

Water Calculations

Water Calculation Report for 1 Hillfield Road, London, NW6 1QD

Project: 1 Hillfield Road

Our Reference: TNCT/22/11/DA/HR

Report Date: 22/12/2022

Site Address: 1 Hillfield Road, London, NW6 1QD

Client: Ace of Hearts Investments Ltd

Client Address: 5 Broadbent Close LONDON N6 5JW

QA Control:

| | Name | Position | Signature | Date |
|-------------|----------------|----------|-----------|------------|
| Prepared By | Aharon Horwich | Director | | 22/12/2022 |
| Approved By | Aharon Horwich | Director | | 22/12/2022 |

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The Building Compliance Team, 34 Bury Old Road, Manchester, M25 0FT



0203 773 9222



info@thebuildingcomplianceteam.com



www.thebuildingcomplianceteam.com

Contents

1.0 Executive Summary

1.1 Instruction

The Building Compliance Team have been appointed by Ace of Hearts Investments Ltd to provide a water efficiency calculation regarding proposed works the excavation of basement including new front bay window and front garden area. Erection of single storey rear extension and green roof above, installation of two rooflights to front roof slope and replacement dormer window to rear roof slope in the creation of one additional residential unit and erection of bin and bike store to rear. at 1 Hillfield Road, London, NW6 1QD under application 2019/2109/P.

1.2 Calculation

A summary of the Water Efficiency Calculations are shown in Table 1 below.

| Unit Number | Water Calculation (Litres Per Person Per Day) | Assessment Criteria (Litres Per Person Per Day) | Pass/Fail |
|-------------|--|--|-----------|
| A | 104.8 | 105 | PASS |
| B | 104.8 | 105 | PASS |
| C | 104.8 | 105 | PASS |
| D | 104.8 | 105 | PASS |

Table 1: Water Efficiency Calculation

1.3 Conclusion

Based on the calculations and assessments made within this report it is the professional opinion of The Building Compliance Team Ltd that compliance in respect to Water Efficiency can be met at the proposed development.



2.0 Introduction

2.1 Background

The Building Compliance Team Ltd has been commissioned by Ace of Hearts Investments Ltd to undertake Water Efficiency Calculations to discharge condition 7 of a Section 106 Legal Agreement dated 26th May 2021.

The development description is as follows:

Excavation of basement including new front bay window and front garden area. Erection of single storey rear extension and green roof above, installation of two rooflights to front roof slope and replacement dormer window to rear roof slope in the creation of one additional residential unit. Erection of bin and bike store to rear.

2.2 Scope and Objectives

- 2.2.1 The calculations seek to establish Water Efficiency Calculations at the proposed development and identify whether these Water Efficiency Calculations meet the requirements of criteria indicated in Condition 7.

Condition 7

7. Prior to commencement, full details to demonstrate the proposed internal water efficiency and/or water recycling equipment, to ensure that the development will pose no additional strain on adjoining sites or the existing drainage infrastructure (and demonstrating an internal water consumption target of no more than 105 litres per person per day) should be submitted to the Local Planning Authority and approved in writing.

- 2.2.4 The Building Compliance Team Ltd has completed this report for the benefit of the individuals referred to in paragraph 1.1 and any relevant statutory authority which may require reference in relation to approvals for the proposed development. Other third parties should not use or rely upon the contents of this report unless explicit written approval has been gained from The Building Compliance Team Ltd.

- 3.2.5 The Building Compliance Team Ltd accepts no responsibility or liability for:

- a) The consequence of this documentation being used for any purpose or project other than that for which it was commissioned.
- b) The issue of this document to any third party with whom approval for use has not been agreed.



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0203 773 9222



info@thebuildingcompliance team.com



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3.0 Site Description

4.1 Site Description

4.1.1 Existing Site

The development site is situated in the ward of Fortune Green, within the Borough of Camden.

