

PART G COMPLIANCE REPORT

260 Coombe Lane,
London, UK, SW20 0RW

ISSUED ON JANUARY 2024



PART G COMPLIANCE

A. PROJECT DETAILS

Property : 260 Coombe Lanen, London SW20 0RW, UK (**FLAT 1**)
 Assessed by: Carlo Miguel O. Ordona
 Date Assessed : October 31, 2023
 Contact No: 02045153448
 Email: carlo.ordona@cosyhauz.com

B. TABLE AND CALCULATION

Table 1: Water Calculator for New Dwelling

Installation Type	Unit of Measure	(1) Capacity/ flow rate	(2) Use factor	(3) Fixed use	(4) Litres/person/day (1) x (2) + (3)
1.0 WC (single flush)	Flush volume (litres)	0	4.42	0	0
2.0 WC (Dual flush)	Full flush vol (litres)	0	1.46	0	0
	Part flush vol (litres)	0	2.96	0	0
3.0 WC (multiple fittings)	Average effective flushing volume (litres)	3.06	4.42	0.00	13.53
4.0 Taps (excl. Kitchen)	Flow wate (litres/min)	5.00	1.58	1.58	9.48
5.0 Bath (shower also present)	Capacity to overflow (litres)	170.00	0.11	0.00	18.70
6.0 Shower (Bath also present)	Flow rate (litres/min)	8.00	4.37	0.00	34.96
7.0 Bath only	Capacity to overflow (litres)	0.00	0.50	0.00	0.00
8.0 Shower only	Flow rate (litres/min)	0.00	5.60	0.00	0.00
9.0 Kitchen sink taps	Flow rate (litres/min)	6.00	0.44	10.36	13.00
10.0 Washing Machine	litres/kg dry load	8.17	2.10	0.00	17.16
11.0 Dishwasher	litres/place setting	1.25	3.60	0.00	4.50
12.0 Waste disposal	litres/use	0.00	3.08	0.00	0.00
13.0 Water softener	litres/person/day	0.00	1.00	0.00	0.00
(5) Total calculated use (litres/person/day)					111.32
(6) Contribution from greywater (litres/person/day)					0.00
(7) Contribution from rainwater (litres/person/day)					0.00
(8) Normalisation factor					0.91
(9) Total Water Consumption. Code for Sustainable Homes (litres/person/day)					101.30
(10) External water use					5
(11) Total Water Consumption. (36(1)) (litres/person/day)					106.3

Table 2. Maximum fittings consumption optional requirement level (As designed)

Water fitting	Maximum consumption	Qty
1.0 WC	4/2.6 liter dual flush	3
2.0 Bath (Shower also present)	170l	1
3.0 Shower (Bath also present)	8 l/min	2
4.0 Basin taps	5 l/min	3
5.0 Sink tapos	6 l/min	1
6.0 Dishwasher	1.25 l/place setting	1
7.0 Washing Machine	8.17 l/kg	1

Table 3. Consumption calculator for multiple baths (shower also present)

Tap fitting Type	(a) Flow Rate (l/min)	(b) Qty	(c) Total per fitting type
1.0 Bathroom	170	1	170
2.0			
3.0			
4.0			
(d)	Total (Sum of all totals per fitting type)	1	
(e)	Total (Sum of all totals per fitting type)		170
	Average Flow Rate (l/min)		170
(f)	Maximum Flow Rate (l/min)		6
	Proportionate flow Rate (l/min)		4.2

Table 4. Consumption calculator for multiple shower (baths also present)

WC type	(a) Flow Rate (l/min)	(b) Qty	(c) Total per fitting type
1.0 Ensuite	8	1	8
2.0 Shower	8	1	8
3.0			
4.0			
(d)	Total (Sum of all totals per fitting type)	2	
(e)	Total (Sum of all totals per fitting type)		16
	Average Flow Rate (l/min)		8
(f)	Maximum Flow Rate (l/min)		8
	Proportionate flow Rate (l/min)		5.6

Table 5. Consumption calculator for multiple basin taps (excluding kitchen sink taps)

Tap fitting Type	(a) Flow Rate (l/min)	(b) Qty	(c) Total per fitting type
1.0 Bathroom	5	1	5
2.0 Ensuite	5	1	5
3.0 GF WC	5	1	5
4.0			
(d)	Total (Sum of all totals per fitting type)	3	
(e)	Total (Sum of all totals per fitting type)		15
	Average Flow Rate (l/min)		5
(f)	Maximum Flow Rate (l/min)		6
	Proportionate flow Rate (l/min)		4.2

Table 6. Consumption calculator for multiple taps (kitchen/utility/room sink)

Tap fitting Type	(a) Flow Rate (liter)	(b) Qty	(c) Total per fitting type
1.0 Kitchen	6	1	6
2.0			
3.0			
4.0			
(d) Total (Sum of all totals per fitting type)		1	
(e) Total (Sum of all totals per fitting type)			6
	Average Flow Rate (l/min)		6
(f) Maximum Flow Rate (l/min)			6
	Proportionate flow Rate (l/min)		4.2

Table 7. Consumption calculator for multiple dishwasher

Tap fitting Type	(a) Flow Rate (liter)	(b) Qty	(c) Total per fitting type
1.0 Kitchen	1.25	1	1.25
2.0			
3.0			
4.0			
(d) Total (Sum of all totals per fitting type)		1	
(e) Total (Sum of all totals per fitting type)			1.25
	Average Flow Rate (l/min)		1.25
(f) Maximum Flow Rate (l/min)			6
	Proportionate flow Rate (l/min)		4.2

