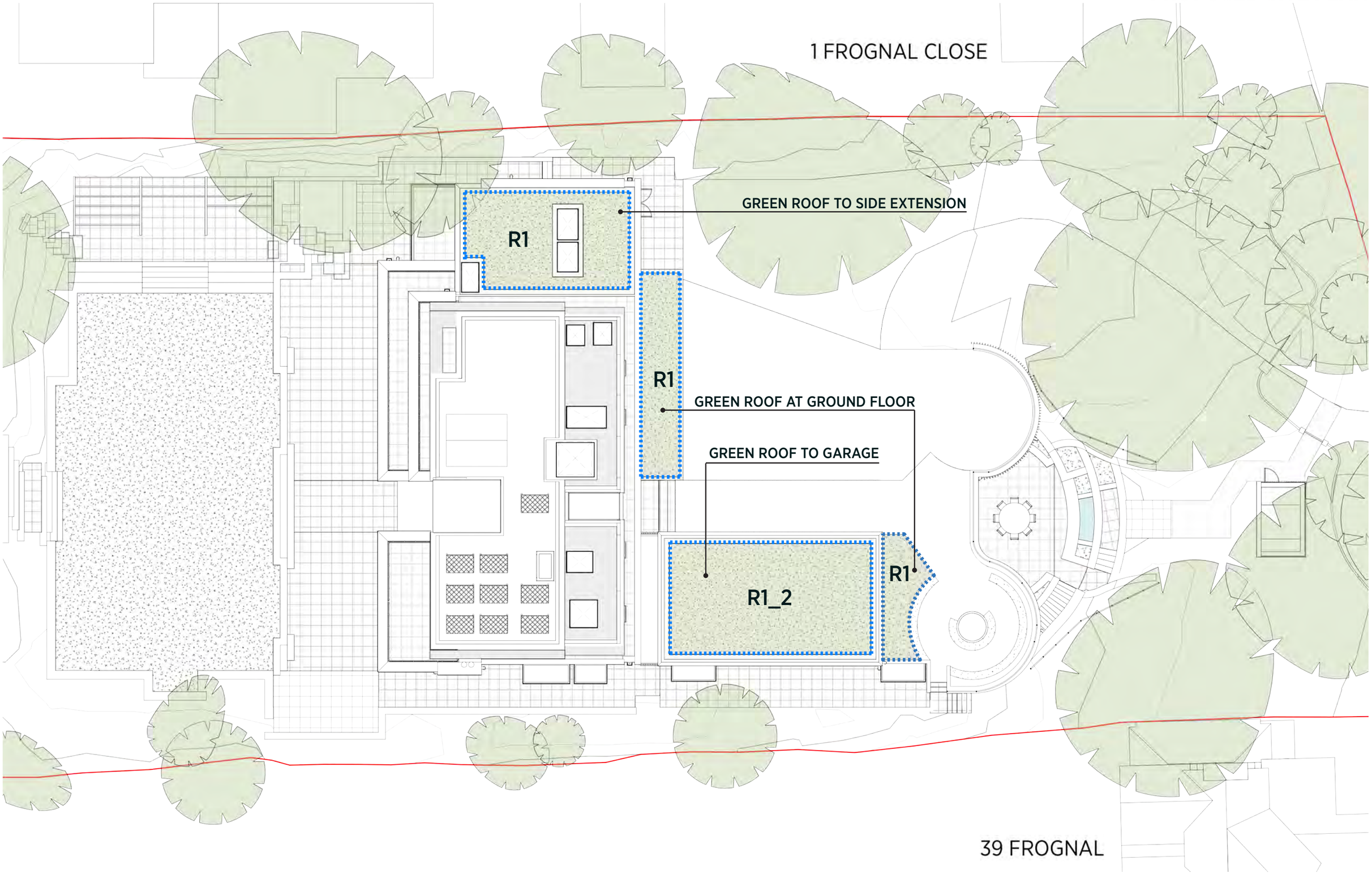
PROPOSED SITE PLAN

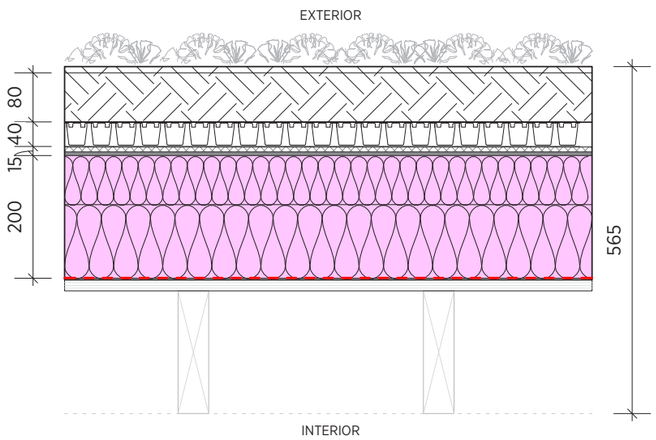


41 FROGNAL

GREEN ROOF DETAILS

GREEN ROOF SECTIONS AND BUILD-UP

R1 BAUDER DSE40 EXTENSIVE GREEN ROOF

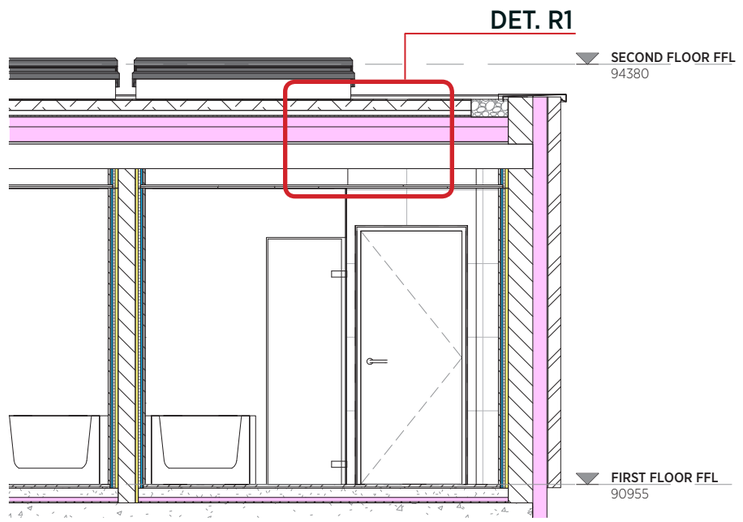


- Wildflower Blanket	
- Extensive / Biodiverse substrate (thickness varies)	min 80 mm
- Bauder Filter Fleece	
- Bauder DSE40 - Bauder to specify correct board to be used	40 mm
- Bauder FSM1100 Protection Mat	8 mm
- Bauder PE Foil (two layers)	4.2mm
- Bauder Caping Sheet	
- Bauder Sprint Duo Underlayer	2mm
- Bauder PIR FA-TE insulation	120+80 mm
- Bauder Vapour Control Layer	2.5mm
- Bauder Random Nailed Layer	
- Plywood decking	18 mm
- Timber frame structure to S.E. details	200 mm
OVERALL THICKNESS	**MIN 565 mm**

Calculated 'U' value = **0.11 W/m²K** in accordance with BS EN ISO 6946:2007

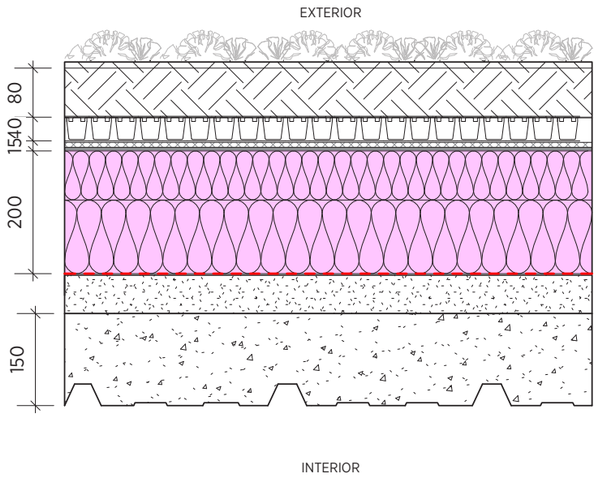
Contractor to allow for overflows where required in flat roofs and terraces