4.1.2 Development Proposals

The proposed development proposals, to be known as 1 Hillfield Road, London, NW6 1QD, comprises the excavation of basement including new front bay window and front garden area. The erection of single storey rear extension and green roof above, installation of two rooflights to front roof slope and replacement dormer window to rear roof slope in the creation of one additional residential unit and the erection of bin and bike store to rear.

The current proposed layout plan is provided in Appendix A.



The Building Compliance Team, 34 Bury Old Road, Manchester, M25 0FT



0203 773 9222



info@thebuildingcomplianceteam.com



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4.0 Performance Requirements

4.1 Planning Requirements

In order to comply with Condition 7 of the section 106 Legal agreement, the proposed development must not exceed a water efficiency standard of 105 litres per person per day.

5.0 Water Efficiency Calculation

Table A: Water Calculation for Flats A-D

The results are contingent upon the follow:

| Fixture/Fitting | Water Usage |
|-------------------------------|--|
| Bathroom Taps | Average flow rate of 8 litres per minute or less |
| Kitchen Tap | Average flow rate of 8 litres per minute or less |
| WCs | Full flush volume of 4 litres, part flush volume of 2 litres |
| Showers | Average flow rate of 8 litres per minute or less |
| Baths | Capacity of 120 litres to overflow (or less) |
| Washing Machine (if supplied) | To use 8.17 litres per kg dry load (or less) |
| Dishwasher (if supplied) | To use 1.25 litres per place setting (or less) |

Table A: Contingent Requirements for Fixtures and Fittings

Inline flow limiters should be fitted to the pipe work where the fittings do not achieve the above flow rates.

Compliance with Part G and condition 7 has been met. Please refer to the accompanying calculation sheet in Appendix B for full details.

6.0 Conclusion

Based on the calculations and assessments made within this report it is the professional opinion of The Building Compliance Team Ltd that compliance in respect to Water Efficiency as per condition 7 of the section 106 Legal Agreement and Approved Document G can be met at the proposed development.