Table 8. Consumption calculator for multiple washing machine

Tap fitting Type	(a) Flow Rate (liter)	(b) Qty	(c) Total per fitting type
1.0 Kitchen	8.17	1	8.17
2.0			
3.0			
4.0			
(d) Total (Sum of all totals per fitting type)		1	
(e) Total (Sum of all totals per fitting type)			8.17
	Average Flow Rate (l/min)		8.17
(f) Maximum Flow Rate (l/min)			6
	Proportionate flow Rate (l/min)		4.2

Table 9. Consumption calculator for multiple WC

Tap fitting	(a) Flow Rate (l/min)	(b) Qty	(c) Total per fitting type
1.0 Bathroom	3.06	1	3.06
2.0 Ensuite	3.06	1	3.06
3.0 Shower	3.06	1	3.06
4.0			
(d)	Total (Sum of all totals per fitting type)	3	
(e)	Total (Sum of all totals per fitting type)		9.18
(f)	Average effective flushing volume		3.06

C. RESULT

By conducting the Government's national calculation methodology for assessing water efficiency in new 4 person 3 bedroom single storey flat with basement located at ground floor, as designed, achieves a water consumption of 106.3 litres per person per day.

Compliance with Building Regulation 36 (1) has been demonstrated using the tables and calculations indicated in Approved Document Part G Appendix A - Water Efficiency Calculator for New Dwelling.

Actions required:

The flow rates for taps and showers herein should be measured at a dynamic pressure of 3 ± 0.2 bar. In the case of gravity-fed water systems supplying taps and showers, the flow rates for those fittings should be measured at a dynamic pressure of 0.1 ± 0.02 bar (Note: evidence of this type of system must be provided for the "As Built" report).

PART G COMPLIANCE

A. PROJECT DETAILS

Property : 260 Coombe Lane, London SW20 0RW, UK (**FLAT 2**)
 Assessed by: Carlo Miguel O. Ordon
 Date Assessed : October 31, 2023
 Contact No: 02045153448
 Email: carlo.ordona@cosyhauz.com

B. TABLE AND CALCULATION

Table 1: Water Calculator for New Dwelling

Installation Type	Unit of Measure	(1) Capacity/ flow rate	(2) Use factor	(3) Fixed use	(4) Litres/person/day (1) x (2) + (3)
1.0 WC (single flush)	Flush volume (litres)	0	4.42	0	0
2.0 WC (Dual flush)	Full flush vol (litres)	0	1.46	0	0
	Part flush vol (litres)	0	2.96	0	0
3.0 WC (multiple fittings)	Average effective flushing volume (litres)	3.06	4.42	0.00	13.53
4.0 Taps (excl. Kitchen)	Flow wate (litres/min)	5.00	1.58	1.58	9.48
5.0 Bath (shower also present)	Capacity to overflow (litres)	170.00	0.11	0.00	18.70
6.0 Shower (Bath also present)	Flow rate (litres/min)	8.00	4.37	0.00	34.96
7.0 Bath only	Capacity to overflow (litres)	0.00	0.50	0.00	0.00
8.0 Shower only	Flow rate (litres/min)	0.00	5.60	0.00	0.00
9.0 Kitchen sink taps	Flow rate (litres/min)	6.00	0.44	10.36	13.00
10.0 Washing Machine	litres/kg dry load	8.17	2.10	0.00	17.16
11.0 Dishwasher	litres/place setting	1.25	3.60	0.00	4.50
12.0 Waste disposal	litres/use	0.00	3.08	0.00	0.00
13.0 Water softener	litres/person/day	0.00	1.00	0.00	0.00
(5) Total calculated use (litres/person/day)					111.32
(6) Contribution from greywater (litres/person/day)					0.00
(7) Contribution from rainwater (litres/person/day)					0.00
(8) Normalisation factor					0.91
(9) Total Water Consumption. Code for Sustainable Homes (litres/person/day)					101.30
(10) External water use					5
(11) Total Water Consumption. (36(1)) (litres/person/day)					106.3

Table 2. Maximum fittings consumption optional requirement level (As designed)

Water fitting	Maximum consumption	Qty
1.0 WC	4/2.6 liter dual flush	2
2.0 Bath (Shower also present)	170l	1
3.0 Shower (Bath also present)	8 l/min	1
4.0 Basin taps	5 l/min	2
5.0 Sink tapos	6 l/min	1
6.0 Dishwasher	1.25 l/place setting	1
7.0 Washing Machine	8.17 l/kg	1

Table 3. Consumption calculator for multiple baths (shower also present)

Tap fitting Type	(a) Flow Rate (l/min)	(b) Qty	(c) Total per fitting type
1.0 Bathroom	170	1	170
2.0			
3.0			
4.0			
(d)	Total (Sum of all totals per fitting type)	1	
(e)	Total (Sum of all totals per fitting type)		170
	Average Flow Rate (l/min)		170
(f)	Maximum Flow Rate (l/min)		6
	Proportionate flow Rate (l/min)		4.2

Table 4. Consumption calculator for multiple shower (baths also present)

