

**SPACE STANDARDS**

**(a) 3 & 7 Baeloch Dr & 10 Holmbyre Rd**

2 types of flats

FLAT NO.: x/1	LVRM	KIT	BATH	TOILET	BED 1	BED 2	BED 3	BALCONY	HALL	STORE	TOTAL
Ceiling height (m)	2.32	2.32	2.32	nil	2.32	2.32	2.32	nil	2.32	2.32	
Orientation (windows)	NW	SE	SE	nil	NW	NW	SE	nil	n/a	nil	
Main dimensions (lxw)(m)	3.28x5.33	1.83x3.66	1.37x3.05	nil	3.35x4.19	4.19x2.59	2.74x3.35	nil	4.80x0.99	0.84x1.45	
Window wall dimensions (wxh)(m)	2.21x1.0	1.22x1.0	0.69x1.0	nil	1.83x1.0	1.22x1.0	1.83x1.0	nil	n/a	nil	
Gross floor area (m <sup>2</sup> )	17.50	6.69	5.20	nil	14.05	10.85	10.60	nil	6.29	1.22	72.40
Gross volume (m <sup>3</sup> )	40.60	15.52	12.06	nil	32.60	25.17	24.59	nil	14.59	2.83	167.96
Gross window area (m <sup>2</sup> )	2.21	1.22	0.69	nil	1.83	1.22	1.83	nil	n/a	nil	9.00 *Window height varies
Net window area (glass) (m <sup>2</sup> )	1.25	0.71	0.32	nil	0.97	0.71	0.97	nil	n/a	nil	4.93 * Frame width 0.12; 0.08
window to floor area (%)	7.12	10.55	6.23	nil	6.92	6.54	9.15	nil	n/a	nil	46.51
Gross wall surface area (m <sup>2</sup> )	42.04	26.77	25.29	nil	36.80	32.94	33.83	nil			197.67 *Doors 1.672m <sup>2</sup>
Intensity of Occupancy (persons h	1.63	4.27	5.49	nil	2.03	2.63	2.70	nil	4.54	23.48	0.39 No.Occupants*Hrs/Volume (m3)
Occupancy Level (persons/m3)	0.09	0.22	0.29	nil	0.11	0.14	0.14	nil	0.24	1.24	0.02

**Occupant Scenario**

Soutar 7 2/1	LVRM	KIT	BATH	TOILET	BED 1	BED 2	BED 3	SUNSP	HALL	STORE	TOTAL
Net window area (unshaded) (m <sup>2</sup> )	0.63	0.57	0.16	nil	0.39	0.71	0.49	nil	n/a	n/a	7.16 * Frame width 0.12; 0.08
window to floor area (unshaded%)	4	8	3	nil	3	7	5	nil	n/a	n/a	29
Covered surface area (m <sup>2</sup> )	8.30	8.52			22.45	11.30	15.97	nil			66.54
Net wall surface area (%)	80.27	68.17			38.99	65.70	52.78	nil			
Furniture volume (m <sup>3</sup> )	5.42	4.06	1.45		5.70	2.80	3.91	nil			
Net volume (m <sup>3</sup> )	35.18	11.46	10.61		26.90	22.37	20.68	nil			
Net volume (%)	86.66	73.87	87.97		82.51	88.88	84.10	nil			

**Occupant Scenario**

Campbell 3 2/2	LVRM	KIT	BATH	TOILET	BED 1	BED 2	BED 3	SUNSP	HALL	STORE	TOTAL
Net window area (unshaded) (m <sup>2</sup> )	0.63	0.50	0.08	nil	0.49	0.32	0.58	nil	n/a	n/a	7.16 * Frame width 0.12; 0.08
window to floor area (unshaded%)	4	7	2	nil	3	3	5	nil	n/a	n/a	24
Covered surface area (m <sup>2</sup> )	3.85	7.36			7.56	9.92	8.05	nil			36.74
Net wall surface area (%)	90.84	72.51			79.46	69.88	76.20	nil			
Furniture volume (m <sup>3</sup> )	3.81	4.90	1.45		2.59	4.24	2.98	nil			
Net volume (m <sup>3</sup> )	36.79	10.62	10.61		30.01	20.94	21.62	nil			
Net volume (%)	90.62	68.42	87.97		92.05	83.17	87.90	nil			