The Building Compliance Team, 34 Bury Old Road, Manchester, M25 0FT



0203 773 9222

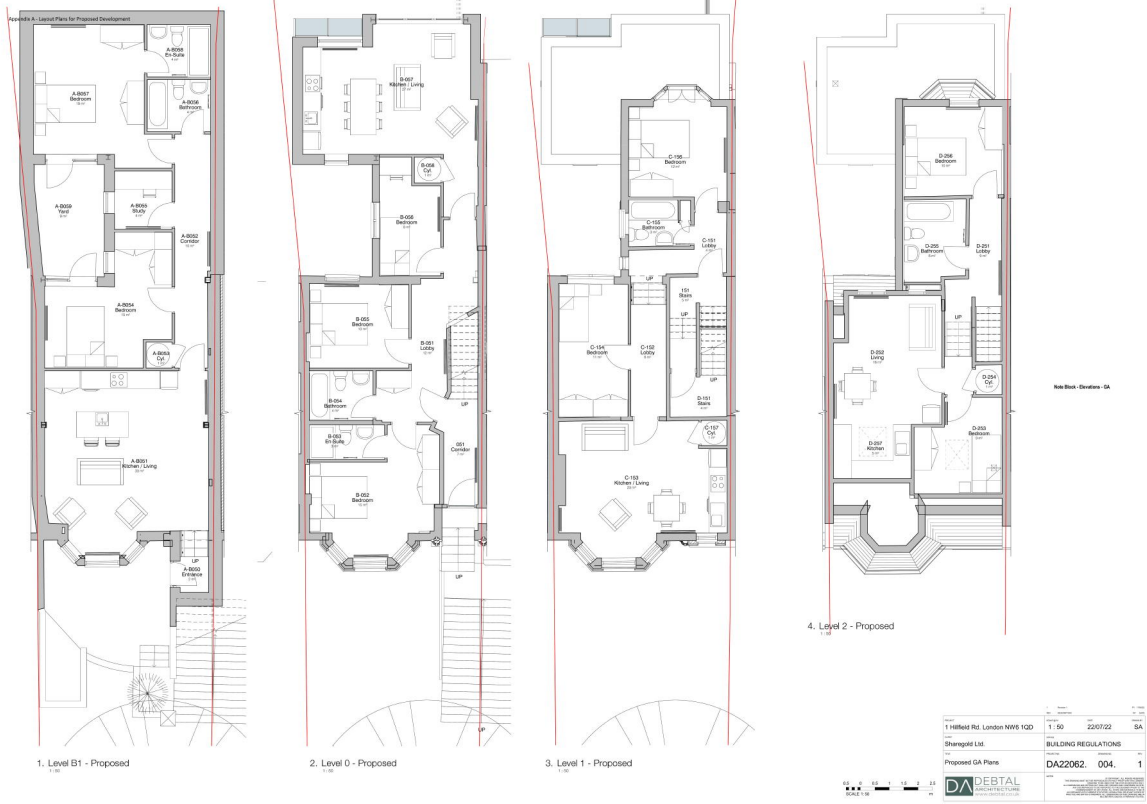


info@thebuildingcomplianceteam.com



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Appendix A - Layout Plans for Proposed Development



Part G Compliance Report

PROJECT DETAILS

Project Reference: TBCT/22/11/DA/HR
Client: Sharegold Ltd
Property: Flat A
1 Hillfield Rd
London NW6 1QD

Local Authority: Camden
Agent: TBCT

Assessor: Aharon Horwich
Address: 34 Bury Old Road
Contact: 0203 773 9222
Software: G-Calc 2015 version 3.0.2
Prepared on: 18-Nov-22

RESULT SUMMARY

By following the Government's national calculation methodology for assessing water efficiency in new dwellings this 2 bed dwelling, as designed, achieves a water consumption of 104.8 litres per person per day.

Compliance with Building Regulation 36(1) has been demonstrated.

| Table 1: The Water Calculator for New Dwellings | | | | | |
|---|---------------------------------------|-------|------------|-----------|-------------------|
| Installation Type | Unit of measure | Value | Use factor | Fixed use | litres/person/day |
| WC(single flush) | Flush volume (litres) | 0 | 4.42 | 0.00 | 0 |
| WC(dual flush) | Full flush vol. | 0 | 1.46 | 0.00 | 0 |
| | Part flush vol. | 0 | 2.96 | 0.00 | 0 |
| WC(multiple fittings) | Average effective Flush vol. (litres) | 2.66 | 4.42 | 0.00 | 11.76 |
| Taps(excl. Kitchen) | Flow rate (litres/min) | 8 | 1.58 | 1.58 | 14.22 |
| Bath (shower also present) | Capacity to overflow (litres) | 120 | 0.11 | 0.00 | 13.2 |
| Shower (bath also present) | Flow rate (litres/min) | 8 | 4.37 | 0.00 | 34.96 |
| Bath only | Capacity to overflow (litres) | | 0.50 | 0.00 | 0 |
| Shower only | Flow rate (litres/minute) | | 5.6 | 0.00 | 0 |
| Kitchen sink taps | Flow rate (litres/minute) | 8 | 0.44 | 10.36 | 13.88 |
| Washing Machine | litres/kg dry load | 8.17 | 2.1 | 0.0 | 17.16 |
| Dishwasher | litres/place setting | 1.25 | 3.6 | 0.0 | 4.5 |
| Waste disposal | litres/use | 0 | 3.08 | 0.0 | 0 |
| Water softener | litres/person/day | 0 | 1.0 | 0.0 | 0 |
| Total calculated use (litres/person/day) | | | | | 109.68 |
| Contribution from greywater (litres/person/day) | | | | | - |
| Contribution from rainwater (litres/person/day) | | | | | - |
| Normalisation factor | | | | | 0.91 |
| Total Water Consumption. Code for Sustainable Homes (litres/person/day) | | | | | 99.8 |
| External water use | | | | | 5.0 |
| Total Water Consumption. (36(1)) (litres/person/day) | | | | | 104.8 |