WC type	(a) Flow Rate (l/min)	(b) Qty	(c) Total per fitting type
1.0 Ensuite	8	1	8
2.0			
3.0			
4.0			
(d)	Total (Sum of all totals per fitting type)	1	
(e)	Total (Sum of all totals per fitting type)		8
	Average Flow Rate (l/min)		8
(f)	Maximum Flow Rate (l/min)		8
	Proportionate flow Rate (l/min)		5.6

Table 3. Consumption calculator for multiple basin taps (excluding kitchen sink taps)

Tap fitting Type	(a) Flow Rate (l/min)	(b) Qty	(c) Total per fitting type
1.0 Bathroom	5	1	5
2.0 Ensuite	5	1	5
3.0			
4.0			
(d)	Total (Sum of all totals per fitting type)	2	
(e)	Total (Sum of all totals per fitting type)		10
	Average Flow Rate (l/min)		5
(f)	Maximum Flow Rate (l/min)		6
	Proportionate flow Rate (l/min)		4.2

Table 3. Consumption calculator for multiple taps (kitchen/utility/room sink)

Tap fitting Type	(a) Flow Rate (liter)	(b) Qty	(c) Total per fitting type
1.0 Kitchen	6	1	6
2.0			
3.0			
4.0			
(d)	Total (Sum of all totals per fitting type)	1	
(e)	Total (Sum of all totals per fitting type)		6
	Average Flow Rate (l/min)		6
(f)	Maximum Flow Rate (l/min)		6
	Proportionate flow Rate (l/min)		4.2

Table 3. Consumption calculator for multiple dishwasher

Tap fitting Type	(a) Flow Rate (liter)	(b) Qty	(c) Total per fitting type
1.0 Kitchen	1.25	1	1.25
2.0			
3.0			
4.0			
(d)	Total (Sum of all totals per fitting type)	1	
(e)	Total (Sum of all totals per fitting type)		1.25
	Average Flow Rate (l/min)		1.25
(f)	Maximum Flow Rate (l/min)		6
	Proportionate flow Rate (l/min)		4.2

Table 3. Consumption calculator for multiple washing machine

Tap fitting Type	(a) Flow Rate (liter)	(b) Qty	(c) Total per fitting type
1.0 Kitchen	8.17	1	8.17
2.0			
3.0			
4.0			
(d)	Total (Sum of all totals per fitting type)	1	
(e)	Total (Sum of all totals per fitting type)		8.17
	Average Flow Rate (l/min)		8.17
(f)	Maximum Flow Rate (l/min)		6
	Proportionate flow Rate (l/min)		4.2

Table 5. Consumption calculator for multiple WC

Tap fitting	(a) Flow Rate (l/min)	(b) Qty	(c) Total per fitting type
1.0 Bathroom	3.06	1	3.06
2.0 Ensuite	3.06	1	3.06
3.0			
4.0			
(d)	Total (Sum of all totals per fitting type)	2	
(e)	Total (Sum of all totals per fitting type)		6.12
(f)	Average effective flushing volume		3.06

C. RESULT

By conducting the Government's national calculation methodology for assessing water efficiency in new 3 person 2 bedroom single storey flat located at ground floor, as designed, achieves a water consumption of 106.3 litres per person per day.

Compliance with Building Regulation 36 (1) has been demonstrated using the tables and calculations indicated in Approved Document Part G Appendix A - Water Efficiency Calculator for New Dwelling.

Actions required:

The flow rates for taps and showers herein should be measured at a dynamic pressure of 3 ± 0.2 bar. In the case of gravity-fed water systems supplying taps and showers, the flow rates for those fittings should be measured at a dynamic pressure of 0.1 ± 0.02 bar (Note: evidence of this type of system must be provided for the "As Built" report).

PART G COMPLIANCE

A. PROJECT DETAILS

Property : 260 Coombe Lane, London SW20 0RW, UK **(FLAT 3)**
 Assessed by: Carlo Miguel O. Ordon
 Date Assessed : October 31, 2023
 Contact No: 02045153448
 Email: carlo.ordona@cosyhauz.com

B. TABLE AND CALCULATION

Table 1: Water Calculator for New Dwelling

Installation Type	Unit of Measure	(1) Capacity/ flow rate	(2) Use factor	(3) Fixed use	(4) Litres/person/day (1) x (2) + (3)
1.0 WC (single flush)	Flush volume (litres)	0	4.42	0	0
2.0 WC (Dual flush)	Full flush vol (litres)	0	1.46	0	0
	Part flush vol (litres)	0	2.96	0	0
3.0 WC (multiple fittings)	Average effective flushing volume (litres)	3.06	4.42	0.00	13.53
4.0 Taps (excl. Kitchen)	Flow wate (litres/min)	5.00	1.58	1.58	9.48
5.0 Bath (shower also present)	Capacity to overflow (litres)	170.00	0.11	0.00	18.70
6.0 Shower (Bath also present)	Flow rate (litres/min)	8.00	4.37	0.00	34.96
7.0 Bath only	Capacity to overflow (litres)	0.00	0.50	0.00	0.00
8.0 Shower only	Flow rate (litres/min)	0.00	5.60	0.00	0.00
9.0 Kitchen sink taps	Flow rate (litres/min)	6.00	0.44	10.36	13.00
10.0 Washing Machine	litres/kg dry load	8.17	2.10	0.00	17.16
11.0 Dishwasher	litres/place setting	1.25	3.60	0.00	4.50
12.0 Waste disposal	litres/use	0.00	3.08	0.00	0.00
13.0 Water softener	litres/person/day	0.00	1.00	0.00	0.00
(5) Total calculated use (litres/person/day)					111.32
(6) Contribution from greywater (litres/person/day)					0.00
(7) Contribution from rainwater (litres/person/day)					0.00
(8) Normalisation factor					0.91
(9) Total Water Consumption. Code for Sustainable Homes (litres/person/day)					101.30
(10) External water use					5
(11) Total Water Consumption. (36(1)) (litres/person/day)					106.3