FLAT NO.: x/2	LVRM	KIT	BATH	TOILET	BED 1	BED 2	BED 3	BALCONY	HALL	STORE	TOTAL
Ceiling height (m)	2.32	2.32	2.32	nil	2.32	2.32	2.32	2.32	2.32	2.32	
Orientation (windows)	SE	NW	NW	nil	SE	SE	NW	NW	n/a	nil	
Main dimensions (lxw)(m)	3.28x5.33	1.83x3.66	1.37x3.05	nil	3.35x4.19	4.19x2.59	2.74x3.35	1.8x0.75	4.8x0.99	nil	
Window wall dimensions (wxh)(m)	2.21x1.0	1.22x1.0	0.69x1.0	nil	1.83x1.0	1.22x1.0	1.83x1.0	nil	n/a	nil	
Gross floor area (m <sup>2</sup> )	17.50	6.69	5.20	nil	14.05	10.85	10.60	1.35	6.29	nil	72.53
Gross volume (m <sup>3</sup> )	40.60	15.52	12.06	nil	32.60	25.17	24.59	3.13	14.59	nil	168.27
Gross window area (m <sup>2</sup> )	2.21	1.22	0.69	nil	1.83	1.22	1.83	nil	n/a	nil	9.00 *Window height varies
Net window area (glass) (m <sup>2</sup> )	1.25	0.71	0.32	nil	0.97	0.71	0.97	nil	n/a	nil	4.93 * Frame width 0.12; 0.08
window to floor area (%)	7.12	10.55	6.23	nil	6.92	6.54	9.15	nil	n/a	nil	46.51
Gross wall surface area (m <sup>2</sup> )	42.04	26.77	25.29	nil	36.80	32.94	33.83	nil			197.67 *Doors 1.672m <sup>2</sup>
Intensity of Occupancy (persons h	1.63	4.27	5.49	nil	2.03	2.63	2.70	21.19	4.54	nil	0.39 No.Occupants*Hrs/Volume (m3)
Occupancy Level (persons/m3)	0.09	0.22	0.29	nil	0.11	0.14	0.14	1.12	0.24	nil	0.02

Occupant Scenario											
Mulheron 10 2/2	LVRM	KIT	BATH	TOILET	BED 1	BED 2	BED 3	SUNSP	HALL	STORE	TOTAL
Net window area (unshaded) (m <sup>2</sup> )	0.38	0.43	0.00	nil	0.39	0.00	0.00	nil	n/a	n/a	7.16 * Frame width 0.12; 0.08
Window to floor area (unshaded%)	2	6	0	nil	3	0	0	nil	n/a	n/a	11
Covered surface area (m <sup>2</sup> )	7.08	9.17			1.90	15.43	1.50	nil			35.08
Net wall surface area (%)	83.16	65.75			94.84	53.16	95.57	nil			
Furniture volume (m <sup>3</sup> )	4.62	5.98	2.20		1.05	5.13	1.50	nil			
Net volume (m <sup>3</sup> )	35.98	9.54	9.86		31.55	20.05	23.09	nil			
Net volume (%)	88.62	61.49	81.76		96.78	79.63	93.90	nil			
FLAT NO.: y	LVRM	KIT	BATH	TOILET	BED 1	BED 2	BED 3	BALCONY	HALL	STORE	TOTAL
Ceiling height (m)	2.32	2.32	2.32	nil	2.32	2.32	nil	2.32	2.32	nil	
Orientation (windows)	SE	SE	SE	nil	NW	NW	nil	SE	n/a	nil	
Main dimensions (l x w)(m)	3.28x5.26	1.83x3.66	1.37x3.05	nil	2.74x3.35	4.11x3.35	nil	1.8x0.75	4.8x0.99	nil	
Window wall dimensions (wxh)(m)	3.3x2.2	3.3x2.2	2x2.2	nil	3x2.2	nil	nil	nil	n/a	nil	
Gross floor area (m <sup>2</sup> )	17.25	6.69	5.20	nil	10.60	13.80	nil	1.35	6.29	nil	61.18
Gross volume (m <sup>3</sup> )	40.02	15.52	12.06	nil	24.59	32.02	nil	3.13	14.59	nil	141.94
Gross window area (m <sup>2</sup> )	7.26	1.70	0.28	nil	1.00	nil	nil	nil	n/a	nil	10.24 *Window height varies
Net window area (glass) (m <sup>2</sup> )	4.61	0.80	0.09	nil	0.64	nil	nil	nil	n/a	nil	6.14 * Frame width 0.16m; 0.2m; 0.1m
Window to floor area (%)	26.72	11.99	1.73	nil	6.04	nil	nil	nil	n/a	nil	46.48
Gross wall surface area (m <sup>2</sup> )	25.92	21.27	20.49	nil	27.91	nil	nil	nil			95.58 *Doors 1.672m <sup>2</sup>

