

#### **CONTENTS:**

#### **Housing Quality Assessment Submitted with Planning Application for:**

Residential Development at Brennanstown Road, Cabinteely, Dublin 18 for Cairn Homes

#### **CONTENTS:**

- Executive Summary
- 2. Policy Overview
- Compliance with Sustainable Urban Housing Design Standards for New Apartments
  - Apartment Mix
  - Apartment Floor Areas
  - Apartment Design
  - Dual Aspect Ratios
  - Floor to Ceiling Height
  - Lift and Stair Cores
  - Internal Storage
  - Private Amenity Space
  - Security Considerations
- 4. Compliance with Sustainable Urban Housing Design Standards for New Apartments
  - Access and Services
  - Communal Facilities
  - Refuse Storage
  - External Communal Amenity Space
  - Children's Play Area
  - Car Parking
  - Bicycle Parking
- 5. Appendices

Appendix A: Housing Quality Assessment

#### **DESIGN TEAM:**

Applicant:

**CAIRN Home Properties Ltd.** 

3rd Floor, Block 7, IE-DUB-VSO, 2 Grand Canal Street Lower, Dublin 2

Architects:

Reddy Architecture + Urbanism Dartry Mills, Dartry Road, Dublin 6

**Conservation Architects:** 

**Howley Haves Architects** 

19 Rock Hill, Blackrock, Co.Dublin

Planning Consultants:

McGill Planning Ltd.

22 Wicklow Street, Dublin 2

Civil / Structural / Roads Engineers:

**Waterman Moylan Consulting Engineers** 

EastPoint Business Park, 5Alfie Byrne Rd, East Wall, Dublin 3

Mechanical & Electrical Engineers:

O'Connor Sutton Cronin Consultant Engineers

9 Prussia St., Stoneybatter, Dublin 7

Bat Survey:

**Bat Eco Services** 

Ulex House, Drumhill, Lisduff, Virginia, Co. Cavan

CGIs / Photomontages / Visual Impact Assessment:

Modelworks.

The Old Courtyard, Newtownpark Ave, Blackrock,

Co Dublin

Landscape Architects:

**Murray & Associates Landscape Architecture** 

16 The Seapoint Bldg, 44-45 Clondarf Rd, Dublin 3

Daylight/Sunlight Analysis:

**Avison Young** 

86 Merrion Square S, Dublin 2

Waste/Acoustic Analysis:

**AWN Consulting Ltd** 

The Tecpro Building, Clonshaugh Business & Tech-

nology Park, Dublin 17

Fire Safety Engineers:

**Michael Slattery & Associates** 

19 Windsor Place, Pembroke Street Lower, Dublin 2

**Archaeological Consultant:** 

Irish Archaeological Consultancy Ltd

Unit G1, Kilcoole Rd, Network Enterprise Park, Co

Wicklow

**Ecology**:

**Altemar** 

Templecarrig Upper, Greystones, Co. Wicklow.

Site Surveys:

Land Surveys Ltd.

22 Mellifont Ave, Dun Laoghaire, Co. Dublin

Arboriculture:

The Tree File Ltd.

Ashgrove House, Kill Avenue, Dun Laoghaire, Co.

Dublin

# 1.0 Executive Summary

#### **Project Description**

Construction of a Build to Rent (BTR), Strategic Housing Development (SHD) comprising the following:

- •Demolition of existing unoccupied dwelling ('Winterbrook'), and derelict, former dwelling attached to Barrington Tower (Protected Structure RPS 1729).
- •Construction of 534 no. apartments (30 no. studios, 135 no. 1 -beds, 318 no. 2-bed, and 51 no. 3-bed) within 8 no. blocks ranging in height from 3 to 9 storeys (over lower ground floor).
- •Provision of creche, retail unit, and Resident Support Facilities/ Resident Services and Amenities.
- •Provision of car and cycle parking, at basement (2 levels) and ground level.
- •Provision of vehicular and pedestrian/cyclist accesses from Brennanstown Road with public access through the development to Brennanstown Luas Stop to the south.
- •Provision of public and communal open spaces including an enhanced landscaped setting in the vicinity of Barrington Tower.
- •Provision of all landscaping, play areas and boundary treatment works, ESB substations, plant areas, waste management areas, and all other site development works, and site services required to facilitate the proposed development.

#### **Executive Summary**

This Housing Quality Assessment forms part of a planning submission for a proposed residential Build to Rent development (BTR) at Barrington Tower Site, Brennanstown Road, Cabinteely, Dublin 18.

The site is bounded by Brennastown Road to the North and the Luas Green line to the south.

The purpose of this document is to assess the residential element of the proposed development against the provisions of the Sustainable Urban Housing Standards for New Apartments and is intended to be read as a supplementary document to the Urban Design Report.

#### **Site Statistics**

Total Site Area	3.81ha
No. of Units	534
Total Gross Area - Proposed (exc. basement)	55,484m²
Total Gross Area - Residential (inc. amenity)	54,528m²
Site Coverage	22%
Plot Ratio	1:46
Gross Density 14	l0units/ha
Total public open space	9,370m²
Total communal facilities for residents	5,696m²
Resident's external amenity space	4,200m²
Resident's internal amenity space	1,496m²
Retail unit at at ground floor of blocks CD	366.8m²
Crèche at at ground floor of blocks CD	356.5m <sup>2</sup>
Basement car park spaces for residents	400
Surface car parking spaces for ancillary support fasi users, staff and visitors.	lities' 19
Basement motorcycle parking spaces	17
Basement bicycle parking spaces for residents	1,058
Surface bicycle parking spaces for ancillary supportusers, staff and visitors.	t facilities' 182
Stacked bicycle parking spaces for Luas commuters	s. 26
Bat house	1

## 2.0 Policy Overview

#### **Housing Quality Assessment**

The development is designed to be compliant with:

- 1. Sustainable Urban Housing: Design Standards for New
- 2. Apartments
- 3. Urban Design Manual: A best practice guide
- 4. Urban Development and Building Height Guidelines for Planning Authorities (2020)
- 5. Dun Laoghire Rathdown County Council Development Plan 2022-28.
- 6. Best practice guidelines Quality Housing for Sustainable Communities (2007);
- 7. Sustainable Residential Development in Urban Areas Guidelines for Planning Authorities (2009)
- 8. Design Manual for Urban Roads and Streets or 'DMURS' (2013);
- 9. Retail Design Manual (2012).
- 10. Childcare Facilities Guidelines for Planning Authorities (2001);
- 11. Smarter Travel A New Transport Policy for Ireland (2009-2020);

In the current Dun Laoghaire Rathdown County Council Development Plan 2022-2028 the site is zoned "A":To protect and/or improve residential amenity.