Table 2. Maximum fittings consumption optional requirement level (As designed)

Water fitting	Maximum consumption	Qty
1.0 WC	4/2.6 liter dual flush	2
2.0 Bath (Shower also present)	170l	1
3.0 Shower (Bath also present)	8 l/min	1
4.0 Basin taps	5 l/min	2
5.0 Sink tapos	6 l/min	1
6.0 Dishwasher	1.25 l/place setting	1
7.0 Washing Machine	8.17 l/kg	1

Table 3. Consumption calculator for multiple baths (shower also present)

Tap fitting Type	(a) Flow Rate (l/min)	(b) Qty	(c) Total per fitting type
1.0 Bathroom	170	1	170
2.0			
3.0			
4.0			
(d)	Total (Sum of all totals per fitting type)	1	
(e)	Total (Sum of all totals per fitting type)		170
	Average Flow Rate (l/min)		170
(f)	Maximum Flow Rate (l/min)		6
	Proportionate flow Rate (l/min)		4.2

Table 4. Consumption calculator for multiple shower (baths also present)

WC type	(a) Flow Rate (l/min)	(b) Qty	(c) Total per fitting type
1.0 Ensuite	8	1	8
2.0			
3.0			
4.0			
(d)	Total (Sum of all totals per fitting type)	1	
(e)	Total (Sum of all totals per fitting type)		8
	Average Flow Rate (l/min)		8
(f)	Maximum Flow Rate (l/min)		8
	Proportionate flow Rate (l/min)		5.6

Table 3. Consumption calculator for multiple basin taps (excluding kitchen sink taps)

Tap fitting Type	(a) Flow Rate (l/min)	(b) Qty	(c) Total per fitting type
1.0 Bathroom	5	1	5
2.0 Ensuite	5	1	5
3.0			
4.0			
(d)	Total (Sum of all totals per fitting type)	2	
(e)	Total (Sum of all totals per fitting type)		10
	Average Flow Rate (l/min)		5
(f)	Maximum Flow Rate (l/min)		6
	Proportionate flow Rate (l/min)		4.2

Table 3. Consumption calculator for multiple taps (kitchen/utility/room sink)

Tap fitting Type	(a) Flow Rate (liter)	(b) Qty	(c) Total per fitting type
1.0 Kitchen	6	1	6
2.0			
3.0			
4.0			
(d)	Total (Sum of all totals per fitting type)	1	
(e)	Total (Sum of all totals per fitting type)		6
	Average Flow Rate (l/min)		6
(f)	Maximum Flow Rate (l/min)		6
	Proportionate flow Rate (l/min)		4.2

Table 3. Consumption calculator for multiple dishwasher

Tap fitting Type	(a) Flow Rate (liter)	(b) Qty	(c) Total per fitting type
1.0 Kitchen	1.25	1	1.25
2.0			
3.0			
4.0			
(d)	Total (Sum of all totals per fitting type)	1	
(e)	Total (Sum of all totals per fitting type)		1.25
	Average Flow Rate (l/min)		1.25
(f)	Maximum Flow Rate (l/min)		6
	Proportionate flow Rate (l/min)		4.2

Table 3. Consumption calculator for multiple washing machine

Tap fitting Type	(a) Flow Rate (liter)	(b) Qty	(c) Total per fitting type
1.0 Kitchen	8.17	1	8.17
2.0			
3.0			
4.0			
(d)	Total (Sum of all totals per fitting type)	1	
(e)	Total (Sum of all totals per fitting type)		8.17
	Average Flow Rate (l/min)		8.17
(f)	Maximum Flow Rate (l/min)		6
	Proportionate flow Rate (l/min)		4.2

Table 5. Consumption calculator for multiple WC

Tap fitting	(a) Flow Rate (l/min)	(b) Qty	(c) Total per fitting type
1.0 Bathroom	3.06	1	3.06
2.0 Ensuite	3.06	1	3.06
3.0			
4.0			
(d)	Total (Sum of all totals per fitting type)	2	
(e)	Total (Sum of all totals per fitting type)		6.12
(f)	Average effective flushing volume		3.06

C. RESULT

By conducting the Government's national calculation methodology for assessing water efficiency in new 3 person 2 bedroom single storey flat located at basement, as designed, achieves a water consumption of 106.3 litres per person per day.

Compliance with Building Regulation 36 (1) has been demonstrated using the tables and calculations indicated in Approved Document Part G Appendix A - Water Efficiency Calculator for New Dwelling.

Actions required:

The flow rates for taps and showers herein should be measured at a dynamic pressure of 3 ± 0.2 bar. In the case of gravity-fed water systems supplying taps and showers, the flow rates for those fittings should be measured at a dynamic pressure of 0.1 ± 0.02 bar (Note: evidence of this type of system must be provided for the "As Built" report).

