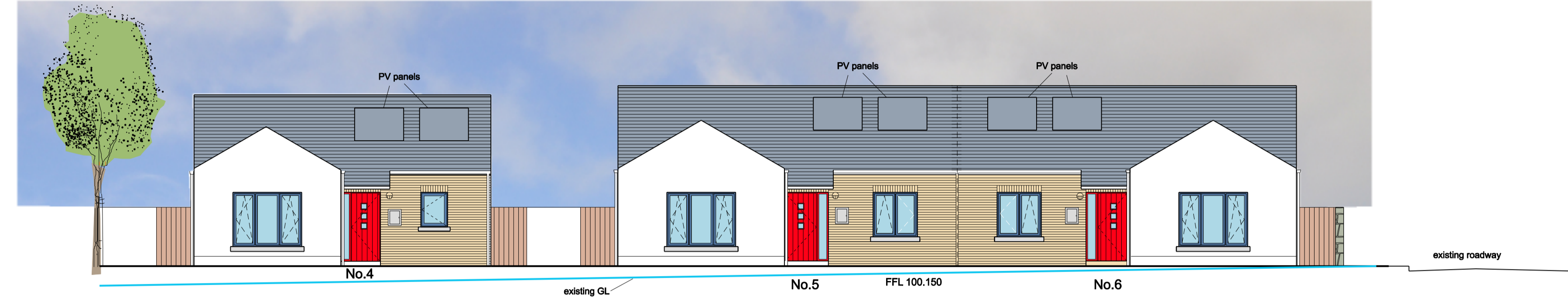


Front Elevation A--A

Rear Elevation B--B



Front Elevation C--C

Specification:

Walls - 100mm blockwork cavity walls with 75mm cavity with sand, cement, lime plaster with 150mm rigid insulation fully taped -- U Value of 0.13w/m2k. with 18mm OSB board fully taped with 38mm service cavity battened out with 12mm plywood with 12mm plasterboard

Roof - Fibre cement slate on roof batten on roof joists with 300mm Quilt insulation, 150mm between ceiling joists and 150mm laid perpendicular to ceiling joists. - U Value of 0.13w/m2k.

Powder coated aluminium gutter and RWP

Floor - 100mm conc screed on 150mm rigid floor insulation on 150mm concrete sub floor. - U Value 0.13 w/m2k.

Thermal Bridging - Acceptable Construction details and Accredited construction details used for all junction details. This allows a thermal bridging factor of 0.08 w/m2k which is assumed in this analysis.

Windows - Triple glazed windows, Passiv Future proof throughout, U Value 0.80 w/m2k and g value (solar transmittance) of 0.56.

Concrete cills.

Boiler/Heat Pump - Air to Water Heat Pump.

Hot Water and Heating Controls - Time and temperature zone control including minimum 2 no. space heating zones and separate hot water zone including separate timing and thermostatic control. (7 day by 24 hour programmer and stats for each zone including stat on cylinder).

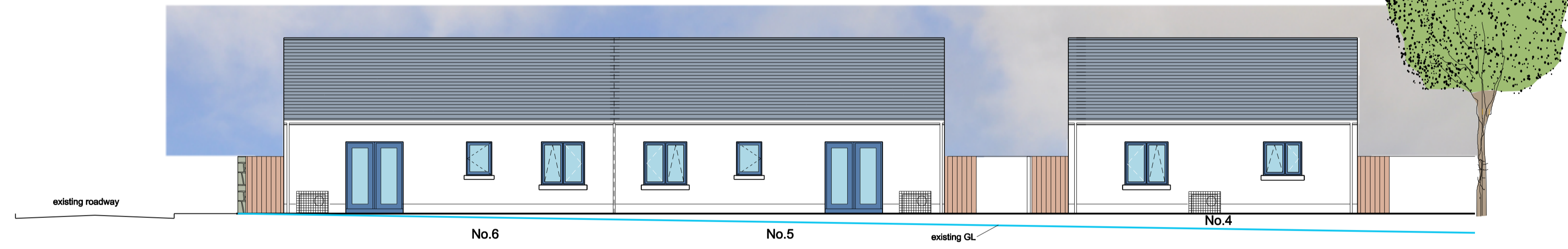
Renewable Energy - As Per Boiler/Heat Pump.

Provide 2 no. PV panels per unit on South side of unit.

