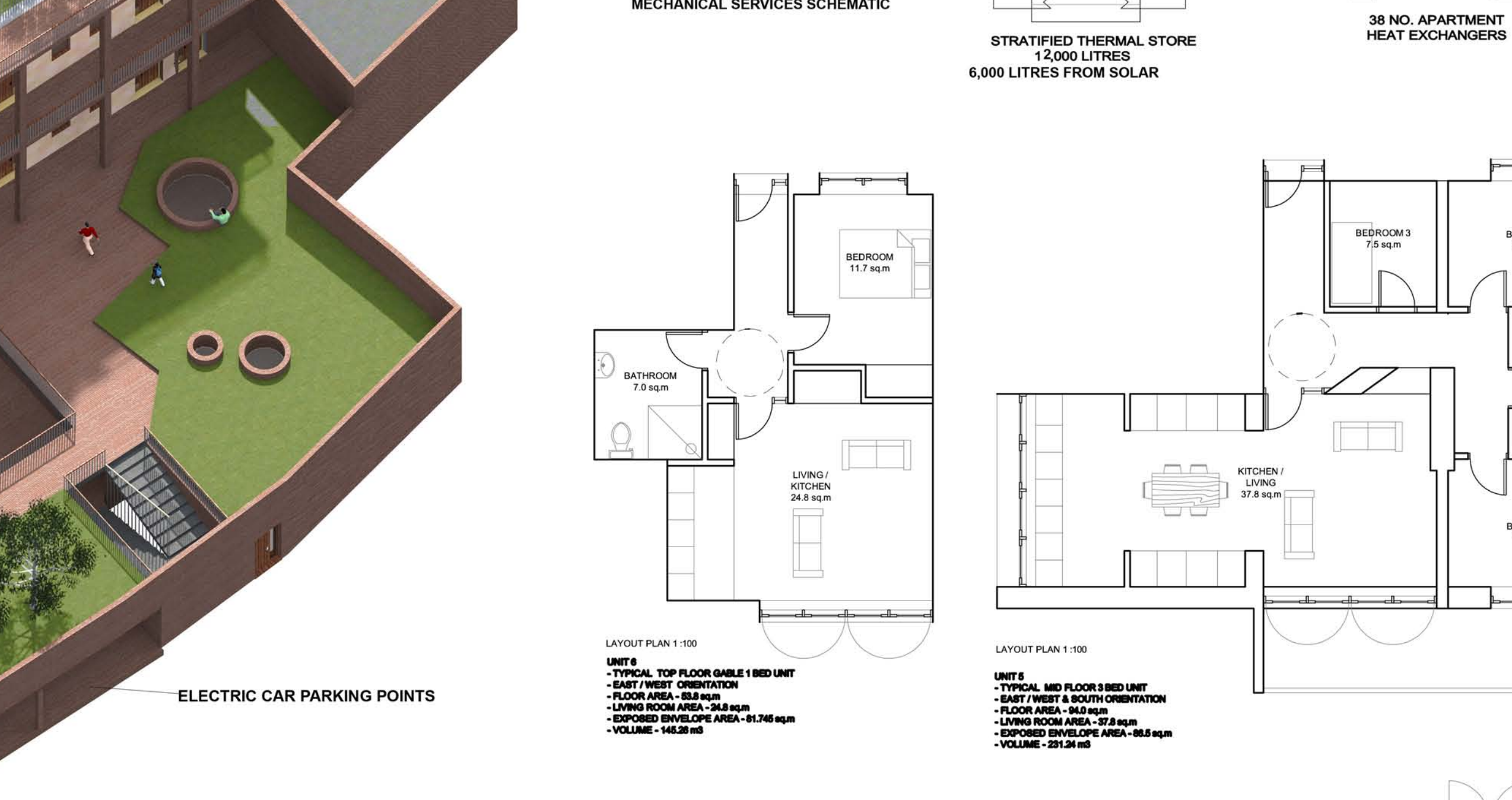