CASTLEMILK: BLAELOCH DR & HOLMBYRE ROAD

Temperature (°C), Relative Humidity (%), CO<sub>2</sub> Levels (ppm)

22-03-2006: 4°C scattered clouds, light flurries (afternoon); 66% RH / 28-03-2006: 8°C light showers, rain, grey; 81% RH / 29-03-2006: 9°C sunny, dry, partly cloudy; 71% RH

No.	Name	Street Name	Unit/Flat	Living Room			Kitchen			Bathroom			Bedroom 1			Bedroom 2 (nearest front door)			Bedroom 3 (beside bath)			Toilet			
				Temp (°C)	RH (%)	CO <sub>2</sub> (ppm)	Temp (°C)	RH (%)	CO <sub>2</sub> (ppm)	Temp (°C)	RH (%)	CO <sub>2</sub> (ppm)	Temp (°C)	RH (%)	CO <sub>2</sub> (ppm)	Temp (°C)	RH (%)	CO <sub>2</sub> (ppm)	Temp (°C)	RH (%)	CO <sub>2</sub> (ppm)	Temp (°C)	RH (%)	CO <sub>2</sub> (ppm)	
1	Anderson	Blaeloch Drive	31 0/1	18.9	51.6	1630	19.8	48.9	1660	19.8	49.3	1600	20	48.4	1700	19.9	47.9	1660							
2	Campbell	Blaeloch Drive	3 2/2	16.5	30.2	600	16.8	30.1	650	17.5	34.1	560	17.6	27.8	580	16.1	28.5	540	17.8	29.3	600				
3	Soutar	Blaeloch Drive	7 2/1	19.9	36.2	540	20.5	35.7	520	21.7	33.5	520	20.7	35.1	530	20.1	32.9	540	21.5	32.9	520				
4	Mulheron	Holmbyre Road	10 2/2	21.6	51.5	1100	21.8	52	1060	21.4	50.3	1090	19.7	54.1	940	18.5	53.7	810	17.8	29.3	600				
5	Ahmet	Holmbyre Road	24 2/2	16.8	46.8	710	16.2	46.1	720	16.3	58.7	700	16.7	48	740	16.7	46.5	800							
6	Alexander	Holmbyre Road	40 2/2	22.8	48.9	1350	21.7	48.3	1340	21.4	52.2	1360	21.5	50.6	1300	20.9	39.3	1180	21.5	49.9	1360	21.6	44.3	1310	