The proposal also responds to:

-Policy Res 3: Residential Density:

'It is Council Policy to promote higher residential densities provided that proposals ensure a balance between the reasonable protection of existing residential amenities and the established character of areas, with the need to provide for sustainable residential development. In promoting more compact, good quality, higher density forms of residential development it is Council Policy to have regard to the policies and objectives contained in the following Guidelines:

- -Sustainable Residential Development in Urban Areas (DoEHLG 2009)
- -Urban Design Manual A Best PracticeGuide (DoEHLG)
- -Irish Design Manual for Urban Roads and Streets (DTTaS and DoECLG, 2013)
- -National Climate Change Adaptation Framework Building Resilience to Climate Change (DoECLG, 2013).'

-Policy Res 7: Overall Housing Mix:

'It is Council Policy to encourage the establishment of sustainable residential communities by ensuring that a wide variety of housing and apartment types sizes and tenures is provided within the Country in accordance with the provisions of the Interim Housing Strategy.'

Key deliverables on these policies which the proposed scheme will deliver include:

- Provision of high quality professionally managed accommodation providing 534 residential apartments.
- Enhancement of the protected structure "Barrington Tower", as a central feature of the proposed development creating a focal point on the public zone.
- Provision of generous, high standard residential communal amenity areas both external and internal, including` crèche, Gym, Function Room etc.
- Providing different character communal open space in form of terraced courtyard landscaped gardens, enhancing biodiversity and SUDS, as well as exploiting the natural sharp differences of topography levels.
- Providing two levels of basement car park.
- Minimising vehicular traffic to maximise pedestrian and cycle routes with easy public access to the Luas Station,located at the south of the site.

This Housing Quality Assessment provides a framework which quantifies each of the criteria required by the 'Sustainable Urban Housing Design Standards for New Apartments Guidelines for Planning Authorities' against the proposed development.

Accordingly, where SPPRS are stated in the guidelines' document, they take precedence over any conflicting policies and objectives of development plans, local area plans and strategic development zone planning schemes. Where such conflicts arise, such plans should be amended by the relevant planning authority to reflect the content of these guidelines and properly inform the public of the relevant SPPR requirements.

#### **Apartment Mix**

The mix of residential units within the entire scheme is outlined in the table to the right.

It is noted under the 'Sustainable Urban Housing: Design Standards for New Apartments Guidelines for Planning Authorities' Specific Planning Policy Requirement 8, for proposals that qualify as specific BTR development in accordance with SPPR 7:

- (i) no restrictions on dwelling mix and all other requirements of the guidelines shall apply unless specified otherwise.
- (ii) Flexibility shall apply in relation to the provision of a proportion of the storage and private amenity space associated with individual units as set out in Appendix 1 and in relation to the provision of all of the communal amenity space as set out in Appendix 1, on the basis of the provision of alternative, compensatory communal support facilities and amenities within the development. This shall be at the discretion of the planning authority...
- (iii) There shall be a default of minimal or significantly reduced car parking provision on the basis of BTR development being more suitable for central locations and/or proximity to public transport services...
- (iv) The requirement that the majority of all apartments in a proposed scheme exceed the minimum floor area standards by a minimum of 10% shall not apply to BTR schemes.
- (v) The requirement for a maximum of 12 apartments per floor per core shall not apply to BTR schemes, subject to overall design quality and compliance with building regulations.

					PRO	OPOSED SCHE	DULE OF	UNITS					
				Pi	THE STATE OF THE S	x of Apartmor r of Units)	ents		(	Other Number of U	Jnits)	DUAL	ASPECT
	Proposed number of	Proposed Total Appts per								Commerc	cial Space		
Block	levels	Block	Studio	1 bed	2 bed C	2 bed DB	3 bed	3 bed (P)	Commu nal Internal Space	Creche incl. Bin Store (356.5m²)	Retail incl. Bin Store (336.8 m²)	Total (units)	%
AB	5	40	0	0	40	0	0	0	- 11			33	83%
CD	5	32	0	0	32	0	0	0		1	1	28	88%
E	7+LG	68	0	3	39	24	0	2	1			33	49%
F	9+LG	96	0	10	42	39	1	4				45	47%
G	7+LG	89	14	30	9	20	12	4				38	43%
н	9	99	0	63	32	0	0	4				42	42%
1	5+LG	48	6	16	11	3	8	4	1			23	48%
J	5+LG	62	10	13	17	10	8	4				27	44%

200	No. SV.	Studio	1 bed	2 bed C	2 bed DB	3 bed	3 bed (P)	160	(600)	w 22	
				222	96	29	22				
GRAND TOTAL	534	30	135	3	18		51	2	2	269	50.4%
	100.0%	5.6%	25.3%	41.6%	18.0%	5.4%	4.1%				
	- Andrews			59	.6%		9.6%				

## Apartment Mix - Private Residential

The mix of private residential units within the scheme is outlined in the table to the right.

					ILDULL O. O	INITS TIME	TE RESIDENT	IAL			
	Proposed number of levels	Proposed Total Appts per Block		P	roposed Mi	x of Apartm	ents		DUAL A	SPECT	NORT FACIN ONL
Block			Studio S2P	1 bed 1B2P	2 bed C 2B4P	2 bed DB 2B4P	3 bed 3B6P	3 bed (P) 3B6P	Total	%	Tota
AB	5	36	0	0	36	0	0	0	29	81%	0
CD	5	28	0	0	28	0	0	0	26	93%	0
E	7+LG	61	0	3	35	21	0	2	32	52%	0
F	9+LG	87	0	10	38	34	1	4	42	48%	0
G	7+LG	82	14	30	6	16	12	4	36	44%	0
Н	9	93	0	63	26	0	0	4	39	42%	0
<u> </u>	5+LG	43	6	16	8	1	8	4	20	47%	0
J	5+LG	51	10	13	14	2	8	4	24	47%	0
					404	7.	00				
					191	74	29	22			
GRAND TOTAL		481	30	135	2	65		51	248	51.6%	0
		100.0%	6.2%	28.1%	39.7%	15.4%	6.0%	4.6%			
			acre hectare		55	.1%	1	0.6%			

## Apartment Mix - Part V Residential

The mix of Part V residential units within the scheme is outlined in the table to the right.

ed _										,
				PROPOS	ED SCHEDUL	E OF UNITS -	PART V			
		Proposed number of levels	Proposed Total Appts per Block	Pr	oposed Mix	of Apartme	ents	DUAL A	SPECT	NORTH FACING ONLY
	Block			Studio S2P	1 bed 1B2P	2 bed 2B4P	3 bed 3B6P	Total	%	Total
	AB	5	4	0	0	4	0	4	100%	0
	CD	5	4	0	0	4	0	2	50%	0
	E	7+LG	7	0	0	7	0	1	14%	0
	F	9+LG	9	0	0	9	0	3	33%	0
	G	7+LG	7	0	0	7	0	2	29%	0
	Н	9	6	0	0	6	0	3	50%	0
	1	5+LG	5	0	0	5	0	3	60%	0
L	J	5+LG	11	0	0	11	0	3	27%	0
_				 						
L										
	GRAND TOTAL		53	0	0	53	0	21	39.6%	0

#### **Apartment Floor Areas**

The proposed scheme offers a unique response to the contextual restrictions of this key site which results in a variety of different unit types across the development.