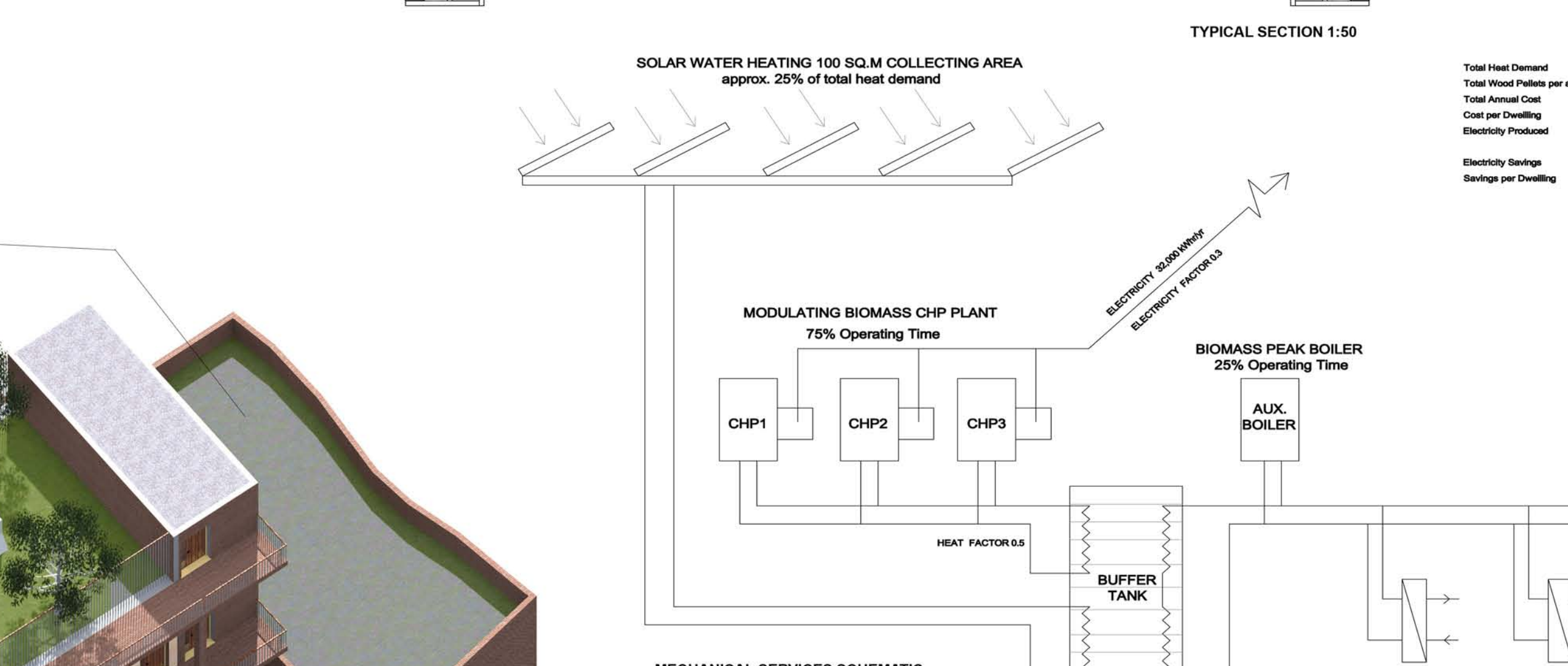