Home Habits

No.	Name	Street Name	Flat	# Occpts	At home/out (hrs)		At home/out (hrs)	
					weekday	weekend	weekday	weekend
1	Anderson	Blaeloch Drive	31 0/1	2	22/2	24/0		
2	Campbell	Blaeloch Drive	3 2/2	4	21/3	19/5		
3	Soutar	Blaeloch Drive	7 2/1	3	18/6	18/6 (M)	20/4	18/6 (D) * take average of 2 and used in mean/median calculations = 19/5 weekdays & 18/6 weekends
4	Mulheron	Holmbyre Road	10 2/2	4	18.5/5.5	19/5 (M)	18/6	19/5 (D) * take average of 2 and used in mean/median calculations = 18.25/5.25 weekdays & 19/5 weekends
5	Ahmet	Holmbyre Road	24 2/2	1	22/2	22/2 (M)	18/6	22/2 (S) * take average of 2 and used in mean/median calculations = 20/4 weekdays & 22/2 weekends
6	Alexander	Holmbyre Road	40 2/2	3	20/4	16/8 (H)	18/6	16/8 (W/D) * take average of 2 and used in mean/median calculations = 19/5 weekdays & 16/8 weekends

Heating

No.	Name	Street Name	Flat	# Occpts	# Rooms	Rooms/spaces with heating (#/on[1]-off[0]-broken[n])										Time of year (ON)	Time of day (ON)	Level of heating in each room/space							Thermostat (°C/adjust °C)
						Lvrm	Kitchen	Bathroom Toilet	Bedrm 1	Bedrm 2	Bedrm 3	Hallway	Sunspace	Lvrm	Kitchen			Bathroom Toilet	Bedrm 1	Bedrm 2	Bedrm 3	Hallway	Sunspace		
1	Anderson	Blaeloch Drive	31 0/1	2	5	CH (1/1)	CH (1/0)	CH (1/1)	CH (1/1)	CH (1/1)	CH (1/1)	CH (1/1)	CH (1/1)	All year	all day	max 5	level 0	max 5	level 3	level 3	auto	20			
2	Campbell	Blaeloch Drive	3 2/2	4	6	CH (1/1)	CH (1/1)	CH (1/1)	CH (1/1)	CH (1/1)	CH (1/1)	CH (1/1)	CH (1/1)	All year	Morning/Evening	max 5	max 5	max 5	max 5	max 5	max 5	max 5	20-30		
3	Soutar	Blaeloch Drive	7 2/1	3	6	CH (1/1)	CH (1/0)	CH (1/1)	CH (1/1)	CH (1/1)	CH (1/0)	CH (1/1)	CH (1/1)	Oct-May	Morning/Evening	max 5	level 0	max 5	max 5	max 5	level 0	auto	20-25		
4	Mulheron	Holmbyre Road	10 2/2	4	6	CH (1/1)	CH (1/1)	CH (1/1)	CH (1/1)	CH (1/1)	CH (1/1)	CH (1/1)	CH (1/1)	All year	Morning/Afternoon	max 5	max 5	max 5	max 5	max 5	level 2	auto	30		
5	Ahmet	Holmbyre Road	24 2/2	1	5	CH (1/1)	CH (1/1)	CH (1/1)	CH (1/1)	CH (1/1)	CH (1/1)	CH (1/1)	CH (1/1)	Oct-April	varies	max 5	max 5	max 5/min	max 5/min	max 5/min	max 5/min	auto	15-20		
6	Alexander	Holmbyre Road	40 2/2	3	7	CH (1/1)	CH (1/1)	CH (1/1)	CH (1/1)	CH (1/1)	CH (1/1)	CH (1/1)	CH (1/1)	Sep-Apr	Morning/Evening	level 3-4	level 2-3	level 2	level 2	level 2	level 1	level 3	auto	n/a	

CH - central gas heating  
 EF - electric fire  
 ES - electric storage  
 E - electric (plug-in)  
 GF - gas fire