We confirm that all units comply with the requirements of the Sustainable Urban Housing Design Standards for New Apartments 2018.

All individual habitable rooms, floor areas and room widths comply or exceed the design guideline requirements.

Please see Appendix A for full detailed Housing Quality Assessment schedule.

#### **Apartment Design**

Apartment and multi-residential unit development design is constantly evolving, learning from best practice around the globe. New forms of homes are emerging that take into account the current demographic household types and tenures. There is now a need for studio, one bedroom and two bedroom apartments in Dublin city for young professionals, office workers/ teachers/ public servants as affordable rental accommodation.

The 2016 Census indicates that 1-2 person households now comprise a majority of households and this trend is set to continue, yet Ireland has only one-quarter the EU average of apartments as a proportion of housing stock.

The design and layout of unit types are also developing into open plan apartment layouts. These layouts are being made possible through the utilisation of a sprinklered fire prevention strategy which is becoming more common in new apartment developments. The proposed layouts are being developed though consultation with Michael Slattery Associates Fire Consultants and are based on proven layouts.

#### **Apartment Layouts**

The following unit types comprise the typical layouts in the scheme:



CGI View of Proposed Southerly Courtyard Elevation Design

#### **Dual Aspect Ratios**

The scheme was designed from the outset to maximise good sun and day light penetration into the individual apartment units, whilst simultaneously making efforts to protect the privacy of the adjacent properties. The proposed scheme also seeks to take advantage of the spectacular views across greater Dublin area at high level.

The apartment blocks have been aligned on a north-south axis thus presenting the optimum approach to ensure the maximum number of apartments will receive east-west day light.

All apartments with a northern aspect are dual aspect and no single aspect north facing apartments are proposed within the development.

'In suburban or intermediate locations, it is an objective that there shall generally be a minimum of 50% dual aspect apartments in a single scheme.'

The combined apartment blocks A-B, C-D, E, F, G, H, I and J achieve the minimum standard of 50% within their own regard as per the table below:

	Proposed number of levels	Proposed Total Appts per Block		DUAL A	SPECT
Block				Total (units)	%
AB	5	40	П	33	83%
CD	5	32		28	88%
E	7+LG	68		33	49%
F	9+LG	96		45	47%
G	7+LG	89		38	43%
Н	9	99		42	42%
I	5+LG	48		23	48%
J	5+LG	62		27	44%

GRAND	534	269	50.4%
TOTAL	334	200	33.470



Dual aspect units.

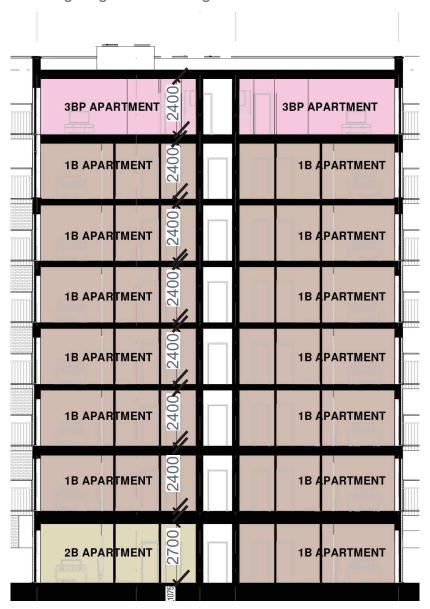
Typical floor layout showing dual aspect units.

For further information on the daylight-sunlight analysis, please refer to the Avison Young report.

#### Floor to Ceiling Height

Sustainable Urban Housing: Design Standards for New Apartment guidelines 2020, section 3.21 requires a minimum floor to ceiling height of 2.4m.

The ground floor units will achieve a minimum floor to ceiling height of 2.7m and all other levels will achieve a minimum floor to ceiling height of 2.4m or greater.



Typical section for any apartment block

#### Lift and Stair Cores

All apartment blocks, A-B, C-D, E, F, G, H, I, and J will comprise no more than 12 units per level per core as stated in the in the design standards for new apartments.

All circulation cores will be within the permitted travel distances for fire escape from apartment entrance doors.

All the apartment blocks have been reviewed by the project fire consultant Michael Slattery & Associates and are in accordance with relevant statutory FSC requirements.

# BACONY | SALCONY | Salcon

Stair/Lift Core.

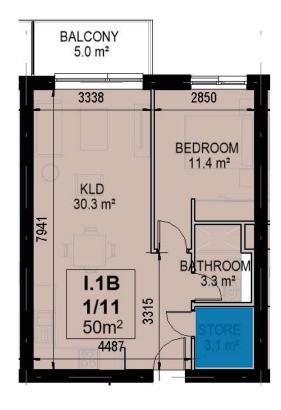
Typical floor level

#### **Internal Storage**

Storage requirements are provided entirely within the apartments.

The storage provided is in addition to kitchen cupboards, bedroom furniture and to minimum aggregate living/dining/kitchen or bedroom floor areas. Individual storage rooms within an apartment do not exceed 3.5 square metres.

The scheme's amenity areas, located at ground floor level of Blocks E and I will have dedicated storage rooms for post and parcel delivery adjacent to the reception areas.



Apt. Storage.



Typical 1 bedroom Unit - 50sqm (3sqm) Dedicated storage space highlighted in Blue.

## **Private Amenity Space**

It is a policy requirement of the Design Standards for New Apartments 2020 and DCC Development Plan 2022-20228 that private open space in the form of gardens or patios/terraces for ground floor apartments and balconies and/or roof terraces at upper levels be provided.

'Balconies should adjoin and have a functional relationship with the main living areas of the apartments. A minimum depth of 1.5m is required for balconies, in one usable length to meet the minimum floor area requirement'

**Deign Standards for New Apartments: BTR Developments**Specific Planning Policy Requirement 8 allows the following in proposals which qualify as specific BTR developments:

'Flexibility shall apply in relation to the provision of a proportion of the storage and private amenity space associated with individual units as set out in Appendix 1 and in relation to the provision of all of the communal amenity space as set out in Appendix 1, on the basis of the provision of alternative, compensatory communal support facilities and amenities within the development'

Appendix 1 sets out the following minimum floor areas for private amenity space:

Studio: 4sqm
One Bed Apartment: 5sqm
Two Bed (3 person) Apartment: 6sqm
Two Bed (4 person) Apartment: 7sqm
Three Bed Apartment: 9sqm

#### Proposal

The proposed scheme provides private amenity space through the use of private balconies and roof terraces in units on levels 1 and above. Private patios will be provided for ground floor apartments in all instances. All private open spaces will achieve and/or exceed the prescribed minimum areas, adjoining the main living spaces of the apartments and will benefit from natural sun light for at least part of the day.