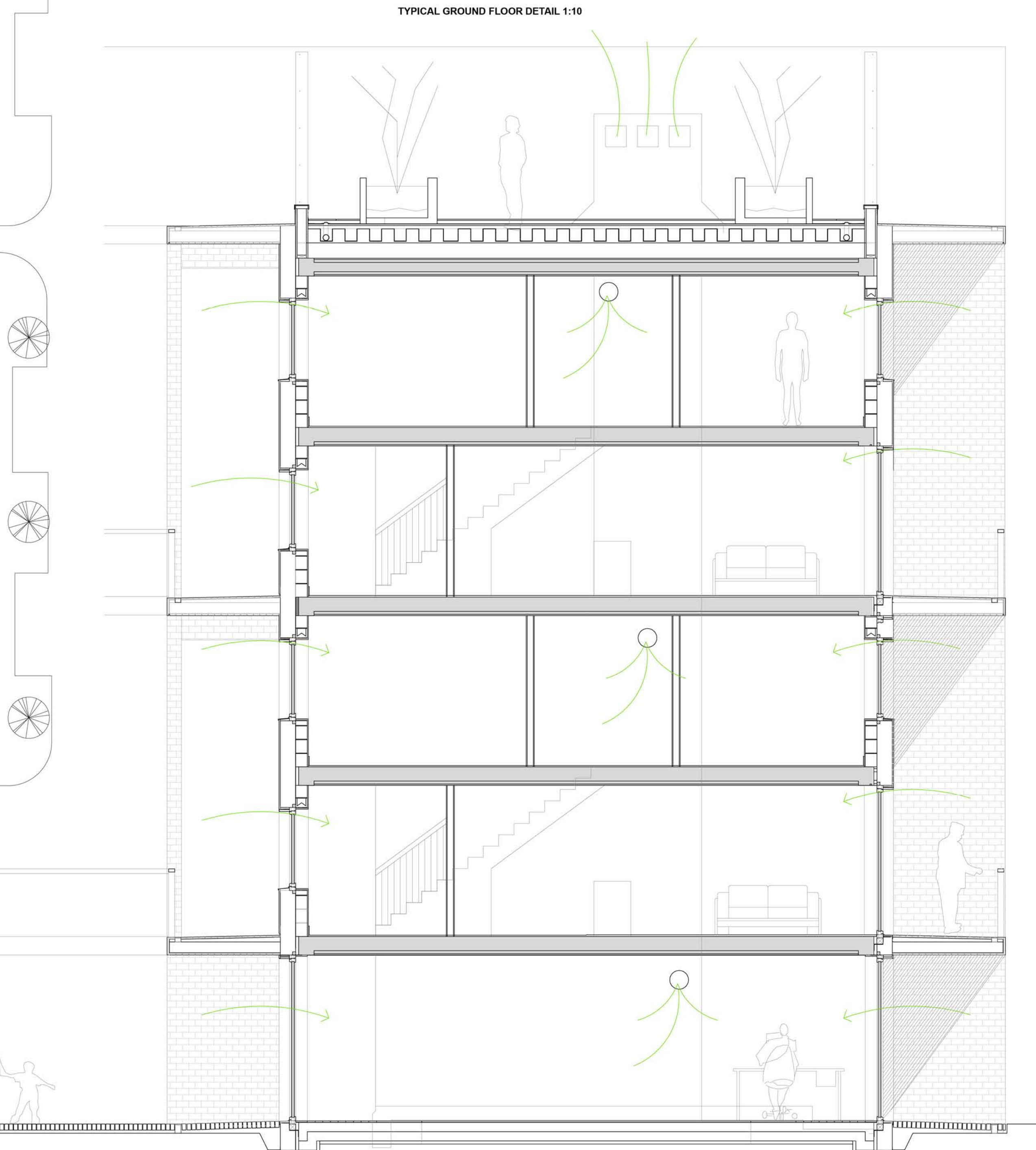