Table 2: Consumption Calculator for multiple fittings for New Dwellings**2.1: Taps (excluding kitchen sink taps)**

| | Flow Rate (l/min) | Quantity (No.) | Total per fitting type |
|---|-------------------|----------------|------------------------|
| 1 Family Bathroom | 8 | 1 | 8 |
| 2 Ensuite | 8 | 1 | 8 |
| 3 | | | |
| 4 | | | |
| Total (Sum of all Quantities) | | 2 | |
| Total (Sum of all totals per fitting type) | | | 16 |
| Average Flow Rate (l/min) | | | 8 |
| Maximum Flow Rate (l/min) | | | 8 |
| Proportionate flow Rate (l/min) | | | 5.6 |

Table 2: Consumption Calculator for multiple fittings for New Dwellings**2.2: Baths**

| | Capacity (litres) | Quantity (No.) | Total per fitting type |
|---|-------------------|----------------|------------------------|
| 1 Family Bathroom | 120 | 1 | 120 |
| 2 Ensuite | 120 | 1 | 120 |
| 3 | | | |
| 4 | | | |
| Total (Sum of all Quantities) | | 2 | |
| Total (Sum of all totals per fitting type) | | | 240 |
| Average Capacity to overflow (litres) | | | 120 |
| Maximum Capacity to overflow (litres) | | | 120 |
| Proportionate capacity to overflow (litres) | | | 84 |

Table 2: Consumption Calculator for multiple fittings for New Dwellings**2.6: Showers**

| Shower Type | Flow rate (l/min) | Quantity (No.) | Total per fitting type |
|---|-------------------|----------------|------------------------|
| 1 Over Bath | 8 | 1 | 8 |
| 2 Over Ensuite Bath | 8 | 1 | 8 |
| 3 | | | |
| 4 | | | |
| Total (Sum of all Quantities) | | 2 | |
| Total (Sum of all totals per fitting type) | | | 16 |
| Average Flow rate (l/min) | | | 8 |
| Maximum Flow rate (l/min) | | | 8 |
| Proportionate flow rate (l/min) | | | 5.6 |

| Table 2: Consumption Calculator for multiple fittings for New Dwellings | | | |
|--|------------------------------------|----------------|------------------------|
| 2.7: WC's | | | |
| WC Type | Effective flushing volume (litres) | Quantity (No.) | Total per fitting type |
| 1 Family Bathroom | 2.66 | 1 | 2.66 |
| 2 Ensuite | 2.66 | 1 | 2.66 |
| 3 | | | |
| 4 | | | |
| Total (Sum of all Quantities) | | 2 | |
| Total (Sum of all totals per fitting type) | | | 5.32 |
| Average effective flushing volume (litres) | | | 2.66 |

| Summary of fitting types "As Designed" | | | |
|---|-------------------|--------------------------|-----|
| Type | Description | Flow rates, volumes etc. | Qty |
| Taps | Family Bathroom | 8 litres/min | 1 |
| | Ensuite | 8 litres/min | 1 |
| Baths | Family Bathroom | 120 litres to overflow | 1 |
| | Ensuite | 120 litres to overflow | 1 |
| Dishwashers | | 1.25 litres/place | 1 |
| Washing Machines | A++ | 8.17 litres/kg | 1 |
| Showers | Over Bath | 8 litres/min | 1 |
| | Over Ensuite Bath | 8 litres/min | 1 |
| WC's | Family Bathroom | 4 / 2 litres flush vols. | 1 |
| | Ensuite | 4 / 2 litres flush vols. | 1 |
| Kitchen/Utility taps | Kitchen Mixer | 8 litres/min | 1 |

The lower section of this table is to be filled in by the builder prior to completion. The descriptions, values and quantities should represent the 'as built' specification. Please note the values above represent design values and should not be exceeded without prior consultation with the agent/designer (TBCT).
The completed table should be returned to the assessor: Aharon Horwich (Contact: 0203 773 9222).

| Declaration of fitting types "As Built" | | | |
|--|----------------|--------------------------|-----|
| Type | Make and Model | Flow rates, volumes etc. | Qty |
| Taps | | | |
| | | | |
| Baths | | | |
| | | | |
| Dishwashers | | | |
| Washing Machines | | | |
| Showers | | | |
| | | | |
| WC's | | | |
| | | | |
| Kitchen/Utility taps | | | |

Project ref: TBCT/22/11/DA/HR - Flat A

The above declaration of fittings, values and quantities is a true reflection of those installed on this project.