Private Amenity Space





#### **Security Considerations**

Apartment design should provide occupants and their visitors with a sense of safety and security.

We have reviewed and integrated the requirements of 'secure by design' into the development. Passive supervision is key to ensure security on site. All apartment blocks have aspect in different directions including windows that will cover blind corners. Entrances will be well lit and access to the residential units will be controlled with electronic fob through a single point of access located centrally on each block.

The ground floor apartments will have fenced private open space (patios) that will protect them from public and communal areas.

Internal amenity space located at ground and first floor levels of Block E will provide passive surveillance to the public open space around Barrington Tower.

Internal amenity space located at ground and first floor levels of Block I will provide passive surveillance to the southern access of the development facing the Luas line.

#### Proposed Boundary Treatment - Security

The treatment of the boundary between the public realm and the residents communal open space contained within the courtyard spaces has been considered carefully and fully integrated within the proposed landscape plan.

All communal open spaces will be fenced and controlled with electronic fob.

Please refer to Landscape Design Statement prepared by Murray & Associates.

#### **Boundary Treatments**



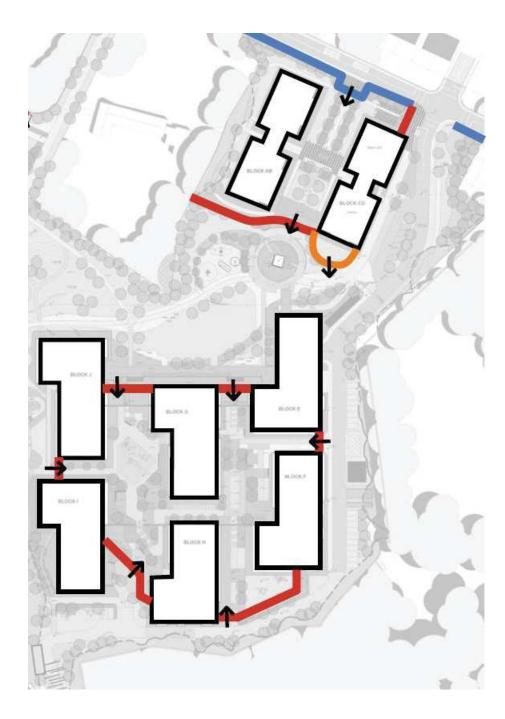
 Stone wall will lower gate to maintain views to the tower.
 Proposed height: 1.8m



Railing softened with planting.

Proposed height: 1.2m.

Crèche garden fence softened with planting. Proposed height: 1.8m.



## Communal Facilities in Apartments.

This section of the report assesses the communal amenity elements of the development against the provisions of the Sustainable Urban Housing Standards for New Apartments:

- Access and Services
- Communal Facilities
- Refuse Storage
- Communal Amenity Space
- Children's Play
- Bicycle Parking and Storage
- Car Parking



#### Access and Services

Pedestrian Access to all buildings will primarily be through the ground floor single point of entry to provide a single point of access control for residents, visitors and service providers.

No user will have to pass through a secondary entrance to access their apartment. A resident services manager will provide concierge and security services at the entrance of Blocks E and I throughout the day.

The primary access route for all residents will be usable by everyone, including children and people with disabilities. Within all the buildings, all levels are served by lifts and stairs suitable for ambulatory disabled users.

The vehicular and cyclist access to the underground parking is achieved by two different independent ramps. From both basements, lifts and stairs give access to the residential units on Blocks E, f, G, J and I. A short walk south of the lower basement will give level access to Block H. Block E's lifts and stairs will allow residents from Block AB and CD to reach their blocks through the external footpaths from both basements.

Corridors will be wide enough to allow two people pass as a minimum, with short lengths and widening at key locations for ease of use by those with wheelchairs or children's buggies.

Primary service risers will be located in common areas for ease of access.

Service rooms will be provided at the entrance point to each block to discreetly house the switch and meter ancillary rooms.

#### **Communal Facilities**

Internal amenity space will be provided at ground and first floor levels of Blocks E and I.

Internal amenity space for block E will be facing the public open space around Barrington Tower in the heart of the proposed development

Internal amenity space for Block I will be addressing the Luas southern access of the site from the Luas Line.

These spaces will enhance the quality of living for occupants establishing a sense of community for the residents and will comprise multifunctional rooms for their exclusive use. This facility will include a concierge desk, secure postal storage, a small kitchen, dining and lounge room, games room, gym, cinema room and toilets. Lounge areas will have direct access to outdoor landscaped terraces.

As support facilities for the residents and the wider community, a retail unit (convenience store) and a crèche is proposed at ground floor level of Block C-D.

Communal amenity spaces and commercial facilities will encourage the use of the public open space, promoting a vibrant hub at the heart of the scheme.







Related images to communal facilities

#### Refuse Storage.

The operational Waste Management Plan for the development has been prepared by AWN Consulting Ltd. with regard to the domestic waste management objectives of Dun Laoghaire-Rathdown Development Plan 2022-2028.

The objective of the Operational Waste Management Plan is to maximise the quantity of waste recycled by providing residents with sufficient waste segregation at source infrastructure (3 bin system in kitchens), waste reduction initiatives, waste collection and waste management information.

Waste storage issues have been considered at the initial apartment design stage to ensure access for all (including people with disabilities) in a brightly lit, safe and well-signed area, spacious enough for easy manoeuvrability.

All communal waste storage areas will accommodate a 3-bin system and will include visible guidelines for residents on how to correctly segregate their wastes. The waste storage facility will be adequately ventilated so as to minimise odours and potential nuisance from vermin/flies. Suitable waste water drainage points will be installed in the receptacle bin storage area for cleaning and desinfecting purposes.

Each building will have access to their own respective bin stores, most of them located at basement level.

These storage areas will be easily accessed by residents, management staff and refuse collectors. Staff will bring the bins from the bin stores to staging designated areas in order to restrict disruption by waste trucks during collection. Sufficient access and egress will be provided to enable receptacles to be moved easily from the storage area to these collection points.

Commercial waste storage (convenient store and crèche) will have independent bins stores with sufficient waste segregation facilities

There will be a commercial refuse management plan implemented as part of the lease of the commercial units.



Refuse carried from upper basement bin store rooms to collection point

Floor Plan: Upper Basement Level



Refuse Store

 Refuse carried from lower basement bin store rooms to collection point

Floor Plan: Lower Basement Level

Refuse Storage.



