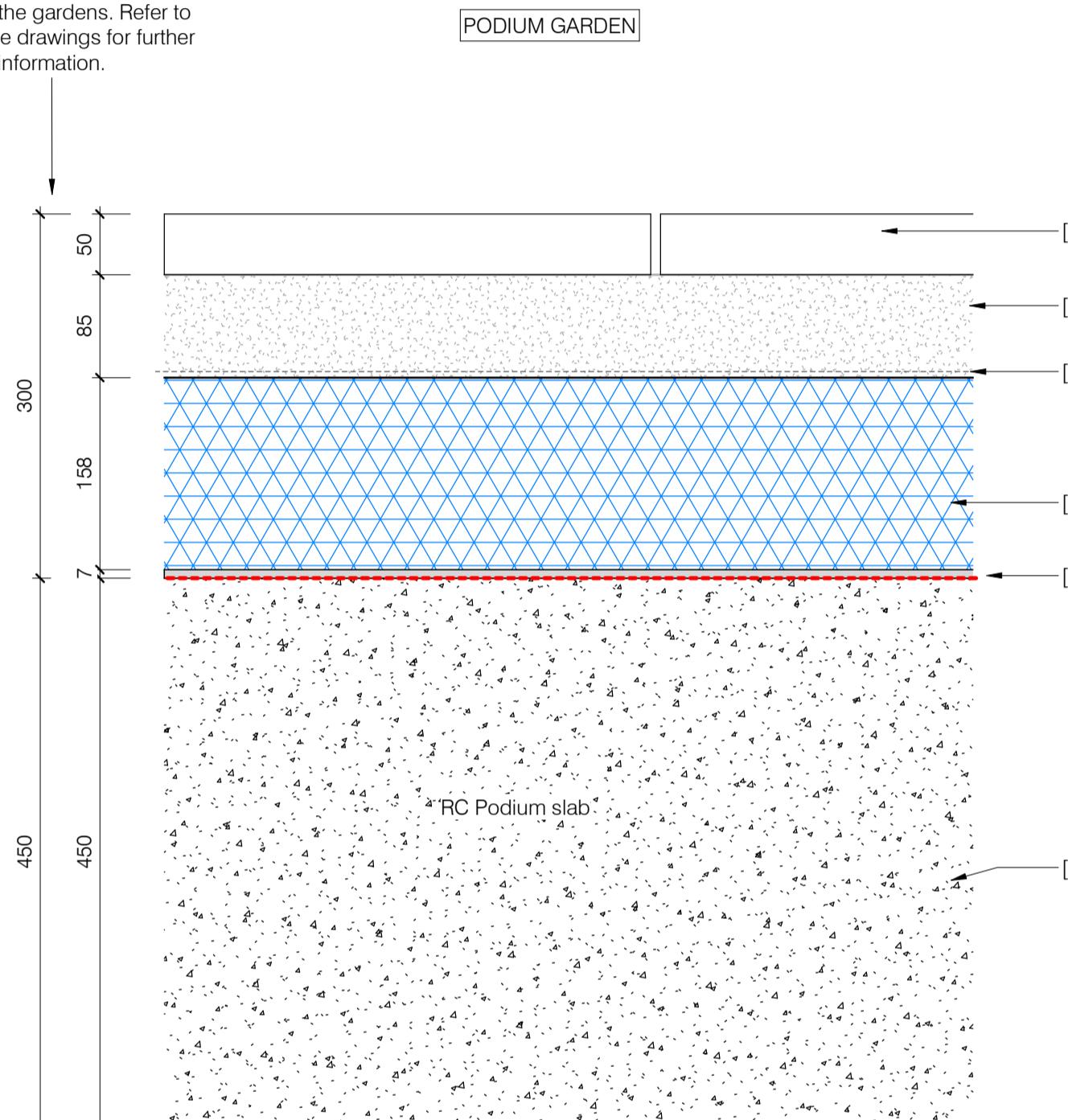


Residential Fabric Elements -  
Table from EDC/Stroma Energy Strategy

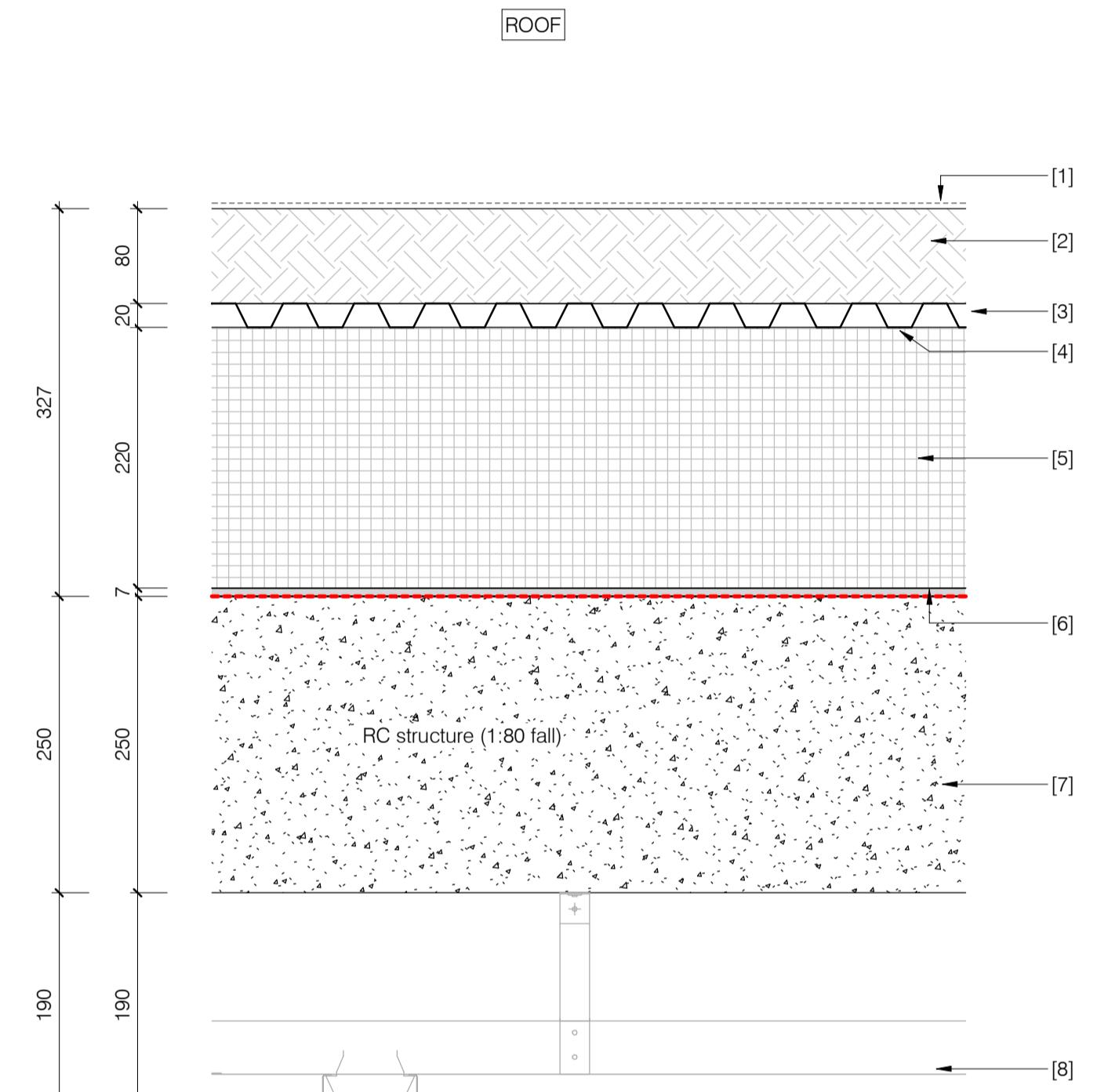
Element	Part L Average Minimum U-value (W/m <sup>2</sup> K)	Proposed U-value (W/m <sup>2</sup> K)
External Wall	0.30	0.18
Walls to Core	0.30	0.30
Walls to Corridor	0.30	0.21
Walls to Refuse	0.30	0.21
Ground / Exposed Floors	0.25	0.13
External Roof	0.20	0.13
Doors	3.00	1.40
Windows	2.00	1.40
Thermal Bridging	0.15	0.072-0.186