PART G COMPLIANCE

A. PROJECT DETAILS

Property : 260 Coombe Lane, London SW20 0RW, UK **(FLAT 4)**
 Assessed by: Carlo Miguel O. Ordon
 Date Assessed : October 31, 2023
 Contact No: 02045153448
 Email: carlo.ordona@cosyhauz.com

B. TABLE AND CALCULATION

Table 1: Water Calculator for New Dwelling

Installation Type	Unit of Measure	(1) Capacity/ flow rate	(2) Use factor	(3) Fixed use	(4) Litres/person/day (1) x (2) + (3)
1.0 WC (single flush)	Flush volume (litres)	0	4.42	0	0
2.0 WC (Dual flush)	Full flush vol (litres)	0	1.46	0	0
	Part flush vol (litres)	0	2.96	0	0
3.0 WC (multiple fittings)	Average effective flushing volume (litres)	3.06	4.42	0.00	13.53
4.0 Taps (excl. Kitchen)	Flow wate (litres/min)	5.00	1.58	1.58	9.48
5.0 Bath (shower also present)	Capacity to overflow (litres)	170.00	0.11	0.00	18.70
6.0 Shower (Bath also present)	Flow rate (litres/min)	8.00	4.37	0.00	34.96
7.0 Bath only	Capacity to overflow (litres)	0.00	0.50	0.00	0.00
8.0 Shower only	Flow rate (litres/min)	0.00	5.60	0.00	0.00
9.0 Kitchen sink taps	Flow rate (litres/min)	6.00	0.44	10.36	13.00
10.0 Washing Machine	litres/kg dry load	8.17	2.10	0.00	17.16
11.0 Dishwasher	litres/place setting	1.25	3.60	0.00	4.50
12.0 Waste disposal	litres/use	0.00	3.08	0.00	0.00
13.0 Water softener	litres/person/day	0.00	1.00	0.00	0.00
(5) Total calculated use (litres/person/day)					111.32
(6) Contribution from greywater (litres/person/day)					0.00
(7) Contribution from rainwater (litres/person/day)					0.00
(8) Normalisation factor					0.91
(9) Total Water Consumption. Code for Sustainable Homes (litres/person/day)					101.30
(10) External water use					5
(11) Total Water Consumption. (36(1)) (litres/person/day)					106.3

Table 2. Maximum fittings consumption optional requirement level (As designed)

Water fitting	Maximum consumption	Qty
1.0 WC	4/2.6 liter dual flush	1
2.0 Bath (Shower also present)	170l	1
3.0 Shower (Bath also present)	8 l/min	0
4.0 Basin taps	5 l/min	1
5.0 Sink tapos	6 l/min	1
6.0 Dishwasher	1.25 l/place setting	1
7.0 Washing Machine	8.17 l/kg	1

Table 3. Consumption calculator for multiple baths (shower also present)

Tap fitting Type	(a) Flow Rate (l/min)	(b) Qty	(c) Total per fitting type
1.0 Bathroom	170	1	170
2.0			
3.0			
4.0			
(d)	Total (Sum of all totals per fitting type)	1	
(e)	Total (Sum of all totals per fitting type)		170
	Average Flow Rate (l/min)		170
(f)	Maximum Flow Rate (l/min)		6
	Proportionate flow Rate (l/min)		4.2

Table 4. Consumption calculator for multiple shower (baths also present)

WC type	(a) Flow Rate (l/min)	(b) Qty	(c) Total per fitting type
1.0 Bathroom	8	1	8
2.0			
3.0			
4.0			
(d)	Total (Sum of all totals per fitting type)	1	
(e)	Total (Sum of all totals per fitting type)		8
	Average Flow Rate (l/min)		8
(f)	Maximum Flow Rate (l/min)		8
	Proportionate flow Rate (l/min)		5.6

Table 3. Consumption calculator for multiple basin taps (excluding kitchen sink taps)

Tap fitting Type	(a) Flow Rate (l/min)	(b) Qty	(c) Total per fitting type
1.0 Bathroom	5	1	5
2.0			
3.0			
4.0			
(d)	Total (Sum of all totals per fitting type)	1	
(e)	Total (Sum of all totals per fitting type)		5
	Average Flow Rate (l/min)		5
(f)	Maximum Flow Rate (l/min)		6
	Proportionate flow Rate (l/min)		4.2

Table 3. Consumption calculator for multiple taps (kitchen/utility/room sink)

Tap fitting Type	(a) Flow Rate (liter)	(b) Qty	(c) Total per fitting type
1.0 Bathroom	6	1	6
2.0			
3.0			
4.0			
(d)	Total (Sum of all totals per fitting type)	1	
(e)	Total (Sum of all totals per fitting type)		6
	Average Flow Rate (l/min)		6
(f)	Maximum Flow Rate (l/min)		6
	Proportionate flow Rate (l/min)		4.2

Table 3. Consumption calculator for multiple dishwasher

Tap fitting Type	(a) Flow Rate (liter)	(b) Qty	(c) Total per fitting type
1.0 Kitchen	1.25	1	1.25
2.0			
3.0			
4.0			
(d)	Total (Sum of all totals per fitting type)	1	
(e)	Total (Sum of all totals per fitting type)		1.25
	Average Flow Rate (l/min)		1.25
(f)	Maximum Flow Rate (l/min)		6
	Proportionate flow Rate (l/min)		4.2