## **External Communal Amenity Space**

External communal amenity spaces for use by the residents of the scheme will be provided in a number of locations throughout the development. They will include:

Passive surveillance
Enclosed fobbed areas
Landscape treatment
Framed views to the south (Dublin Mountains)
Different activities for each courtyard





Site Plan:External Amenity Space: 4,200m²

## Public Open Space - Childrens Play Area

A children's playground will be contained within the public open space as indicated on the image to the right. It will be overlooked by the adjoining landscaped public space and will include seating areas. The space will be suitably lit in line with the overall site landscape strategy. Please see accompanying landscape report prepared by Murray and Associates for further detail.





Public Open Space: 9,370m²



Children's Play Space

#### Car Parking

The adjacency of the development to the existing Luas stop allows the provision of car parking to be minimised.

General residents car parking and bicycle parking will be located at two basement levels accessed via a vehicle/ pedestrian ramp off the proposed access road to the east of the site.

There will be secure surface car parking spaces located along the access road, provided for use by the commercial areas, staff, visitors and general set down.

There will be 19 surface and 400 basement car parking.

Electrical car charging will be provided to 20% of car parking spaces(84 electrical charging points). In addition, ducting will be provided to all car parking spaces to allow for future EV charging points.

There will be 15 no disabled car parking at basement level conveniently located adjacent to the access cores.

Two additional accessible car parking spaces for higher vehicles will be located at surface level, east of Block F.

#### **Bicycle Parking**

Covered and secure bicycle parking will be provided in two locations for residents:

- At basement levels via bicycle storage rooms containing double deck racks.
- At surface level to serve the commercial areas and visitors.

Please refer to traffic and mobility report prepared by Waterman Moylan Consulting Engineers.



Proposed Site plan showing surface parking

## Car Parking - Bicycle Parking

Proposed Upper Basement Plan



Proposed Lower Basement Plan





Sample caged bicycle storage



Sample covered double deck bicycle rack - for use In basement

# Residential Support / Amenity Area Schedule

		Co		Amenity Sp m²)	ace		10% (	Open Space of 3.81 ha (m²)			Bicy Storage S	Spaces			Park	Car king Spac (units)	ces	Park	otorcycle ing Spac (units)	
		Indoo	r Rea	Outdoor Req.	PROV	IDED		PROVIDED	Total Red (unit				PRO	VIDED		PRO	VIDED		PRO	VIDED
Block	Total Req. (m²)	(2.5m² per Appt) (m²)	Mngmt (m²)	Total less Indoor (m²)	Out door (m²)	In door (m²)	Req. (m²)	Primary and Secondary (m²)	Min.Req TOTAL / per Block (units)	Anci Ilary spaces (units)	Min.Req Residents: 1 per bedroom (units)	Min.Req: Visitors: 1 per 2 units (units)	Basem ent (units)	Surface (units)	Min.Req: 0.7 RATIO (units)	Basem ent (units)	Surface (units)	Min.Req: 4 per 100 car spaces provided (units)	Basem ent (units)	Surface (units)
AB	280	100		180	1,134				100		80	20			28					
CD	224	80		144	.,				80		64	16			22					
E	474	170	75	304		646			169		135	34	185		48					
F	662	240		422					235		187	48	235		67					
G	553 575	223 248		331 328	3,066				195 189		150 139	45 50	150 189		62 69					
H	310	120	75	190	3,000	850			110		86	24	110		34					
	402	155	75	247		830			144		113	31	189		43					
	402	100							177		110		100		40					
									Luas commuters	26				26	Upper	130		Upper		
		1,335	150						Creche Retail	19				182	Lower	270		Lower	17	
		1,4	485	2,145	4,200	1,496			1221	45	954	267	1058	208		400	19		17	0
GRAND TOTAL	3,480				5,6	96	3,810	9,370	126	6			12	266	374	4	19	17		17
	0.35ha				0.57	ha	0.38ha	0.94ha								Ratio	0.78			



Block	Unit No.	Description	Level	Total Units Per Level	Unit Area (m²)	Unit size required area (m²)	Individual Enlargem ent Ratio IRF(%)	Number of Bedrooms	Bed Spaces	Aggregated Living Area (m²)	Aggregated Living Area required (m²)	Aggregat ed Bedroom Area (m²)	Aggregat ed Bedroom Area required (m²)	Storage (m²)	Storage Required (m²)	Dual Aspect	Private (Terrace/ Balcony) Space Provided (m²)	Private (Terrace/ Balcony) Space Required (m²)
AB	0/01	2 BED	Ground Floor		79.4	73	9%	2	4	31.1	30	25	24.4	6.6	6		7.3	7
AB	0/01	2 BED	Ground Floor		81.7	73	12%	2	4	33.5	30	25	24.4	6.6	6	YES	8	7
AB	0/02	2 BED	Ground Floor		83.2	73	14%	2	4	34.7	30	25	24.4	6.6	6	YES	7.3	7
AB	0/03	2 BED	Ground Floor		79.4	73	9%	2	4	31.1	30	25	24.4	6.6	6	TES	7.3	7
AB	0/04	2 BED	Ground Floor		79.4	73	9%	2	4	31.1	30	25	24.4	6.6	6		7.3	7
AB	0/05	2 BED	Ground Floor		83.2	73	14%	2	4	34.7	30	25	24.4	6.6	6	YES	7.3	7
AB	0/00	2 BED	Ground Floor		82.5	73	13%	2	4	34.7	30	25	24.4	6.6	6	YES	7.3	7
AB	0/08	2 BED	Ground Floor		79.4	73	9%	2	4	31.1	30	25	24.4	6.6	6	YES	7.3	7
710	0,00	2 020	Ground Floor	8	648.2	,3	370			31.1	30	23	27.7	0.0	0	123	7.5	,
AB	1/01	2 BED	First Floor		79.4	73	9%	2	4	31.1	30	25	24.4	6.6	6		7.3	7
AB	1/02	2 BED	First Floor		81.7	73	12%	2	4	33.5	30	25	24.4	6.6	6	YES	8	7
AB	1/03	2 BED	First Floor		83.2	73	14%	2	4	34.7	30	25	24.4	6.6	6	YES	7.3	7
AB	1/04	2 BED	First Floor		79.4	73	9%	2	4	31.1	30	25	24.4	6.6	6	YES	7.3	7
AB	1/05	2 BED	First Floor		79.4	73	9%	2	4	31.1	30	25	24.4	6.6	6	YES	7.3	7
AB	1/06	2 BED	First Floor		83.2	73	14%	2	4	34.7	30	25	24.4	6.6	6	YES	7.3	7
AB	1/07	2 BED	First Floor		82.5	73	13%	2	4	34.7	30	25	24.4	6.6	6	YES	7.3	7
AB	1/08	2 BED	First Floor		79.4	73	9%	2	4	31.1	30	25	24.4	6.6	6	YES	7.3	7
W1301 -9				8	648.2				<i>3</i> 77.									
AB	2/01	2 BED	Second Floor		79.4	73	9%	2	4	31.1	30	25	24.4	6.6	6		7.3	7
AB	2/02	2 BED	Second Floor		81.7	73	12%	2	4	33.5	30	25	24.4	6.6	6	YES	8	7
AB	2/03	2 BED	Second Floor		83.2	73	14%	2	4	34.7	30	25	24.4	6.6	6	YES	7.3	7
AB	2/04	2 BED	Second Floor		79.4	73	9%	2	4	31.1	30	25	24.4	6.6	6	YES	7.3	7
AB	2/05	2 BED	Second Floor		79.4	73	9%	2	4	31.1	30	25	24.4	6.6	6	YES	7.3	7
AB	2/06	2 BED	Second Floor		83.2	73	14%	2	4	34.7	30	25	24.4	6.6	6	YES	7.3	7
AB	2/07	2 BED	Second Floor		82.5	73	13%	2	4	34.7	30	25	24.4	6.6	6	YES	7.3	7
AB	2/08	2 BED	Second Floor		79.4	73	9%	2	4	31.1	30	25	24.4	6.6	6	YES	7.3	7
				8	648.2													
AB	3/01	2 BED	Third Floor		79.4	73	9%	2	4	31.1	30	25	24.4	6.6	6		7.3	7
AB	3/02	2 BED	Third Floor		81.7	73	12%	2	4	33.5	30	25	24.4	6.6	6	YES	8	7
AB	3/03	2 BED	Third Floor		83.2	73	14%	2	4	34.7	30	25	24.4	6.6	6	YES	7.3	7
AB	3/04	2 BED	Third Floor		79.4	73	9%	2	4	31.1	30	25	24.4	6.6	6	YES	7.3	7
AB	3/05	2 BED	Third Floor		79.4	73	9%	2	4	31.1	30	25	24.4	6.6	6	YES	7.3	7
AB	3/06	2 BED	Third Floor		83.2	73	14%	2	4	34.7	30	25	24.4	6.6	6	YES	7.3	7
AB	3/07	2 BED	Third Floor		82.5	73	13%	2	4	34.7	30	25	24.4	6.6	6	YES	7.3	7
AB	3/08	2 BED	Third Floor		79.4	73	9%	2	4	31.1	30	25	24.4	6.6	6	YES	7.3	7
				8	648.2													