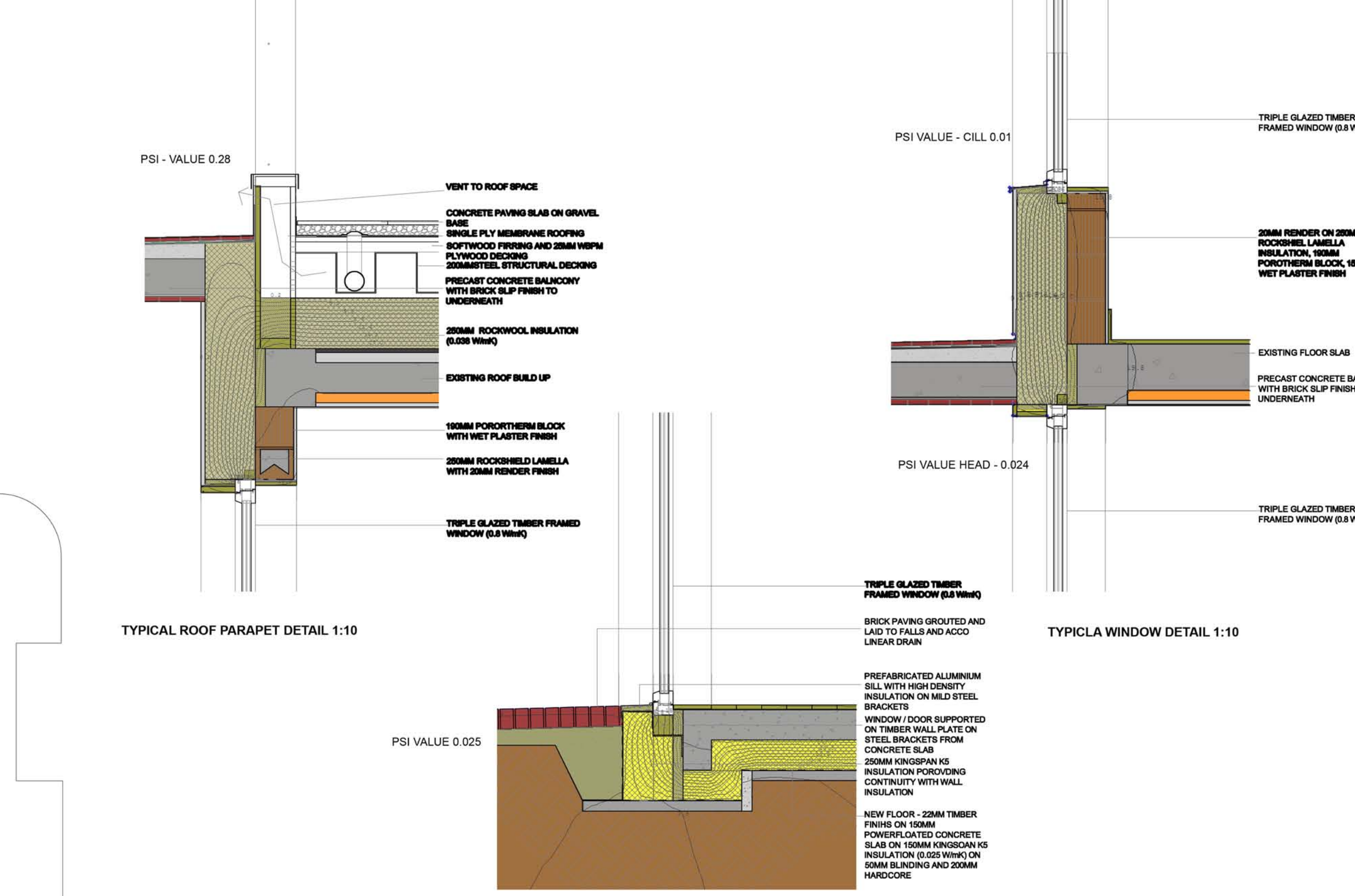
EXISTING