Table 3. Consumption calculator for multiple washing machine

Tap fitting Type	(a) Flow Rate (liter)	(b) Qty	(c) Total per fitting type
1.0 Kitchen	8.17	1	8.17
2.0			
3.0			
4.0			
(d)	Total (Sum of all totals per fitting type)	1	
(e)	Total (Sum of all totals per fitting type)		8.17
	Average Flow Rate (l/min)		8.17
(f)	Maximum Flow Rate (l/min)		6
	Proportionate flow Rate (l/min)		4.2

Table 5. Consumption calculator for multiple WC

Tap fitting	(a) Flow Rate (l/min)	(b) Qty	(c) Total per fitting type
1.0 Bathroom	3.06	1	3.06
2.0 Ensuite	3.06	1	3.06
3.0			
4.0			
(d) Total (Sum of all totals per fitting type)		2	
(e) Total (Sum of all totals per fitting type)			6.12
(f) Average effective flushing volume			3.06

C. RESULT

By conducting the Government's national calculation methodology for assessing water efficiency in new 1 person 1 bedroom single storey flat located at second floor, as designed, achieves a water consumption of 106.3 litres per person per day.

Compliance with Building Regulation 36 (1) has been demonstrated using the tables and calculations indicated in Approved Document Part G Appendix A - Water Efficiency Calculator for New Dwelling.

Actions required:

The flow rates for taps and showers herein should be measured at a dynamic pressure of 3 ± 0.2 bar. In the case of gravity-fed water systems supplying taps and showers, the flow rates for those fittings should be measured at a dynamic pressure of 0.1 ± 0.02 bar (Note: evidence of this type of system must be provided for the "As Built" report).

PART G COMPLIANCE

A. PROJECT DETAILS

Property : 260 Coombe Lane, London SW20 0RW, UK **(FLAT 5)**
 Assessed by: Carlo Miguel O. Ordon
 Date Assessed : October 31, 2023
 Contact No: 02045153448
 Email: carlo.ordona@cosyhauz.com

B. TABLE AND CALCULATION

Table 1: Water Calculator for New Dwelling

Installation Type	Unit of Measure	(1) Capacity/ flow rate	(2) Use factor	(3) Fixed use	(4) Litres/person/day (1) x (2) + (3)
1.0 WC (single flush)	Flush volume (litres)	0	4.42	0	0
2.0 WC (Dual flush)	Full flush vol (litres)	0	1.46	0	0
	Part flush vol (litres)	0	2.96	0	0
3.0 WC (multiple fittings)	Average effective flushing volume (litres)	3.06	4.42	0.00	13.53
4.0 Taps (excl. Kitchen)	Flow wate (litres/min)	5.00	1.58	1.58	9.48
5.0 Bath (shower also present)	Capacity to overflow (litres)	170.00	0.11	0.00	18.70
6.0 Shower (Bath also present)	Flow rate (litres/min)	8.00	4.37	0.00	34.96
7.0 Bath only	Capacity to overflow (litres)	0.00	0.50	0.00	0.00
8.0 Shower only	Flow rate (litres/min)	0.00	5.60	0.00	0.00
9.0 Kitchen sink taps	Flow rate (litres/min)	6.00	0.44	10.36	13.00
10.0 Washing Machine	litres/kg dry load	8.17	2.10	0.00	17.16
11.0 Dishwasher	litres/place setting	1.25	3.60	0.00	4.50
12.0 Waste disposal	litres/use	0.00	3.08	0.00	0.00
13.0 Water softener	litres/person/day	0.00	1.00	0.00	0.00
(5) Total calculated use (litres/person/day)					111.32
(6) Contribution from greywater (litres/person/day)					0.00
(7) Contribution from rainwater (litres/person/day)					0.00
(8) Normalisation factor					0.91
(9) Total Water Consumption. Code for Sustainable Homes (litres/person/day)					101.30
(10) External water use					5
(11) Total Water Consumption. (36(1)) (litres/person/day)					106.3

Table 2. Maximum fittings consumption optional requirement level (As designed)

Water fitting	Maximum consumption	Qty
1.0 WC	4/2.6 liter dual flush	2
2.0 Bath (Shower also present)	170l	1
3.0 Shower (Bath also present)	8 l/min	1
4.0 Basin taps	5 l/min	2
5.0 Sink tapos	6 l/min	1
6.0 Dishwasher	1.25 l/place setting	1
7.0 Washing Machine	8.17 l/kg	1

Table 3. Consumption calculator for multiple baths (shower also present)

Tap fitting Type	(a) Flow Rate (l/min)	(b) Qty	(c) Total per fitting type
1.0 Bathroom	170	1	170
2.0			
3.0			
4.0			
(d)	Total (Sum of all totals per fitting type)	1	
(e)	Total (Sum of all totals per fitting type)		170
	Average Flow Rate (l/min)		170
(f)	Maximum Flow Rate (l/min)		6
	Proportionate flow Rate (l/min)		4.2

Table 4. Consumption calculator for multiple shower (baths also present)