Block	Unit No.	Description	Level	Total Units Per Level	Unit Area (m²)	(m²)	Individual Enlargem ent Ratio IRF(%)	Number of Bedrooms	Bed Spaces	Aggregated Living Area (m²)	Aggregated Living Area required (m²)	Aggregat ed Bedroom Area (m²)	Aggregat ed Bedroom Area required (m²)	Storage (m²)	Storage Required (m²)	Dual Aspect	Private (Terrace/ Balcony) Space Provided (m²)	Private (Terrace/ Balcony) Space Required (m²)
AB	4/01	2 BED	Fourth Floor		79.4	73	9%	2	4	31.1	30	25	24.4	6.6	6		7.3	7
AB	4/02	2 BED	Fourth Floor		81.7	73	12%	2	4	33.5	30	25	24.4	6.6	6	YES	8	7
AB	4/03	2 BED	Fourth Floor		83.2	73	14%	2	4	34.7	30	25	24.4	6.6	6	YES	7.3	7
AB	4/04	2 BED	Fourth Floor		79.4	73	9%	2	4	31.1	30	25	24.4	6.6	6	YES	7.3	7
AB	4/05	2 BED	Fourth Floor		79.4	73	9%	2	4	31.1	30	25	24.4	6.6	6	YES	7.3	7
AB	4/06	2 BED	Fourth Floor		83.2	73	14%	2	4	34.7	30	25	24.4	6.6	6	YES	7.3	7
AB	4/07	2 BED	Fourth Floor		82.5	73	13%	2	4	34.7	30	25	24.4	6.6	6	YES	7.3	7
AB	4/08	2 BED	Fourth Floor		79.4	73	9%	2	4	31.1	30	25	24.4	6.6	6	YES	7.3	7
				8	648.2													
		STUDIO	0		0													
		1 BED	0		0													
		2 BED	40		3241													
		3 BED	0		0											Ratio		
		50 C C C C C C C C C C C C C C C C C C C														83%		
AB TOTALS				40	3241	2920		80	160	1310	1200	1000	976	264	240	33	295.5	280
					7=1-													
CD	1/01	2 BED	First Floor		79.4	73	9%	2	4	31.1	30	25	24.4	6.6	6	YES	7.3	7
CD	1/02	2 BED	First Floor		79.4	73	9%	2	4	34.7	30	25	24.4	6.6	6	YES	7.3	7
CD	1/03	2 BED	First Floor		81.7	73	12%	2	4	33.5	30	25	24.4	6.6	6	YES	8	7
CD	1/04	2 BED	First Floor		79.4	73	9%	2	4	31.1	30	25	24.4	6.6	6	125	7.3	7
CD	1/05	2 BED	First Floor		79.4	73	9%	2	4	31.1	30	25	24.4	6.6	6	YES	7.3	7
CD	1/06	2 BED	First Floor		82.5	73	13%	2	4	34.7	30	25	24.4	6.6	6	YES	7.3	7
CD	1/07	2 BED	First Floor		83.2	73	14%	2	4	34.7	30	25	24.4	6.6	6	YES	7.3	7
CD	1/08	2 BED	First Floor		79.4	73	9%	2	4	31.1	30	25	24.4	6.6	6	YES	7.3	7
CD	1,00	2 000	1113611001	8	644.4	7.5	370	2		31.1	30	23	27.7	0.0	0	11.5	7.5	
CD	2/01	2 BED	Second Floor		79.4	73	9%	2	4	31.1	30	25	24.4	6.6	6	YES	7.3	7
CD	2/02	2 BED	Second Floor		79.4	73	9%	2	4	34.7	30	25	24.4	6.6	6	YES	7.3	7
CD	2/03	2 BED	Second Floor		81.7	73	12%	2	4	33.5	30	25	24.4	6.6	6	YES	8	7
CD	2/04	2 BED	Second Floor		79.4	73	9%	2	4	31.1	30	25	24.4	6.6	6	165	7.3	7
CD	2/05	2 BED	Second Floor		79.4	73	9%	2	4	31.1	30	25	24.4	6.6	6	YES	7.3	7
CD	2/06	2 BED	Second Floor		82.5	73	13%	2	4	34.7	30	25	24.4	6.6	6	YES	7.3	7
CD	2/07	2 BED	Second Floor		83.2	73	14%	2	4	34.7	30	25	24.4	6.6	6	YES	7.3	7
CD	2/08	2 BED	Second Floor		79.4	73	9%	2	4	31.1	30	25	24.4	6.6	6	YES	7.3	7
	2,00		300011411001	8	644.4	, 3	370	-	•	31.1	30			0.0		123	7.0	
CD	3/01	2 BED	Third Floor		79.4	73	9%	2	4	31.1	30	25	24.4	6.6	6	YES	7.3	7
CD	3/02	2 BED	Third Floor		79.4	73	9%	2	4	34.7	30	25	24.4	6.6	6	YES	7.3	7
CD	3/03	2 BED	Third Floor		81.7	73	12%	2	4	33.5	30	25	24.4	6.6	6	YES	8	7
CD	3/04	2 BED	Third Floor		79.4	73	9%	2	4	31.1	30	25	24.4	6.6	6	, 23	7.3	7
CD	3/05	2 BED	Third Floor		79.4	73	9%	2	4	31.1	30	25	24.4	6.6	6	YES	7.3	7
CD	3/06	2 BED	Third Floor		82.5	73	13%	2	4	34.7	30	25	24.4	6.6	6	YES	7.3	7
CD	3/07	2 BED	Third Floor		83.2	73	14%	2	4	34.7	30	25	24.4	6.6	6	YES	7.3	7
CD	3/08	2 BED	Third Floor		79.4	73	9%	2	4	31.1	30	25	24.4	6.6	6	YES	7.3	7
	3,00	2 000	11111411001	8	644.4	,5	370		<del>-</del>	31.1	30	23	2-17	0.0		123	7.3	
CD	4/01	2 BED	Fourth Floor		79.4	73	9%	2	4	31.1	30	25	24.4	6.6	6	YES	7.3	7
CD	4/02	2 BED	Fourth Floor		79.4	73	9%	2	4	34.7	30	25	24.4	6.6	6	YES	7.3	7
Manager	4/02	2 BED	Fourth Floor		81.7	73	12%	2	4	33.5	30	25	24.4	6.6	6	YES	8	7
1(1)	17,00					<del></del>										113		7
CD	4/04	2 RED	Fourth Floor		79 /	73	Q%		//	4 1 1		1 /5	1 // //	h h			1 4	
CD CD	4/04 4/05	2 BED 2 BED	Fourth Floor Fourth Floor		79.4 79.4	73 73	9% 9%	2	4	31.1 31.1	30 30	25 25	24.4	6.6 6.6	6	YES	7.3 7.3	7