PROPOSED



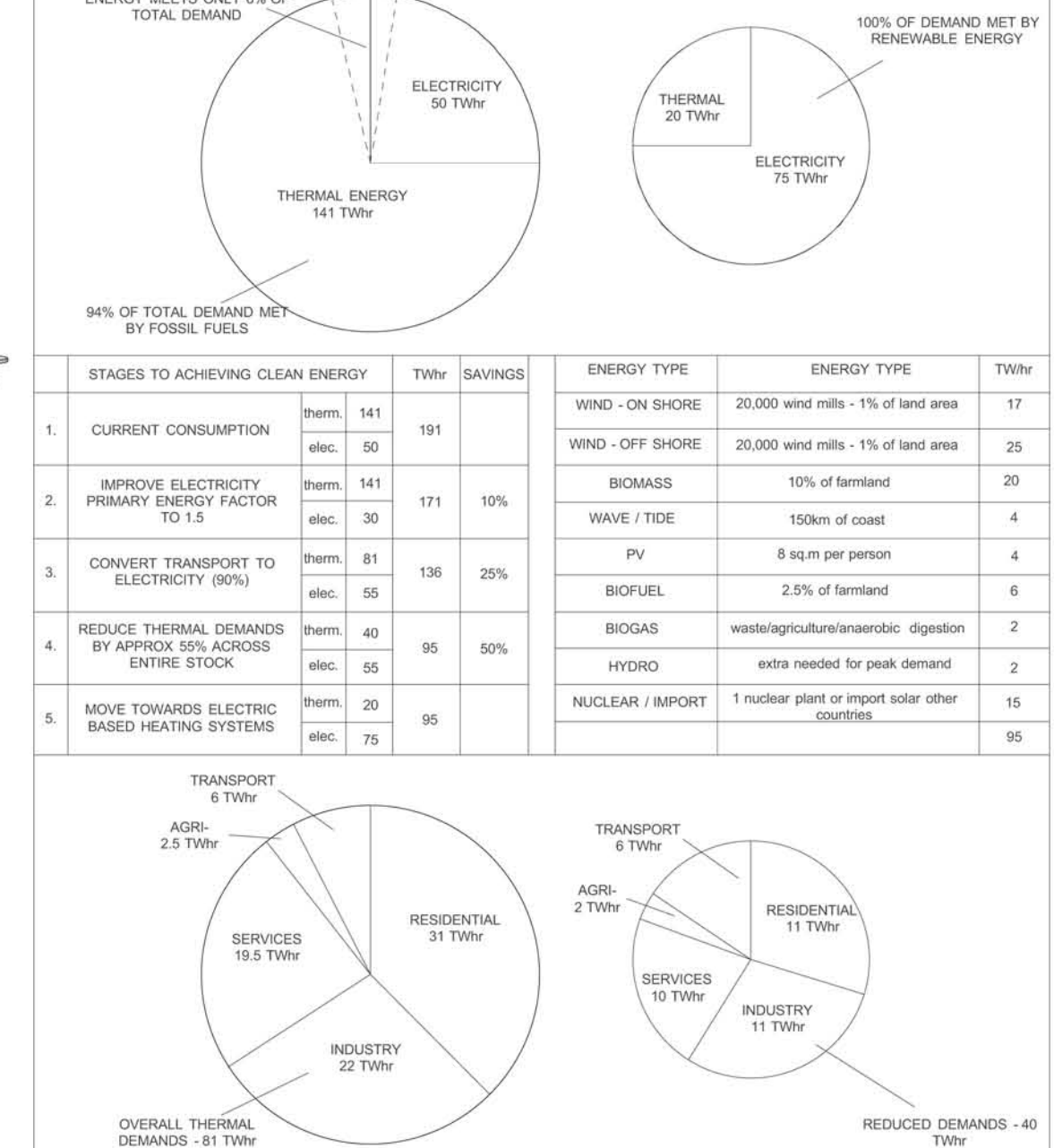
FLAT TOP - REGENERATION



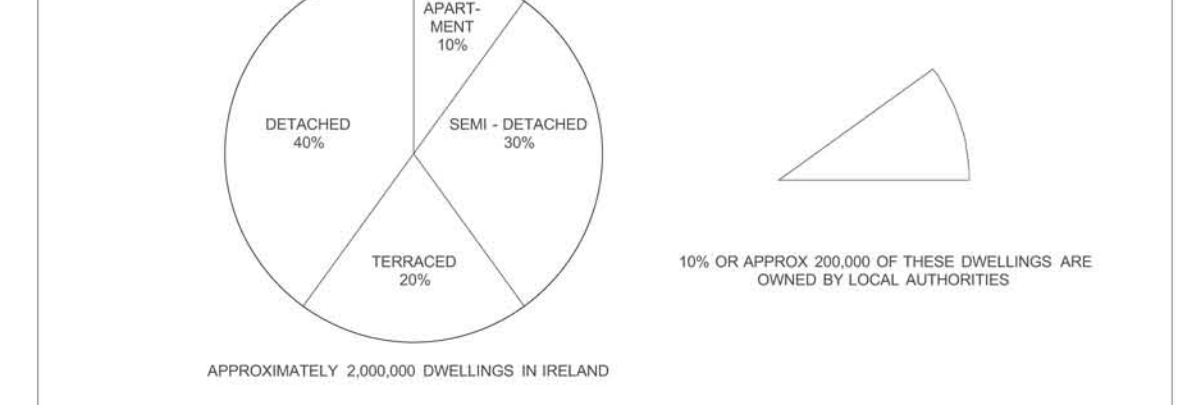
CARBON NEGATIVE 11 TONNES OF CARBON DIOXIDE SAVED EVERY YEAR
FUEL COST OF APPROX €125 PER YEAR PER DWELLING
FUEL POVERTY ELIMINATED
HEATING SEASON OF 2.5 - 3.5 MONTHS
IN ADDITION APPROX. 1,000 kWh OF ELECTRICITY PRODUCED PER UNIT - 20% OF TOTAL ELECTRICITY DEMAND