Name: Signature: Date:

-----End of Report-----

Part G Compliance Report

PROJECT DETAILS

Project Reference: TBCT/22/11/DA/HR
Client: Sharegold Ltd
Property: Flat B
1 Hillfield Rd
London NW6 1QD

Local Authority: Camden
Agent: TBCT

Assessor: Aharon Horwich
Address: 34 Bury Old Road
Contact: 0203 773 9222
Software: G-Calc 2015 version 3.0.2
Prepared on: 18-Nov-22

RESULT SUMMARY

By following the Government's national calculation methodology for assessing water efficiency in new dwellings this 3 bed dwelling, as designed, achieves a water consumption of 104.8 litres per person per day.

Compliance with Building Regulation 36(1) has been demonstrated.

| Table 1: The Water Calculator for New Dwellings | | | | | |
|---|---------------------------------------|-------|------------|-----------|-------------------|
| Installation Type | Unit of measure | Value | Use factor | Fixed use | litres/person/day |
| WC(single flush) | Flush volume (litres) | 0 | 4.42 | 0.00 | 0 |
| WC(dual flush) | Full flush vol. | 0 | 1.46 | 0.00 | 0 |
| | Part flush vol. | 0 | 2.96 | 0.00 | 0 |
| WC(multiple fittings) | Average effective Flush vol. (litres) | 2.66 | 4.42 | 0.00 | 11.76 |
| Taps(excl. Kitchen) | Flow rate (litres/min) | 8 | 1.58 | 1.58 | 14.22 |
| Bath (shower also present) | Capacity to overflow (litres) | 120 | 0.11 | 0.00 | 13.2 |
| Shower (bath also present) | Flow rate (litres/min) | 8 | 4.37 | 0.00 | 34.96 |
| Bath only | Capacity to overflow (litres) | | 0.50 | 0.00 | 0 |
| Shower only | Flow rate (litres/minute) | | 5.6 | 0.00 | 0 |
| Kitchen sink taps | Flow rate (litres/minute) | 8 | 0.44 | 10.36 | 13.88 |
| Washing Machine | litres/kg dry load | 8.17 | 2.1 | 0.0 | 17.16 |
| Dishwasher | litres/place setting | 1.25 | 3.6 | 0.0 | 4.5 |
| Waste disposal | litres/use | 0 | 3.08 | 0.0 | 0 |
| Water softener | litres/person/day | 0 | 1.0 | 0.0 | 0 |
| Total calculated use (litres/person/day) | | | | | 109.68 |
| Contribution from greywater (litres/person/day) | | | | | - |
| Contribution from rainwater (litres/person/day) | | | | | - |
| Normalisation factor | | | | | 0.91 |
| Total Water Consumption. Code for Sustainable Homes (litres/person/day) | | | | | 99.8 |
| External water use | | | | | 5.0 |
| Total Water Consumption. (36(1)) (litres/person/day) | | | | | 104.8 |

Table 2: Consumption Calculator for multiple fittings for New Dwellings**2.1: Taps (excluding kitchen sink taps)**

| | Flow Rate (l/min) | Quantity (No.) | Total per fitting type |
|---|-------------------|----------------|------------------------|
| 1 Family Bathroom | 8 | 1 | 8 |
| 2 Ensuite | 8 | 1 | 8 |
| 3 | | | |
| 4 | | | |
| Total (Sum of all Quantities) | | 2 | |
| Total (Sum of all totals per fitting type) | | | 16 |
| Average Flow Rate (l/min) | | | 8 |
| Maximum Flow Rate (l/min) | | | 8 |
| Proportionate flow Rate (l/min) | | | 5.6 |