Block	Unit No.	Description	Level	Total Units Per Level	Unit Area (m²)	(m²)	IRF(%)	Number of Bedrooms	Bed Spaces	Aggregated Living Area (m²)	Aggregated Living Area required (m²)	Aggregat ed Bedroom Area (m²)	Aggregat ed Bedroom Area required (m²)	Storage (m²)	Storage Required (m²)	Dual Aspect	Private (Terrace/ Balcony) Space Provided (m²)	Private (Terrace/ Balcony) Space Required (m²)
CD	4/07	2 BED	Fourth Floor		83.2	73	14%	2	4	34.7	30	25	24.4	6.6	6	YES	7.3	7
CD	4/08	2 BED	Fourth Floor		79.4	73	9%	2	4	31.1	30	25	24.4	6.6	6	YES	7.3	7
				8	644.4													
		STUDIO	0		0													
		1 BED	0		0													
		2 BED	32		2577.6													
		3 BED	Ü		0											Ratio		
00 707410					2577.6	2225	-		400	1010	252	200	700.0	244.2	400	88%	225.4	
CD TOTALS				32	2577.6	2336		64	128	1048	960	800	780.8	211.2	192	28	236.4	224
С	-1/01	2 BED	Lower GF		78	73	7%	2	4	30	30	25	24.4	6	6	YES	17	7
F	-1/01	2 BED	Lower GF		78.5	73	8%	2	4	30	30	25	24.4	6.3	6	163	20.5	7
F	-1/02	2 BED	Lower GF		78.5	73	8%	2	4	30	30	25	24.4	6	6	YES	20.6	5
E	-1/03	1 BED	Lower GF		51	45	13%	1	2	31.4	23	11.4	11.4	3.1	3	123	12.8	5
_	1/04	T DED	Lower or	4	286	73	13/0			31.7	25	11.7	11.7	3.1	3		12.0	
E	0/01	2 BED	Ground Floor		78.9	73	8%	2	4	30	30	25	24.4	6	6	YES	16.5	7
E	0/02	2 BED	Ground Floor		78	73	7%	2	4	30	30	25	24.4	6	6	YES	7.4	7
E	0/03	2 BED	Ground Floor		78.5	73	8%	2	4	30	30	25	24.4	6.3	6		7.4	7
E	0/04	2 BED	Ground Floor		78.5	73	8%	2	4	30	30	25	24.4	6	6	YES	7.4	7
E	0/05	2 BED	Ground Floor		77.7	73	6%	2	4	33	30	24.5	24.4	6.6	6		8	7
Е	0/06	2 BED	Ground Floor		78.5	73	8%	2	4	33.8	30	24.5	24.4	6.5	6		8	7
				6	470.1													
Е	1/01	2 BED	First Floor		78.9	73	8%	2	4	30	30	25	24.4	6	6	YES	7.4	7
Е	1/02	2 BED	First Floor		78	73	7%	2	4	30	30	25	24.4	6	6	YES	7.4	7
E	1/03	2 BED	First Floor		78.5	73	8%	2	4	30	30	25	24.4	6.3	6		7.4	7
Е	1/04	2 BED	First Floor		78.5	73	8%	2	4	30	30	25	24.4	6	6	YES	7.4	7
Е	1/05	2 BED	First Floor		77.7	73	6%	2	4	33	30	24.5	24.4	6.6	6		8	7
E	1/06	2 BED	First Floor		78.5	73	8%	2	4	33.8	30	24.5	24.4	6.5	6		8	7
E	1/07	2 BED	First Floor	_	77.7	73	6%	2	4	33.2	30	24.5	24.4	6.3	6		8	7
-	2/01	2.050	0 15	7	547.8	70	00/			2.0	20	25	24.4			\/F6	7.	_
t	2/01	2 BED 2 BED	Second Floor		78.9	73	8%	2	4	30	30	25	24.4	6	6	YES	7.4	7
C C	2/02 2/03	2 BED	Second Floor Second Floor		78 78.5	73 73	7% 8%	2	4	30	30 30	25 25	24.4	6.3	6	YES	7.4	7
F	2/03	2 BED	Second Floor		78.5	73	8%	2	4	30	30	25	24.4	6	6	YES	7.4	7
F	2/05	2 BED	Second Floor		77.7	73	6%	2	4	33	30	24.5	24.4	6.6	6	ILS	8	7
F	2/06	2 BED	Second Floor		78.5	73	8%	2	4	34	30	24.5	24.4	6.2	6		8	7
E	2/07	2 BED	Second Floor		78.5	73	8%	2	4	33.8	30	24.5	24.4	6.6	6		8	7
E	2/08	2 BED	Second Floor		78.4	73	7%	2	4	30	30	25	24.4	6.2	6	YES	7.4	7
E	2/09	2 BED	Second Floor		77.7	73	6%	2	4	30	30	25	24.4	6.2	6	YES	7.4	7
E	2/10	2 BED	Second Floor		78.5	73	8%	2	4	33.8	30	24.5	24.4	6.6	6		8	7
Е	2/11	2 BED	Second Floor		78.5	73	8%	2	4	34	30	24.5	24.4	6.2	6		8	7
				11	861.7													
Е	3/01	2 BED	Third Floor		78.9	73	8%	2	4	30	30	25	24.4	6	6	YES	7.4	7
Е	3/02	2 BED	Third Floor		78	73	7%	2	4	30	30	25	24.4	6	6	YES	7.4	7
Е	3/03	2 BED	Third Floor		78.5	73	8%	2	4	30	30	25	24.4	6.3	6		7.4	7
E	3/04	2 BED	Third Floor		78.5	73	8%	2	4	30	30	25	24.4	6	6	YES	7.4	7
E	3/05	2 BED	Third Floor		77.7	73	6%	2	4	33	30	24.5	24.4	6.6	6		8	7
Е	3/06	2 BED	Third Floor		78.5	73	8%	2	4	34	30	24.5	24.4	6.2	6		8	7
E	3/07	2 BED	Third Floor		78.5	73	8%	2	4	33.8	30	24.5	24.4	6.6	6		8	7