DAVID LEDWITH C03509915

ENERGY PLAN FOR IRELAND



TARGETING RESIDENTIAL REDUCTIONS



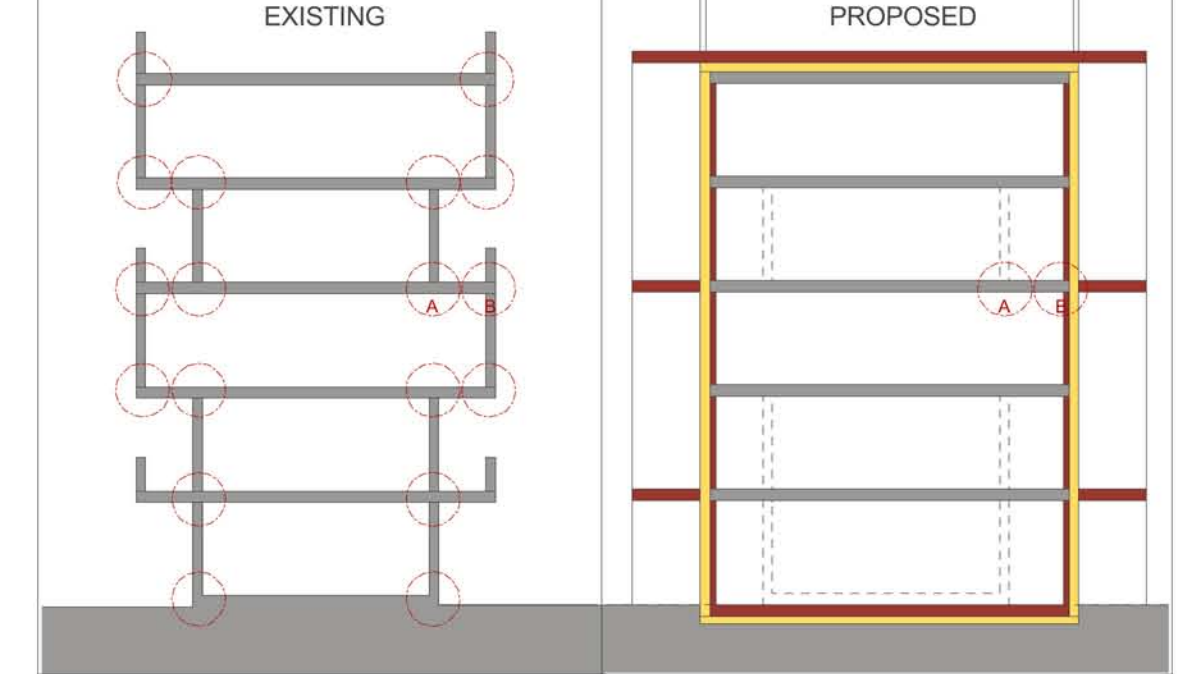
KEY FACTS

Table comparing existing and proposed building characteristics: Floor Area, Volume, Energy Demand, etc.

BUILDING FABRIC UPGRADE

Table detailing building fabric upgrade items: Type, Description, Build Up, U-value, and FRSI value.

THERMAL BRIDGING



TYPICAL U-FACTOR - 0.33

Text explaining the U-factor calculation and the impact of the proposed fabric upgrades.

VENTILATION & AIR TIGHTNESS

Text describing the ventilation strategy and air tightness measures for the proposed building.

MECHANICAL SYSTEMS

Table detailing mechanical systems: BER Band, System, and CO2 emissions.

BER RATING

Table showing BER rating breakdown by unit type and overall building performance.

AVERAGE BER - 36 kWh/sq.m/yr

TOTAL CARBON SAVINGS 11 TONNES PER YEAR

BREEAM DOMESTIC REFINISHMENT

Text describing the BREEAM Domestic Refinement assessment and the resulting score.

FLAT TOP SOCIAL HOUSING BLOCK DUBLIN

Outstanding BREEAM Domestic Refinement score.