Typical Podium Build-up

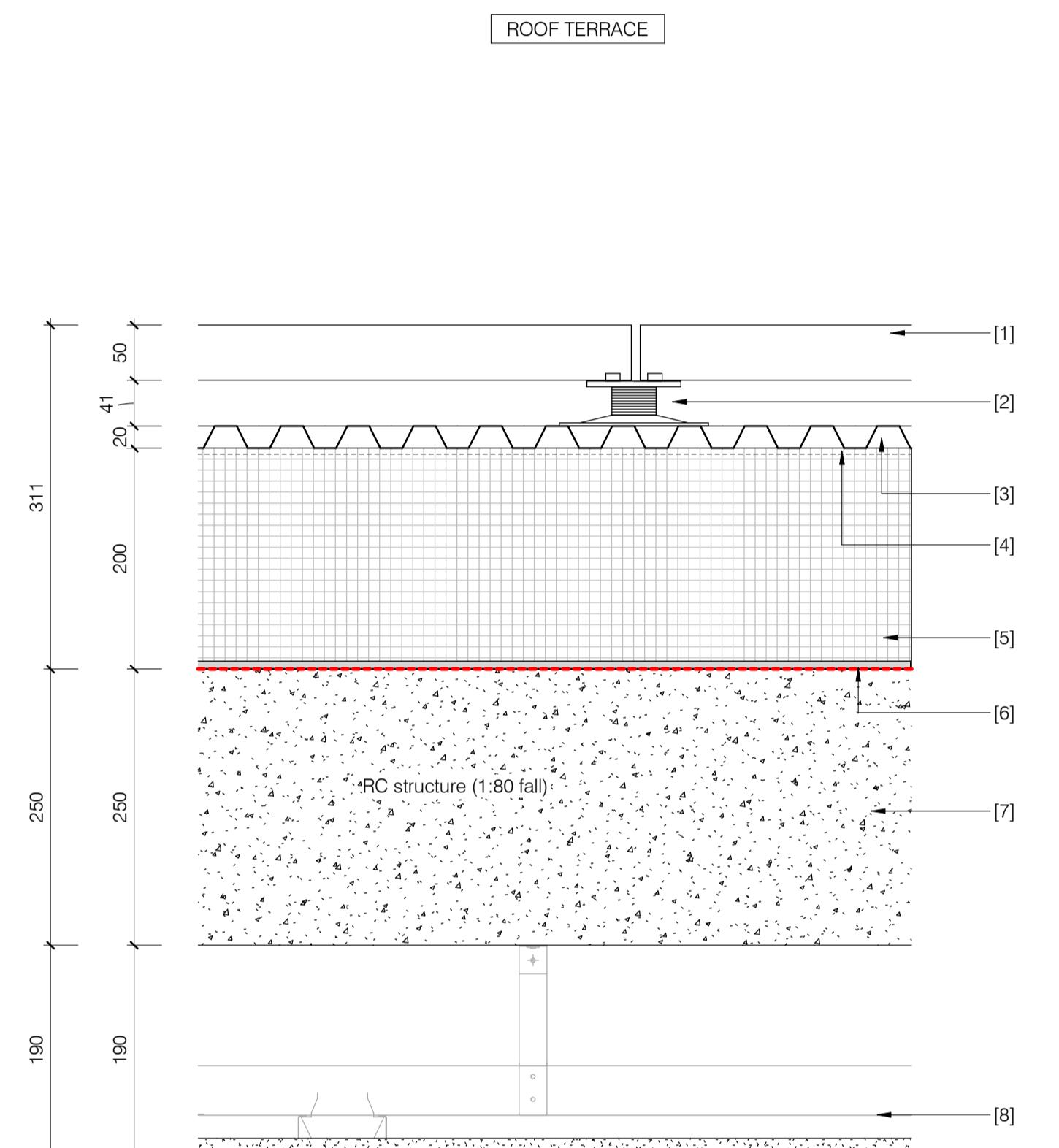
Build-up is limited to a max. 300mm depth where the podium garden adjoins the building line. Tree pits etc are built up from this point in the centre of the gardens. Refer to Landscape drawings for further information.



Typical Brown/Green Roof Build-up



Typical Terrace Roof Build-up



U-Value - N/A

U-Value Achieved - 0.13W/m<sup>2</sup>K

see Axter Ref 12934 - 22 Jan 2020

Target U-Value - 0.14W/m<sup>2</sup>K

see Axter Ref 12934 - 22 Jan 2020

1. Podium finish surfaces vary - see Landscape Architects spec
2. Podium finish substrates vary - see Landscape Architects spec
3. Root barrier / geotextile layer
4. 158mm ABG Blueroot VF HD (or similar approved blue roof system). Refer to Axter Aquamodul Attenuation & Outflow Calculation sheets for basis of Blue roof design.
5. 7mm WILOTEKT membrane & hot melt compound, or similar approved.
6. RC Podium slab to SE spec

1. Planting as per Axter spec
2. 80mm HYDROSOL growing medium 80% saturated plus plants
3. 20mm HYDRODRAIN 20
4. AXTER® WFRL (Water Flow Reducing Layer)
5. 220mm HYTHERM ECO XPS Insulation
6. 7mm WILOTEKT membrane & hot melt compound
7. RC slab to 1:80 falls. To SE Spec
8. Refer to ceiling types - (Ceiling Type 1 or 2)

1. Permeable Concrete paving stones, spec TBC
2. Noncombustible pedestal supports for paving
3. 20mm HYDRODRAIN 20
4. AXTER® WFRL (Water Flow Reducing Layer)
5. 200mm HYTHERM ECO XPS Insulation
6. 7mm WILOTEKT membrane & hot melt compound
7. RC slab to 1:80 falls
8. Refer to ceiling types - (Ceiling Type 1 or 2)

Commercial Fabric Elements -  
Table from EDC/Stroma Energy Strategy

Element	Part L Average Minimum U-value (W/m <sup>2</sup> K)	Proposed U-value (W/m <sup>2</sup> K)
External Wall	0.35	0.18
Ground Floor	0.25	0.20
External Roof	0.25	0.13
Roof Lights	2.20	1.40
Windows	2.20	1.40