

BLUE ROOF STORAGE AND OUTFLOW SUMMARY

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Project Name:	115-119 Camden High Street, London, NW1 7JR - Lower Roof		
Prepared for:	Clancy Consulting		
Date:	17/05/2019		
ABG Project ID:	17338	Calculator version:	1.2
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Notes/description:	Ballasted or paved finish. Maintenance or Pedestrian amenity access only. Warm/inverted roof construction, with zero falls.		

Input Parameters - Rainfall Information (Flood Studies Report 1975)

Return period:	100 years	<i>As supplied by Client</i>
Allowance for Climate Change:	40 %	<i>As supplied by Client</i>
Location selected for FSR data:	London (NW)	

Input Parameters - Roof Information

Total catchment area:	76 m ²	<i>As supplied by Client</i>
Attenuation area:	58 m ²	<i>As supplied by Client</i>
Maximum allowable runoff:	1.1 l/s	<i>As supplied by Client</i>

Output - Rainfall Calculation

Duration	Time to Empty	Restricted Outflow (l/s)
15 mins	0 hours and 50 minutes	1.0
30 mins	0 hours and 50 minutes	1.0
1 hour	0 hours and 50 minutes	1.0
2 hours	0 hours and 30 minutes	0.7
4 hours	0 hours and 0 minutes	0.2
6 hours	0 hours and 0 minutes	0.1
10 hours	0 hours and 0 minutes	0.1
24 hours	0 hours and 0 minutes	0.0
48 hours	0 hours and 0 minutes	0.0

Total attenuation required: 2.8 m³
Half empty time: 0 hours and 30 minutes.

Output - Recommended Blue Roof System

System Name:	ABG bluerroof 58mm
Description:	No.of control positions TBC by design team, and also with the structural engineer's deflection analysis.

Total attenuation capacity:	2.9 m ³
Number of Blue Roof outlets:	2

- Notes:
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Blue Roof Estimate