NOTE: No thermal performance is taken for the green roof system



1:50 SECTION THROUGH THE SIDE EXTENSION

R1_2 BAUDER DSE40 EXTENSIVE GREEN ROOF



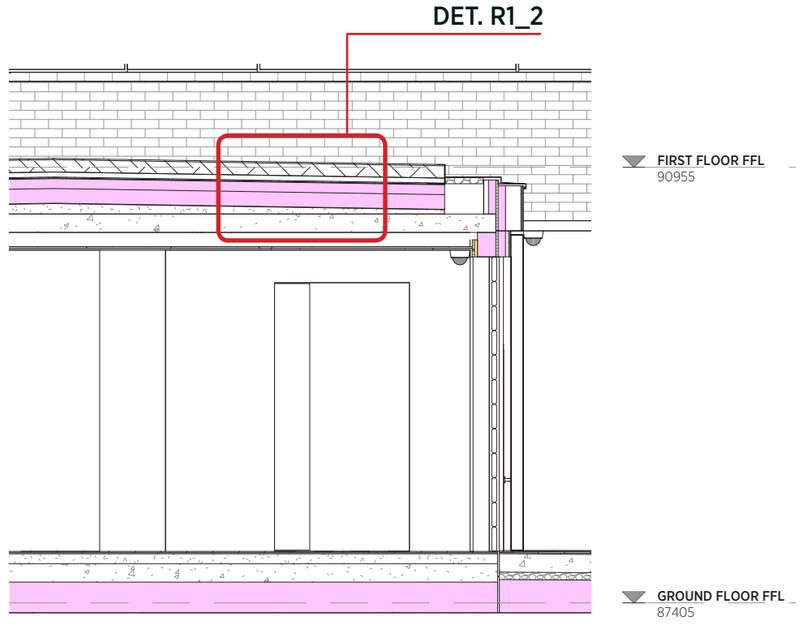
- Wildflower Blanket	
- Extensive / Biodiverse substrate (thickness varies)	min 80 mm
- Bauder Filter Fleece	
- Bauder DSE40 - Bauder to specify correct board to be used	40 mm
- Bauder FSM1100 Protection Mat	8 mm
- Bauder PE Foil (two layers)	4.2mm
- Bauder Caping Sheet	
- Bauder Sprint Duo Underlayer	2mm
- Bauder PIR FA-TE insulation	120+80 mm
- Bauder Vapour Control Layer	2.5mm
- Bauder Random Nailed Layer	
- Screed to fall	Varies
- Concrete composite roof panel	150 mm
OVERALL THICKNESS	**MIN 535 mm**

Calculated 'U' value = **0.11 W/m²K** in accordance with BS EN ISO 6946:2007

Contractor to allow for overflows where required in flat roofs and terraces

NOTE: No thermal performance is taken for the green roof system

GREEN ROOF BUILD-UPS
1:10



SECTION THROUGH THE GARAGE ROOF
1:50