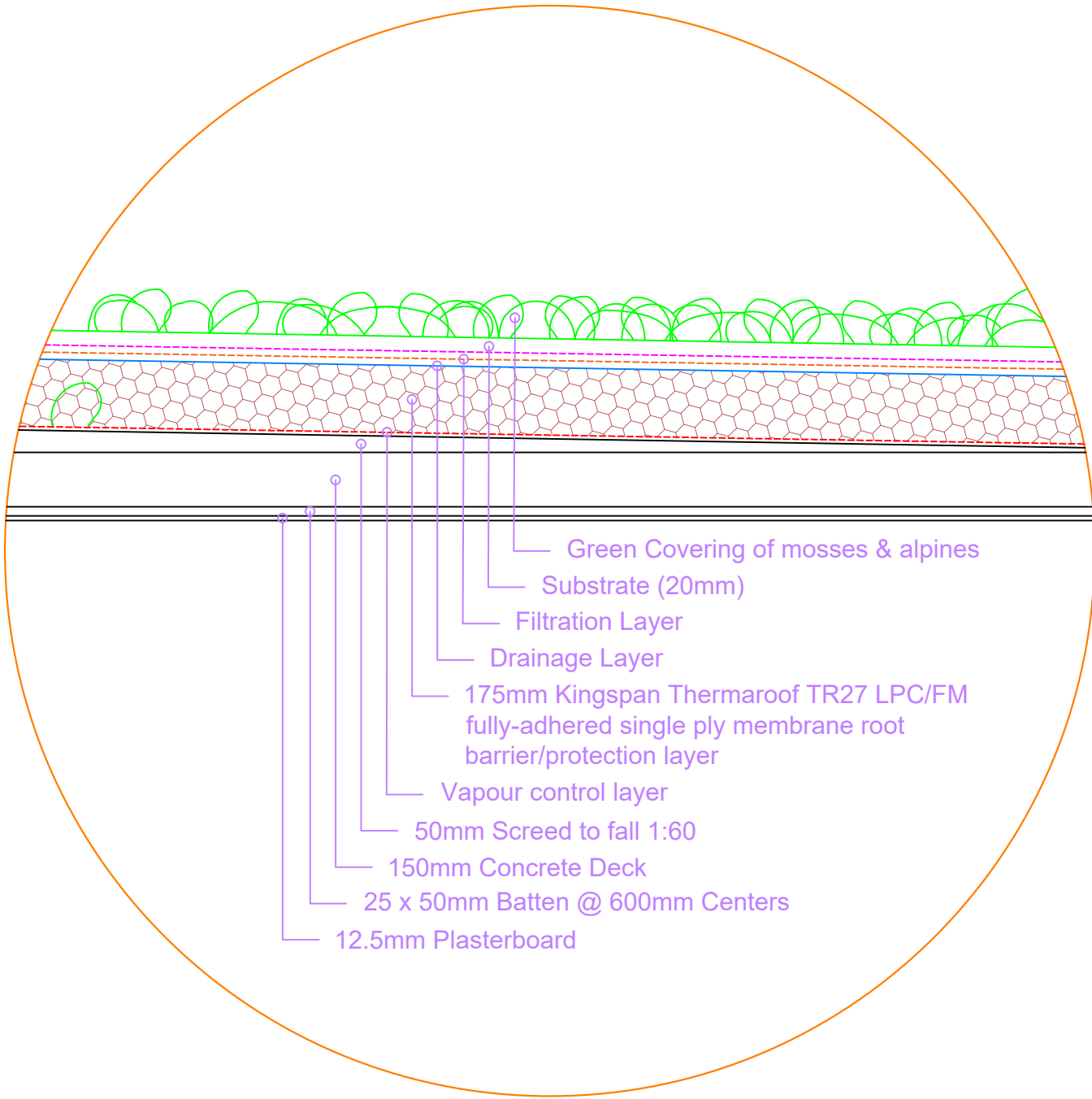


- 1 THIS IS A C.A.D. PRODUCED DRAWING AND SHOULD NOT BE AMENDED BY HAND
- 2 All dimensions in millimetres unless otherwise stated
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- 4 Any errors or omissions to be reported to the Designer
- 5 Do NOT scale of this drawing - all dimensions and levels to be checked and confirmed on site.

Green Roof U Value: 0.13W/m²K



Element Description	Element Thickness (mm)	Thermal Conductivity (W/mK)	Thermal Resistance (m²K/W)	Vapour Resistivity (MNs/gm)	Vapour Resistance (MNs/g)	Mean T (K)	Delta T (K)
Outside surface resistance	-	-	0.040	-	-	78.25	0.08
GREEN ROOF SYSTEM	80.0	-	0.000	-	0.00	78.29	0.00
SINGLE PLY MEMBRANE (adhered)	1.5	0.160	0.009	-	138.00	78.30	0.02
KINGSPAN THERMAROOF TR27 LPC / FM	90.0	0.025	3.600	300.00	27.00	81.87	7.12
KINGSPAN THERMAROOF TR27 LPC / FM	85.0	0.025	3.400	300.00	25.50	88.79	6.73
VAPOUR CHECK BITUMINOUS	3.0	0.230	0.013	0.00	300.00	92.17	0.03
SAND CEMENT SCREED	50.0	1.400	0.036	100.00	5.00	92.22	0.07
CONCRETE 1:2:4 2000 kg/m³	150.0	1.400	0.107	100.00	15.00	92.36	0.21
TIMBER BATTEN CAVITY; U/V. 8.8% roof timber - 47mm @ 600mm ctrs + 1% for noggins.	25.0	-	0.163	-	0.03	92.63	0.32
PLASTERBOARD	12.5	0.190	0.066	50.00	0.63	92.85	0.13
PLASTER SKIM	3.0	0.180	0.017	60.00	0.18	92.94	0.03
Inside surface resistance	-	-	0.100	-	-	93.05	0.20

Rev

Details

Dr

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Date

Drawing Status

☐ Design Development

☐ Tender

☐ Design Development Pre-Construction

☐ Construction

☐ Record

Client

University of Wales Trinity St David

Design Drawings

Novus Construction Ltd
Unit A - 1st Floor
Langdon Road
Swansea Business Park
SA1 8AG
T: 01792 204235
E: information@novusconstructionltd.com

Novus Construction
Building the Future

Project

UWTSD Halls of Residence
SA1 Development, Plot E9

File No.

No:1

General Ledger Code:

2020

Drawn

MD

Checked

IG / ER
NH / LE

Approved

IG / ER
NH / LE

Date

10/04/20

Date

10/04/20

Date

10/04/20

Scales

NTS

Drawing No.

AD11 - Green Roof Detail

Rev: 1