Access to sunlight

No.	Name	Street Name	Flat	# Occpts	# Rooms	Orientation of windows (N/S/E/W)										access to sunlight	Scale Rating (1-5)		
						Lvrm	Kitchen	Bathroom Toilet	Bedrm 1	Bedrm 2	Bedrm 3	Hallway	Balcony	outdoor/good light	private outdoor		communal outdoor		
1	Anderson	Blaeloch Drive	31 0/1	2	5	NW	NW	NW	SE	SE			NW	5	4	4	4		
2	Campbell	Blaeloch Drive	3 2/2	4	6	NW + W	SE	SE	NW	NW	SE			4	4	4	5		
3	Soutar	Blaeloch Drive	7 2/1	3	6	NW + N	SE	NW	SE	SE	NW			5	5	5	5		
4	Mulheron	Holmbyre Road	10 2/2	4	6	SE + S	NW	NW	SE	SE	NW		SE	4	5	2	4		
5	Ahmet	Holmbyre Road	24 2/2	1	5	SE	SE	SE	NW	NW			SE	5	5	5	3		
6	Alexander	Holmbyre Road	40 2/2	3	7	SE	SE	NW	nil	NW	NW	NW	SE (kitcher)	5	5	4	4		

Windows and Ventilation

No.	Name	Street Name	Flat	# Occpts	# Rooms	Windows open (#/open[1]-closed[0]/trickle vent [o][c][n])										Wall Vents (Y)(B-boarded up)					Trickle Vents (unused)			Extract Fans [1][0]		Passive Stack	Dehumidifier	
						Lvrm	Kitchen	Bathroom Toilet	Bedrm 1	Bedrm 2	Bedrm 3	Sunspace	Lvrm	Kitchen	Bathroom Toilet	Bedrm 1	Bedrm 2	Bedrm 3	Sunspace	unsure	unaware	access	Kitchen	Bathrm	Toilet			
1	Anderson	Blaeloch Drive	31 0/1	2	5	2/0/c	2/0/c	1/0/c	1/0/c	1/0/o																		
2	Campbell	Blaeloch Drive	3 2/2	4	6	3/1/c	1/1/c	1/0/c	1/1/c	1/1/c	1/1/c		Y															
3	Soutar	Blaeloch Drive	7 2/1	3	6	2/1/o	1/1/o	1/1/o	2/1/o	1/1/o	2/1/o																	
4	Mulheron	Holmbyre Road	10 2/2	4	6	3/1/o	1/1/c	1/1/c	2/1/c	1/1/c	2/1/c		Y															
5	Ahmet	Holmbyre Road	24 2/2	1	5	3/1/o	2/1/o	1/1/o	2/1/o	1/1/o					Y													
6	Alexander	Holmbyre Road	40 2/2	3	7	2/1/o	2/1/o	1/1/o	nil	2/1/o	2/1/o	1/1/o																

Extract fans

AH - Auto-humidistat control extract  
 AT - Auto-timer extract  
 MS - manual switch extract  
 P - pull chord extract

Humidity

No.	Name	Street Name	Flat	# Occpts	Laundry Method [1][B]			loads/time (per week)	Location Kitchen	Drying Method			loads/time (per week)	Surface Condensation		
					Washer	Hand	Lauderette			W-D [1][0]	TD-[p][f][n][1][0][B]	hang dry-[o][i][ch][cl][radiators-[0][hh]		windows	walls	clothes
1	Anderson	Blaeloch Drive	31 0/1	2	1		1/4 days	Y	i/p	r/0		1/4 days	Y-b/b1+2	Y-b/b1+2		
2	Campbell	Blaeloch Drive	3 2/2	4	1		5/7 days	Y	o/da + i/ch + h	r/0		5/7 days	Y-b1/2/3			
3	Soutar	Blaeloch Drive	7 2/1	3	1		2/7 days	Y	i/ch	r/0		2/7 days				
4	Mulheron	Holmbyre Road	10 2/2	4	1		5/7 days	Y	o/da + i/ch + p	r/0		5/7 days	Y-all	Y-k/b2		
5	Ahmet	Holmbyre Road	24 2/2	1	1		1.5/4 days	Y	i/ch	r/hh		1.5/4 days	Y-k	Y-b		
6	Alexander	Holmbyre Road	40 2/2	3	1		2/7 days	Y	o/da + i/ch	r/0		2/7 days	Y-l/k/b1/2/3	Y-l/b1/2/3	Y-b1	