WC type	(a) Flow Rate (l/min)	(b) Qty	(c) Total per fitting type
1.0 Shower	8	1	8
2.0			
3.0			
4.0			
(d)	Total (Sum of all totals per fitting type)	1	
(e)	Total (Sum of all totals per fitting type)		8
	Average Flow Rate (l/min)		8
(f)	Maximum Flow Rate (l/min)		8
	Proportionate flow Rate (l/min)		5.6

Table 3. Consumption calculator for multiple basin taps (excluding kitchen sink taps)

Tap fitting Type	(a) Flow Rate (l/min)	(b) Qty	(c) Total per fitting type
1.0 Bathroom	5	1	5
2.0 Shower	5	1	5
3.0			
4.0			
(d)	Total (Sum of all totals per fitting type)	2	
(e)	Total (Sum of all totals per fitting type)		10
	Average Flow Rate (l/min)		5
(f)	Maximum Flow Rate (l/min)		6
	Proportionate flow Rate (l/min)		4.2

Table 3. Consumption calculator for multiple taps (kitchen/utility/room sink)

Tap fitting Type	(a) Flow Rate (liter)	(b) Qty	(c) Total per fitting type
1.0 Kitchen	6	1	6
2.0			
3.0			
4.0			
(d)	Total (Sum of all totals per fitting type)	1	
(e)	Total (Sum of all totals per fitting type)		6
	Average Flow Rate (l/min)		6
(f)	Maximum Flow Rate (l/min)		6
	Proportionate flow Rate (l/min)		4.2

Table 3. Consumption calculator for multiple dishwasher

Tap fitting Type	(a) Flow Rate (liter)	(b) Qty	(c) Total per fitting type
1.0 Kitchen	1.25	1	1.25
2.0			
3.0			
4.0			
(d)	Total (Sum of all totals per fitting type)	1	
(e)	Total (Sum of all totals per fitting type)		1.25
	Average Flow Rate (l/min)		1.25
(f)	Maximum Flow Rate (l/min)		6
	Proportionate flow Rate (l/min)		4.2

Table 3. Consumption calculator for multiple washing machine

Tap fitting Type	(a) Flow Rate (liter)	(b) Qty	(c) Total per fitting type
1.0 Kitchen	8.17	1	8.17
2.0			
3.0			
4.0			
(d)	Total (Sum of all totals per fitting type)	1	
(e)	Total (Sum of all totals per fitting type)		8.17
	Average Flow Rate (l/min)		8.17
(f)	Maximum Flow Rate (l/min)		6
	Proportionate flow Rate (l/min)		4.2

Table 5. Consumption calculator for multiple WC

Tap fitting	(a) Flow Rate (l/min)	(b) Qty	(c) Total per fitting type
1.0 Bathroom	3.06	1	3.06
2.0 Shower	3.06	1	3.06
3.0			
4.0			
(d) Total (Sum of all totals per fitting type)		2	
(e) Total (Sum of all totals per fitting type)			6.12
(f) Average effective flushing volume			3.06

C. RESULT

By conducting the Government's national calculation methodology for assessing water efficiency in new 3 person 2 bedroom single storey flat located at first floor, as designed, achieves a water consumption of 106.3 litres per person per day.

Compliance with Building Regulation 36 (1) has been demonstrated using the tables and calculations indicated in Approved Document Part G Appendix A - Water Efficiency Calculator for New Dwelling.

Actions required:

The flow rates for taps and showers herein should be measured at a dynamic pressure of 3 ± 0.2 bar. In the case of gravity-fed water systems supplying taps and showers, the flow rates for those fittings should be measured at a dynamic pressure of 0.1 ± 0.02 bar (Note: evidence of this type of system must be provided for the "As Built" report).

PART G COMPLIANCE

A. PROJECT DETAILS

Property : 260 Coombe Lane, London SW20 0RW, UK **(FLAT 6)**
 Assessed by: Carlo Miguel O. Ordon
 Date Assessed : October 31, 2023
 Contact No: 02045153448
 Email: carlo.ordona@cosyhauz.com

B. TABLE AND CALCULATION

Table 1: Water Calculator for New Dwelling

Installation Type	Unit of Measure	(1) Capacity/ flow rate	(2) Use factor	(3) Fixed use	(4) Litres/person/day (1) x (2) + (3)
1.0 WC (single flush)	Flush volume (litres)	0	4.42	0	0
2.0 WC (Dual flush)	Full flush vol (litres)	0	1.46	0	0
	Part flush vol (litres)	0	2.96	0	0
3.0 WC (multiple fittings)	Average effective flushing volume (litres)	3.06	4.42	0.00	13.53
4.0 Taps (excl. Kitchen)	Flow wate (litres/min)	5.00	1.58	1.58	9.48
5.0 Bath (shower also present)	Capacity to overflow (litres)	170.00	0.11	0.00	18.70
6.0 Shower (Bath also present)	Flow rate (litres/min)	8.00	4.37	0.00	34.96
7.0 Bath only	Capacity to overflow (litres)	0.00	0.50	0.00	0.00
8.0 Shower only	Flow rate (litres/min)	0.00	5.60	0.00	0.00
9.0 Kitchen sink taps	Flow rate (litres/min)	6.00	0.44	10.36	13.00
10.0 Washing Machine	litres/kg dry load	8.17	2.10	0.00	17.16
11.0 Dishwasher	litres/place setting	1.25	3.60	0.00	4.50
12.0 Waste disposal	litres/use	0.00	3.08	0.00	0.00
13.0 Water softener	litres/person/day	0.00	1.00	0.00	0.00
(5) Total calculated use (litres/person/day)					111.32
(6) Contribution from greywater (litres/person/day)					0.00
(7) Contribution from rainwater (litres/person/day)					0.00
(8) Normalisation factor					0.91
(9) Total Water Consumption. Code for Sustainable Homes (litres/person/day)					101.30
(10) External water use					5
(11) Total Water Consumption. (36(1)) (litres/person/day)					106.3

