



70 Landseer Road,
Ipswich,
Suffolk,
IP3 0DH

T: +44 (0)1473 257671
F: +44 (0)1473 230761
W: www.bauder.co.uk
E: info@bauder.co.uk

Client: Watkins Gray International
Project: Chester Road Hostel
Designer: M.MIAH

Y/R:
O/R: B235630
Date: 23/11/2023

Roof Number:	1	2	3	4
BSEN12056-3:2000 Rainfall Category:	Cat 1	Cat 1	Cat 1	Cat 2
Rainfall Intensity (l/(s.sq.m)):	0.023	0.023	0.023	0.066
Catchment Area:	Block A - Green Roof Installed	Block C - Green Roof Installed	Block A1 - Green Roof Installed	Common Room Roof
Effective Area (sq.m):	197.0	187.0	392.0	17.0

Outlets:				
Outlet type:	BIT DN70-Vert	BIT DN70-Vert	BIT DN70-Vert	BIT DN70-Vert
Diameter (mm):	75	75	75	75
Chute outlet width (mm):				
Chute outlet depth (mm):				
Sump depth (mm):				
Number:	2	2	Auto	Auto
Head of water at outlet:	35	35	35	35
Leafguard:	Int	Int	Int	Int

Results:				
Required total flow rate (l/s):	4.62	4.39	9.19	1.12
Required outlet flow rate (l/s):	2.31	2.19	4.60	1.12
Achieved outlet flow rate (l/s):	4.97	4.97	4.97	4.97
Number of outlets:	2	2	2	1
Min downpipe* with taper (mm):	75	75	75	75

Hopper Size (if calculated):
Hopper width (mm):
Hopper depth (mm):
Hopper projection (mm):
Min outlet size (mm)

Notes: All results to BSEN12056-3:2000 based on the input data. Please check input data has been correctly interpreted.
Results from CRM Flatflow flat roof drainage evaluator. Copyright CRM Rainwater Drainage Consultancy Ltd © 2023
All results based on local roof water depth of 35mm + any sump depth. Ensure outlets are evenly distributed
* Diameter for round, side dimension for square downpipes

The Bauder Flat Roof Rainwater Calculation Software will perform calculations in accordance with BS EN 12056-3:2000 based upon provided data relating to a specific building's dimensions geographical location and the flow rate performance of the selected Bauder rainwater outlet product and includes for leafguards. Whilst the information contained herein is to the best of our knowledge true and accurate we specifically exclude any liability for errors omissions or otherwise arising therefrom. Details practices principles values and calculations should be verified for accuracy and suitability for the required purpose for use. Overflows should be provided on all roofs. A full capacity overflow should be provided when only one outlet on roof area.



70 Landseer Road,
Ipswich,
Suffolk,
IP3 0DH

T: +44 (0)1473 257671
F: +44 (0)1473 230761
W: www.bauder.co.uk
E: info@bauder.co.uk

Client: Watkins Gray International
Project: Chester Road Hostel
Designer: M.MIAH

Y/R:
O/R: B235630
Date: 23/11/2023

Roof Number: 5
BSEN12056-3:2000 Rainfall Category: Cat 2
Rainfall Intensity (l/(s.sq.m)): 0.000

Catchment Area:

Effective Area (sq.m): 0.0

Outlets:

Outlet type:

Diameter (mm):

Chute outlet width (mm):

Chute outlet depth (mm):

Sump depth (mm):

Number: Auto

Head of water at outlet: 35

Leafguard: No

Results:

Required total flow rate (l/s): 0.00

Required outlet flow rate (l/s): NaN

Achieved outlet flow rate (l/s): 0.00

Number of outlets: 0

Min downpipe* with taper (mm):

Hopper Size (if calculated):

Hopper width (mm):

Hopper depth (mm):

Hopper projection (mm):

Min outlet size (mm)

Notes: All results to BSEN12056-3:2000 based on the input data. Please check input data has been correctly interpreted.
Results from CRM Flatflow flat roof drainage evaluator. Copyright CRM Rainwater Drainage Consultancy Ltd © 2023
All results based on local roof water depth of 35mm + any sump depth. Ensure outlets are evenly distributed
* Diameter for round, side dimension for square downpipes

The Bauder Flat Roof Rainwater Calculation Software will perform calculations in accordance with BS EN 12056-3:2000 based upon provided data relating to a specific building's dimensions geographical location and the flow rate performance of the selected Bauder rainwater outlet product and includes for leafguards. Whilst the information contained herein is to the best of our knowledge true and accurate we specifically exclude any liability for errors omissions or otherwise arising therefrom. Details practices principles values and calculations should be verified for accuracy and suitability for the required purpose for use. Overflows should be provided on all roofs. A full capacity overflow should be provided when only one outlet on roof area.