B-broken  
 W-D - washer and tumble dryer  
 TD - separate tumble dryer [plumbed-in][flexible hose][no ventilation system][built-in condenser]/heat benefit [0-no][1-yes][B-broken]  
 hang dry - [outdoors][indoors]/[close horse][closet space][drying room][hang][pulley][drying area]  
 radiators - [0 heat change][heat higher]  
 \* Purpose duct but used as flexible hose system

**Acoustic Insulation**

No.	Name	Street Name	Flat	# Occpts	Noise (Y)	Scale Rating	Frequency	Disturbance
1	Anderson	Blaeloch Drive	31 0/1	2	Y	4	4	4
2	Campbell	Blaeloch Drive	3 2/2	4	Y	5	5	2
3	Soutar	Blaeloch Drive	7 2/1	3	Y	3	5	5
4	Mulheron	Holmyre Road	10 2/2	4	Y	5	5	5
5	Ahmet	Holmyre Road	24 2/2	1	Y	5	5	5
6	Alexander	Holmyre Road	40 2/2	3	Y	5	5	5

**Stress-Positive/Negative Scale-Well-being**

No.	Name	Street Name	Flat	# Occpts	Smokers	Cigarettes (per day)	Alcohol (units/week)	Pets (#)	Level of control in house (scale rating)		Perception and Emotions (scale rating)						Ailments (avg scale rating)					
									unexpected	lack control (sum/avg)	stress level (sum/avg)	Enthusias	Proud	Irritable	Ashamed	Alert/Atter	Upset	Nervous	Scared/Afri	Average[1	Average[1	Cause [ho
1	Anderson	Blaeloch Drive	31 0/1	2				0	6	1 4 (1)	3 (1)	2	2	3	3	5	3	3	3 25 (1.5)*	31 (1.8) - n	Y	Y
2	Campbell	Blaeloch Drive	3 2/2	4	Y	20		0	1	1 4 (1)	3 (1)	1	1	3	5	5	4	1	1 48 (2.8)		Y	
3	Soutar	Blaeloch Drive	7 2/1	3			0 (1)		0	1 10 (2.5)	3 (1)	3	3	1	1	5	4	1	1 27 (1.6)			Y
4	Mulheron	Holmyre Road	10 2/2	4	Y	50 (60)		0	0	5 20 (5)	15 (5)	1	1	5	5	5	5	5	5 63 (3.7)		Y	Y
5	Ahmet	Holmyre Road	24 2/2	1	Y	10		0	0	1 4 (1)	3 (1)	4	4	1	1	5	1	1	1 36 (2.1)			Y
6	Alexander	Holmyre Road	40 2/2	3			6 (10)		0	1 10 (2.5)	3 (1)	3	3	1	1	5	1	5	5 33 (1.9)			Y

**Fuel Costs (per week)**

	(a)	(b)	(c) estimated based on 353 Dumbarton Road	
Gas	8	6.25	10	9
	24.4		6	
Electricity	10		7.5	7
	10		6	
	10			
Avg Gas	12.88		8	9
Avg Electricity	10		6.75	7

\*Average for Anderson = 1.65

CASTLEMILK

Temperature (°C), Relative Humidity (%), CO<sub>2</sub> Levels (ppm)