Table 2: Consumption Calculator for multiple fittings for New Dwellings**2.6: Showers**

| Shower Type | Flow rate (l/min) | Quantity (No.) | Total per fitting type |
|---|-------------------|----------------|------------------------|
| 1 Over Bath | 8 | 1 | 8 |
| 2 Ensuite | 8 | 1 | 8 |
| 3 | | | |
| 4 | | | |
| Total (Sum of all Quantities) | | 2 | |
| Total (Sum of all totals per fitting type) | | | 16 |
| Average Flow rate (l/min) | | | 8 |
| Maximum Flow rate (l/min) | | | 8 |
| Proportionate flow rate (l/min) | | | 5.6 |

Table 2: Consumption Calculator for multiple fittings for New Dwellings**2.7: WC's**

| WC Type | Effective flushing volume (litres) | Quantity (No.) | Total per fitting type |
|---|------------------------------------|----------------|------------------------|
| 1 Family Bathroom | 2.66 | 1 | 2.66 |
| 2 Ensuite | 2.66 | 1 | 2.66 |
| 3 | | | |
| 4 | | | |
| Total (Sum of all Quantities) | | 2 | |
| Total (Sum of all totals per fitting type) | | | 5.32 |
| Average effective flushing volume (litres) | | | 2.66 |

| Summary of fitting types "As Designed" | | | |
|---|-----------------|--------------------------|-----|
| Type | Description | Flow rates, volumes etc. | Qty |
| Taps | Family Bathroom | 8 litres/min | 1 |
| | Ensuite | 8 litres/min | 1 |
| Baths | Family Bathroom | 120 litres to overflow | 1 |
| Dishwashers | | 1.25 litres/place | 1 |
| Washing Machines | A++ | 8.17 litres/kg | 1 |
| Showers | Over Bath | 8 litres/min | 1 |
| | Ensuite | 8 litres/min | 1 |
| WC's | Family Bathroom | 4 / 2 litres flush vols. | 1 |
| | Ensuite | 4 / 2 litres flush vols. | 1 |
| Kitchen/Utility taps | Kitchen Mixer | 8 litres/min | 1 |

The lower section of this table is to be filled in by the builder prior to completion. The descriptions, values and quantities should represent the 'as built' specification. Please note the values above represent design values and should not be exceeded without prior consultation with the agent/designer (TBCT).
The completed table should be returned to the assessor: Aharon Horwich (Contact: 0203 773 9222).

| Declaration of fitting types "As Built" | | | |
|--|----------------|--------------------------|-----|
| Type | Make and Model | Flow rates, volumes etc. | Qty |
| Taps | | | |
| | | | |
| Baths | | | |
| Dishwashers | | | |
| Washing Machines | | | |
| Showers | | | |
| | | | |
| WC's | | | |
| | | | |
| Kitchen/Utility taps | | | |

Project ref: TBCT/22/11/DA/HR - Flat B

The above declaration of fittings, values and quantities is a true reflection of those installed on this project.

Name: Signature: Date:

-----End of Report-----

Part G Compliance Report

PROJECT DETAILS

Project Reference: TBCT/22/11/DA/HR
Client: Sharegold Ltd
Property: Flat C
1 Hillfield Rd
London NW6 1QD

Local Authority: Camden
Agent: TBCT

Assessor: Aharon Horwich
Address: 34 Bury Old Road
Contact: 0203 773 9222
Software: G-Calc 2015 version 3.0.2
Prepared on: 18-Nov-22

RESULT SUMMARY

By following the Government's national calculation methodology for assessing water efficiency in new dwellings this 2 bed dwelling, as designed, achieves a water consumption of 104.8 litres per person per day.