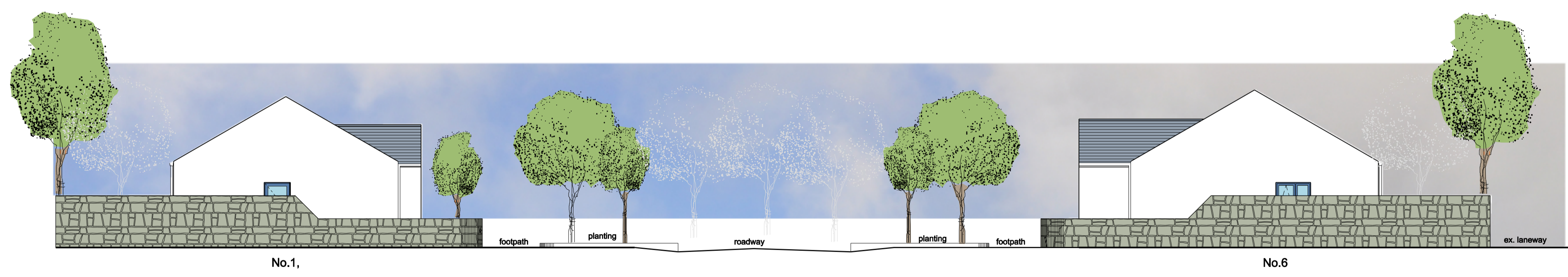
Ventilation - Demand Control Ventilation

Air Tightness - Air permeability target of q50 1.0 (m3/h/m2)

Lighting - Assumed minimum 100% energy efficient assumed throughout.



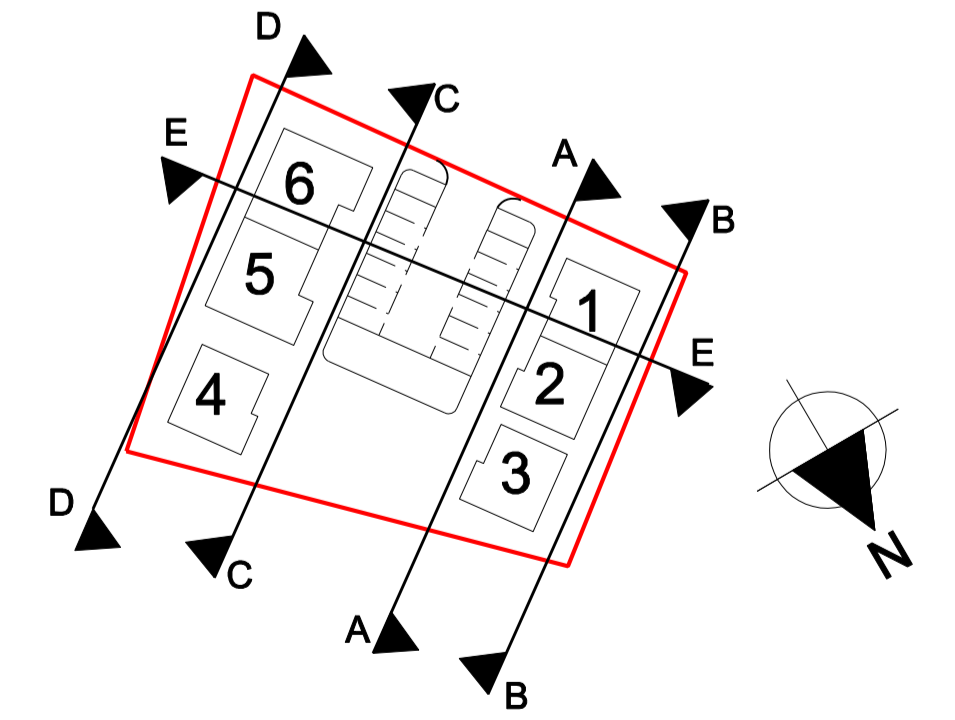
Rear Elevation D--D



Elevation from Roadway



Site Section E--E



| | | | |
|---|----------------------------|---|--|
| Sligo County Council Architects Department | | Riverside, Sligo Tel: (071) 9111111 E-mail: architecture@sligococo.ie | |
| PROJECT: Housing at Bunninadden | PROJECT NO: 1:10:42 | DATE: July 2020 | |
| DRAWING NO: Elevations A-A, B-B, C-C, D-D | SCALE: 1:100 @ A1 | STAGE: Part 8 | |
| COMPUTER REF:FILE: e:\arch\projects\1:10:42\Part 8 | DRAWN BY: DC | CHECKED BY: | |