25-10-2006: Grey/Cloudy/Rain 11°C 93%RH / 4-12-2006: Cloudy/Cold/Wet 9°C 81%RH /

No.	Name	Street Nan Unit/Flat	Living Room			Kitchen			Bathroom			Bedroom 1			Bedroom 2 (nearest front door)			Bedroom 3			Toilet			
			Temp (°C)	RH (%)	CO <sub>2</sub> (ppm)	Temp (°C)	RH (%)	CO <sub>2</sub> (ppm)	Temp (°C)	RH (%)	CO <sub>2</sub> (ppm)	Temp (°C)	RH (%)	CO <sub>2</sub> (ppm)	Temp (°C)	RH (%)	CO <sub>2</sub> (ppm)	Temp (°C)	RH (%)	CO <sub>2</sub> (ppm)	Temp (°C)	RH (%)	CO <sub>2</sub> (ppm)	
1	Anderson	Blaeloch D 31 0/1	18.6	61.2	1370.0	20.0	56.1	840.0	20.2	61.8	860.0	19.2	57.5	940.0	19.6	53.9	870.0							
2	Campbell	Blaeloch D 3 2/2																						
3	Soutar	Blaeloch D 7 2/1	19.8	54.3	610.0	20.1	54.2	630.0	20.0	52.0	640.0	20.2	53.4	630.0	20.5	52.7	710.0	20.0	52.4	610.0				
4	Mulheron	Holmbyre F 10 2/2	19.3	60.2	920.0	20.1	52.4	970.0	19.8	57.1	980.0	18.9	46.7	730.0	18.9	53.1	880.0	19.7	54.3	1070.0				
5	Ahmet	Holmbyre F 24 2/2																						
6	Alexander	Holmbyre F 40 2/2	20.8	67.3	1710.0	21.3	64.1	1380.0	21.5	60.5	1430.0	21.2	66.1	1670.0	20.3	58.4	1280.0	21.3	63.9	1340.0	21.4	58.9	1430.0	
			<b>19.6</b>	<b>60.8</b>	<b>1152.5</b>	<b>20.4</b>	<b>56.7</b>	<b>955.0</b>	<b>20.4</b>	<b>57.8</b>	<b>977.5</b>	<b>19.9</b>	<b>55.9</b>	<b>992.5</b>	<b>19.9</b>	<b>54.5</b>	<b>935.0</b>	<b>20.3</b>	<b>56.9</b>	<b>1006.7</b>	<b>21.4</b>	<b>58.9</b>	<b>1430.0</b>	

**CASTLEMILK RESULTS (BLAELOCH DR & HOLMBYRE RD) (Energy Efficiency & Air Quality)**

**Users's habits vs. Energy Efficiency / User's habits vs. Air Quality**  
Castlemilk Results

**Temperature (°C), Relative Humidity (%), CO<sub>2</sub> Levels (ppm)**

22-03-2006: 4°C scattered clouds, light flurries (afternoon); 66% RH / 28-03-2006: 8°C light showers, rain, grey; 81% RH / 29-03-2006: 9°C sunny, dry, partly cloudy; 71% RH

No.	Name	Street	Living Room			Kitchen			Bathroom			Bedroom 1			Bedroom 2 (nearest front door)			Bedroom 3 (beside bath)		
			Temp (°C)	RH (%)	CO <sub>2</sub> (ppm)	Temp (°C)	RH (%)	CO <sub>2</sub> (ppm)	Temp (°C)	RH (%)	CO <sub>2</sub> (ppm)	Temp (°C)	RH (%)	CO <sub>2</sub> (ppm)	Temp (°C)	RH (%)	CO <sub>2</sub> (ppm)	Temp (°C)	RH (%)	CO <sub>2</sub> (ppm)
1	Anderson	Blaeloch D 31 0/1	18.9	51.6	1630	19.8	48.9	1660	19.8	49.3	1600	20	48.4	1700	19.9	47.9	1660			
2	Campbell	Blaeloch D 3 2/2	16.5	30.2	600	16.8	30.1	650	17.5	34.1	560	17.6	27.8	580	16.1	28.5	540	17.8	29.3	600
3	Soutar	Blaeloch D 7 2/1	19.9	36.2	540	20.5	35.7	520	21.7	33.5	520	20.7	35.1	530	20.1	32.9	540	21.5	32.9	520
4	Mulheron	Holmbyre F 10 2/2	21.6	51.5	1100	21.8	52	1060	21.4	50.3	1090	19.7	54.1	940	18.5	53.7	810	17.8	29.3	600
5	Ahmet	Holmbyre F 24 2/2	16.8	46.8	710	16.2	46.1	720	16.3	58.7	700	16.7	48	740	16.7	46.5	800			
6	Alexander	Holmbyre F 40 2/2	22.8	48.9	1350	21.7	48.3	1340	21.4	52.2	1360	21.5	50.6	1300	20.9	39.3	1180	21.5	49.9	1360
			19.41667	44.2	988.3333	19.46667	43.51667	991.6667	19.68333	46.35	971.6667	19.36667	44	965	18.7	41.46667	921.6667	19.65	35.35	770