Compliance with Building Regulation 36(1) has been demonstrated.

| Table 1: The Water Calculator for New Dwellings | | | | | |
|---|---------------------------------------|-------|------------|-----------|-------------------|
| Installation Type | Unit of measure | Value | Use factor | Fixed use | litres/person/day |
| WC(single flush) | Flush volume (litres) | | 4.42 | 0.00 | 0 |
| WC(dual flush) | Full flush vol. | 4 | 1.46 | 0.00 | 5.84 |
| | Part flush vol. | 2 | 2.96 | 0.00 | 5.92 |
| WC(multiple fittings) | Average effective Flush vol. (litres) | 0 | 4.42 | 0.00 | 0 |
| Taps(excl. Kitchen) | Flow rate (litres/min) | 8 | 1.58 | 1.58 | 14.22 |
| Bath (shower also present) | Capacity to overflow (litres) | 120 | 0.11 | 0.00 | 13.2 |
| Shower (bath also present) | Flow rate (litres/min) | 8 | 4.37 | 0.00 | 34.96 |
| Bath only | Capacity to overflow (litres) | | 0.50 | 0.00 | 0 |
| Shower only | Flow rate (litres/minute) | | 5.6 | 0.00 | 0 |
| Kitchen sink taps | Flow rate (litres/minute) | 8 | 0.44 | 10.36 | 13.88 |
| Washing Machine | litres/kg dry load | 8.17 | 2.1 | 0.0 | 17.16 |
| Dishwasher | litres/place setting | 1.25 | 3.6 | 0.0 | 4.5 |
| Waste disposal | litres/use | 0 | 3.08 | 0.0 | 0 |
| Water softener | litres/person/day | 0 | 1.0 | 0.0 | 0 |
| Total calculated use (litres/person/day) | | | | | 109.68 |
| Contribution from greywater (litres/person/day) | | | | | - |
| Contribution from rainwater (litres/person/day) | | | | | - |
| Normalisation factor | | | | | 0.91 |
| Total Water Consumption. Code for Sustainable Homes (litres/person/day) | | | | | 99.8 |
| External water use | | | | | 5.0 |
| Total Water Consumption. (36(1)) (litres/person/day) | | | | | 104.8 |

| Summary of fitting types "As Designed" | | | |
|---|-----------------|--------------------------|-----|
| Type | Description | Flow rates, volumes etc. | Qty |
| Taps | Family Bathroom | 8 litres/min | 1 |
| Baths | Family Bathroom | 120 litres to overflow | 1 |
| Dishwashers | | 1.25 litres/place | 1 |
| Washing Machines | A+ + | 8.17 litres/kg | 1 |
| Showers | Over Bath | 8 litres/min | 1 |
| WC's | Bathroom WC | 4 / 2 litres flush vols. | 1 |
| | | / litres flush vols. | 1 |
| Kitchen/Utility taps | Kitchen Mixer | 8 litres/min | 1 |

The lower section of this table is to be filled in by the builder prior to completion. The descriptions, values and quantities should represent the 'as built' specification. Please note the values above represent design values and should not be exceeded without prior consultation with the agent/designer (TBCT).
The completed table should be returned to the assessor: Aharon Horwich (Contact: 0203 773 9222).

| Declaration of fitting types "As Built" | | | |
|--|----------------|--------------------------|-----|
| Type | Make and Model | Flow rates, volumes etc. | Qty |
| Taps | | | |
| Baths | | | |
| Dishwashers | | | |
| Washing Machines | | | |
| Showers | | | |
| WC's | | | |
| | | | |
| Kitchen/Utility taps | | | |

Project ref: TBCT/22/11/DA/HR - Flat C

The above declaration of fittings, values and quantities is a true reflection of those installed on this project.

Name: Signature: Date:

-----End of Report-----

Part G Compliance Report

PROJECT DETAILS

Project Reference: TBCT/22/11/DA/HR
Client: Sharegold Ltd
Property: Flat D
1 Hillfield Rd
London NW6 1QD

Local Authority: Camden
Agent: TBCT

Assessor: Aharon Horwich
Address: 34 Bury Old Road
Contact: 0203 773 9222
Software: G-Calc 2015 version 3.0.2
Prepared on: 18-Nov-22

RESULT SUMMARY

By following the Government's national calculation methodology for assessing water efficiency in new dwellings this 2 bed dwelling, as designed, achieves a water consumption of 104.8 litres per person per day.