Table 2. Maximum fittings consumption optional requirement level (As designed)

Water fitting	Maximum consumption	Qty
1.0 WC	4/2.6 liter dual flush	2
2.0 Bath (Shower also present)	170l	1
3.0 Shower (Bath also present)	8 l/min	1
4.0 Basin taps	5 l/min	2
5.0 Sink tapos	6 l/min	1
6.0 Dishwasher	1.25 l/place setting	1
7.0 Washing Machine	8.17 l/kg	1

Table 3. Consumption calculator for multiple baths (shower also present)

Tap fitting Type	(a) Flow Rate (l/min)	(b) Qty	(c) Total per fitting type
1.0 Bathroom	170	1	170
2.0			
3.0			
4.0			
(d)	Total (Sum of all totals per fitting type)	1	
(e)	Total (Sum of all totals per fitting type)		170
	Average Flow Rate (l/min)		170
(f)	Maximum Flow Rate (l/min)		6
	Proportionate flow Rate (l/min)		4.2

Table 4. Consumption calculator for multiple shower (baths also present)

WC type	(a) Flow Rate (l/min)	(b) Qty	(c) Total per fitting type
1.0 Ensuite	8	1	8
2.0			
3.0			
4.0			
(d)	Total (Sum of all totals per fitting type)	1	
(e)	Total (Sum of all totals per fitting type)		8
	Average Flow Rate (l/min)		8
(f)	Maximum Flow Rate (l/min)		8
	Proportionate flow Rate (l/min)		5.6

Table 3. Consumption calculator for multiple basin taps (excluding kitchen sink taps)

Tap fitting Type	(a) Flow Rate (l/min)	(b) Qty	(c) Total per fitting type
1.0 Bathroom	5	1	5
2.0 Ensuite	5	1	5
3.0			
4.0			
(d)	Total (Sum of all totals per fitting type)	2	
(e)	Total (Sum of all totals per fitting type)		10
	Average Flow Rate (l/min)		5
(f)	Maximum Flow Rate (l/min)		6
	Proportionate flow Rate (l/min)		4.2

Table 3. Consumption calculator for multiple taps (kitchen/utility/room sink)

Tap fitting Type	(a) Flow Rate (liter)	(b) Qty	(c) Total per fitting type
1.0 Kitchen	6	1	6
2.0			
3.0			
4.0			
(d)	Total (Sum of all totals per fitting type)	1	
(e)	Total (Sum of all totals per fitting type)		6
	Average Flow Rate (l/min)		6
(f)	Maximum Flow Rate (l/min)		6
	Proportionate flow Rate (l/min)		4.2

Table 3. Consumption calculator for multiple dishwasher

Tap fitting Type	(a) Flow Rate (liter)	(b) Qty	(c) Total per fitting type
1.0 Kitchen	1.25	1	1.25
2.0			
3.0			
4.0			
(d)	Total (Sum of all totals per fitting type)	1	
(e)	Total (Sum of all totals per fitting type)		1.25
	Average Flow Rate (l/min)		1.25
(f)	Maximum Flow Rate (l/min)		6
	Proportionate flow Rate (l/min)		4.2

Table 3. Consumption calculator for multiple washing machine

Tap fitting Type	(a) Flow Rate (liter)	(b) Qty	(c) Total per fitting type
1.0 Kitchen	8.17	1	8.17
2.0			
3.0			
4.0			
(d)	Total (Sum of all totals per fitting type)	1	
(e)	Total (Sum of all totals per fitting type)		8.17
	Average Flow Rate (l/min)		8.17
(f)	Maximum Flow Rate (l/min)		6
	Proportionate flow Rate (l/min)		4.2

Table 5. Consumption calculator for multiple WC

Tap fitting	(a) Flow Rate (l/min)	(b) Qty	(c) Total per fitting type
1.0 Bathroom	3.06	1	3.06
2.0 Ensuite	3.06	1	3.06
3.0			
4.0			
(d) Total (Sum of all totals per fitting type)		2	
(e) Total (Sum of all totals per fitting type)			6.12
(f) Average effective flushing volume			3.06

C. RESULT

By conducting the Government's national calculation methodology for assessing water efficiency in new 3 person 2 bedroom single storey flat located at second floor, as designed, achieves a water consumption of 106.3 litres per person per day.

Compliance with Building Regulation 36 (1) has been demonstrated using the tables and calculations indicated in Approved Document Part G Appendix A - Water Efficiency Calculator for New Dwelling.

Actions required:

The flow rates for taps and showers herein should be measured at a dynamic pressure of 3 ± 0.2 bar. In the case of gravity-fed water systems supplying taps and showers, the flow rates for those fittings should be measured at a dynamic pressure of 0.1 ± 0.02 bar (Note: evidence of this type of system must be provided for the "As Built" report).