**Home Habits**

# Flats	At home/out (hrs)	
	weekday	weekend
6	19.9	19.7
	19.5	19

**Heating**

# Flats	# Occp (avg/flat)	# Rooms (per apt)	Rooms/spaces with heating (#/on[1]-off[0]-broken[n])										Time of year (ON)	Time of day (ON)	Level of heating in each room/space							Thermostat (°C/adjust °C)
			Lvrm	Kitchen	Bathroom	Toilet	Bedrm 1	Bedrm 2	Bedrm 3	Hallway	Sunspace	Lvrm			Kitchen	Bathroom	Toilet	Bedrm 1	Bedrm 2	Bedrm 3	Hallway	
6	2.8	5.8 CH (1/1)	6	4	6	1	6	5	3	6	Oct-Apr	1 Morn/Eve	3 max 5	5	3	4		3	3	1	6	min
	3	6 CH (1/0) ES (1/1)		2				1	1		Oct-May	1 Morn/Aft	1 max 5/min			1		1	1			21
								1			Sep-Apr	1 All day	1 level 3-4	1								20
											All year	3 Varies	1 level 3 level 2-3 level 2 level 1 level 0 nil auto		1		1	1	1		max	
																	1			1		25
																			1			25
																				1		nil
																						1

CH - central gas heating  
EF - electric fire  
ES - electric storage  
E - electric (plug-in)  
GF - gas fire

**Access to sunlight**

# Flats	# Occp (avg/flat)	# Rooms (per apt)	Orientation of windows (N/S/E/W)							access to sunlight	Scale Rating (1-5)			
			Lvrm	Kitchen	Bathroom	Toilet	Bedrm 1	Bedrm 2	Bedrm 3		Hallway	Balcony	outdoor/good light	private outdoor
6	2.8	5.8 NW	1	2	4		3	3	3	1	4.7	4.7	4	4.2
	3	6 NW + W	1								5	5	4	4
		NW + N	1											
		SE + S	1											
		SE	2	4	2		3	3	1	3				
		nil					1							

**Windows and Ventilation**

# Flats	# Occp (avg/flat)	# Rooms (per apt)	Windows open (#/open[1]-closed[0]/trickle vent [o][c][n])							Wall Vents (Y)(B-boarded up)				Trickle Vents (unused)			act Fans [1][0]			Passive Stack	Dehumidifier		
			Lvrm	Kitchen	Bathroom	Toilet	Bedrm 1	Bedrm 2	Bedrm 3	Sunspace	Lvrm	Kitchen	Bathroom	Bedrm 1	Bedrm 2	Sunspace	unaware	access	Kitchen			Bathrm	Toilet
6	2.8	5.8 3/1/c	1							1	1			1			2	2	P/0	P/b	AT/1	0	0
	3	6 3/1/o	2																1	3	1		
		2/1/o	2	2				3	1	1										P/1			
		2/1/c						1		1											1		
		2/0/c	1	1																			
		1/1/c		2	1			1	2	1											AH/1	1	
		1/1/o		1	3				2	1													
		1/0/c			2			1													MS/0		
		1/0/o							1													1	
		nil						1															

**Humidity**

# Flats	# Occp (avg/flat)	# Rooms (per apt)	Laundry Method [1][B]			loads/time (per wash/week)	Location	Drying Method			loads/time (per wash/week)	Surface Condensation				
			Washer	Hand	Lauderette			W-D [1][0]	TD-[p][f][n]/[1][0][B]	hang dry-[o][i][ch][cl radiators-[0][hh]		windows	walls	clothes		
6	2.8	5.8	6			2.75	6	6	bc/0				6	Y-b/b1+2	Y-b/b1+2	
	3	6				2	7			2	i/ch		2	7	1	1
											o/da + i/ch		1	Y-b1/2/3	Y-b1	1
											w/h		5			
													1	Y-all		