Compliance with Building Regulation 36(1) has been demonstrated.

| Table 1: The Water Calculator for New Dwellings | | | | | |
|---|---------------------------------------|-------|------------|-----------|-------------------|
| Installation Type | Unit of measure | Value | Use factor | Fixed use | litres/person/day |
| WC(single flush) | Flush volume (litres) | | 4.42 | 0.00 | 0 |
| WC(dual flush) | Full flush vol. | 4 | 1.46 | 0.00 | 5.84 |
| | Part flush vol. | 2 | 2.96 | 0.00 | 5.92 |
| WC(multiple fittings) | Average effective Flush vol. (litres) | 0 | 4.42 | 0.00 | 0 |
| Taps(excl. Kitchen) | Flow rate (litres/min) | 8 | 1.58 | 1.58 | 14.22 |
| Bath (shower also present) | Capacity to overflow (litres) | 120 | 0.11 | 0.00 | 13.2 |
| Shower (bath also present) | Flow rate (litres/min) | 8 | 4.37 | 0.00 | 34.96 |
| Bath only | Capacity to overflow (litres) | | 0.50 | 0.00 | 0 |
| Shower only | Flow rate (litres/minute) | | 5.6 | 0.00 | 0 |
| Kitchen sink taps | Flow rate (litres/minute) | 8 | 0.44 | 10.36 | 13.88 |
| Washing Machine | litres/kg dry load | 8.17 | 2.1 | 0.0 | 17.16 |
| Dishwasher | litres/place setting | 1.25 | 3.6 | 0.0 | 4.5 |
| Waste disposal | litres/use | 0 | 3.08 | 0.0 | 0 |
| Water softener | litres/person/day | 0 | 1.0 | 0.0 | 0 |
| Total calculated use (litres/person/day) | | | | | 109.68 |
| Contribution from greywater (litres/person/day) | | | | | - |
| Contribution from rainwater (litres/person/day) | | | | | - |
| Normalisation factor | | | | | 0.91 |
| Total Water Consumption. Code for Sustainable Homes (litres/person/day) | | | | | 99.8 |
| External water use | | | | | 5.0 |
| Total Water Consumption. (36(1)) (litres/person/day) | | | | | 104.8 |

| Summary of fitting types "As Designed" | | | |
|---|-----------------|--------------------------|-----|
| Type | Description | Flow rates, volumes etc. | Qty |
| Taps | Family Bathroom | 8 litres/min | 1 |
| Baths | | 120 litres to overflow | 1 |
| Dishwashers | | 1.25 litres/place | 1 |
| Washing Machines | A++ | 8.17 litres/kg | 1 |
| Showers | | 8 litres/min | 1 |
| WC's | Bathroom WC | 4 / 2 litres flush vols. | 1 |
| | | / litres flush vols. | 1 |
| Kitchen/Utility taps | Kitchen Mixer | 8 litres/min | 1 |

The lower section of this table is to be filled in by the builder prior to completion. The descriptions, values and quantities should represent the 'as built' specification. Please note the values above represent design values and should not be exceeded without prior consultation with the agent/designer (TBCT).
The completed table should be returned to the assessor: Aharon Horwich (Contact: 0203 773 9222).

| Declaration of fitting types "As Built" | | | |
|--|----------------|--------------------------|-----|
| Type | Make and Model | Flow rates, volumes etc. | Qty |
| Taps | | | |
| Baths | | | |
| Dishwashers | | | |
| Washing Machines | | | |
| Showers | | | |
| WC's | | | |
| | | | |
| Kitchen/Utility taps | | | |

Project ref: TBCT/22/11/DA/HR - Flat D

The above declaration of fittings, values and quantities is a true reflection of those installed on this project.

Name: Signature: Date:

-----End of Report-----