Block	Unit No.	Description	Level	Total Units Per Level	Unit Area (m²)	Unit size required area (m²)	Individual Enlargem ent Ratio IRF(%)	Number of Bedrooms	Bed Spaces	Aggregated Living Area (m²)	Aggregated Living Area required (m²)	Aggregat ed Bedroom Area (m²)	Aggregat ed Bedroom Area required (m²)	Storage (m²)	Storage Required (m²)	Dual Aspect	Private (Terrace/ Balcony) Space Provided (m²)	Private (Terrace/ Balcony) Space Required (m²)
E	3/08	2 BED	Third Floor		78.4	73	7%	2	4	30	30	25	24.4	6.2	6	YES	7.4	7
E	3/09	2 BED	Third Floor		77.7	73	6%	2	4	30	30	25	24.4	6.2	6	YES	7.4	7
E	3/10	2 BED	Third Floor		78.5	73	8%	2	4	33.8	30	24.5	24.4	6.6	6		8	7
E	3/11	2 BED	Third Floor		78.5	73	8%	2	4	34	30	24.5	24.4	6.2	6		8	7
				11	861.7							The state of the s						
Е	4/01	2 BED	Fourth Floor		78.9	73	8%	2	4	30	30	25	24.4	6	6	YES	7.4	7
Е	4/02	2 BED	Fourth Floor		78	73	7%	2	4	30	30	25	24.4	6	6	YES	7.4	7
Е	4/03	2 BED	Fourth Floor		78.5	73	8%	2	4	30	30	25	24.4	6.3	6		7.4	7
Е	4/04	2 BED	Fourth Floor		78.5	73	8%	2	4	30	30	25	24.4	6	6	YES	7.4	7
Е	4/05	2 BED	Fourth Floor		77.7	73	6%	2	4	33	30	24.5	24.4	6.6	6		8	7
Е	4/06	2 BED	Fourth Floor		78.5	73	8%	2	4	34	30	24.5	24.4	6.2	6		8	7
E	4/07	2 BED	Fourth Floor		78.5	73	8%	2	4	33.8	30	24.5	24.4	6.6	6		8	7
Е	4/08	2 BED	Fourth Floor		78.4	73	7%	2	4	30	30	25	24.4	6.2	6	YES	7.4	7
Е	4/09	2 BED	Fourth Floor		77.7	73	6%	2	4	30	30	25	24.4	6.2	6	YES	7.4	7
Е	4/10	2 BED	Fourth Floor		78.5	73	8%	2	4	33.8	30	24.5	24.4	6.6	6		8	7
Е	4/11	2 BED	Fourth Floor		78.5	73	8%	2	4	34	30	24.5	24.4	6.2	6		8	7
				11	861.7													
Е	5/01	2 BED	Fifth Floor		78.9	73	8%	2	4	30	30	25	24.4	6	6	YES	7.4	7
Е	5/02	2 BED	Fifth Floor		78	73	7%	2	4	30	30	25	24.4	6	6	YES	7.4	7
Е	5/03	2 BED	Fifth Floor		78.5	73	8%	2	4	30	30	25	24.4	6.3	6		7.4	7
Е	5/04	2 BED	Fifth Floor		78.5	73	8%	2	4	30	30	25	24.4	6	6	YES	7.4	7
Е	5/05	2 BED	Fifth Floor		77.7	73	6%	2	4	33	30	24.5	24.4	6.6	6		8	7
Е	5/06	2 BED	Fifth Floor		78.5	73	8%	2	4	33.8	30	24.5	24.4	6.6	6		8	7
Е	5/07	3 BED	Fifth Floor		118.8	90	32%	3	6	46.4	34	38.1	31.5	9	9	YES	12.6	9
Е	5/08	3 BED	Fifth Floor		118.8	90	32%	3	6	44.2	34	39	31.5	9	9	YES	12.6	9
Е	5/09	2 BED	Fifth Floor		78.5	73	8%	2	4	33.8	30	24.5	24.4	6.6	6		8	7
				9	786.2													
Е	6/01	2 BED	Fifth Floor		78.9	73	8%	2	4	30	30	25	24.4	6	6	YES	7.4	7
Е	6/02	2 BED	Fifth Floor		78	73	7%	2	4	30	30	25	24.4	6	6	YES	7.4	7
Е	6/03	2 BED	Fifth Floor		78.5	73	8%	2	4	30	30	25	24.4	6.3	6		7.4	7
Е	6/04	2 BED	Fifth Floor		78.5	73	8%	2	4	30	30	25	24.4	6	6	YES	7.4	7
Е	6/05	2 BED	Fifth Floor		77.7	73	6%	2	4	33	30	24.5	24.4	6.6	6		8	7
Е	6/06	1 BED	Sixth Floor		51	45	13%	1	2	31.4	23	11.4	11.4	3.1	3		5	5
E	6/07	2 BED	Sixth Floor		81.5	73	12%	2	4	32.7	30	25	24.4	6.4	6	YES	43.5	7
E	6/08	2 BED	Sixth Floor		80.8	73	11%	2	4	32.7	30	25	24.4	6.3	6	YES	43.5	7
Е	6/09	1 BED	Sixth Floor		51	45	13%	1	2	31.4	23	11.4	11.4	3.1	3		5	5
				9	655.9													
		STUDIO	0		0													
		1 BED	3		153													
		2 BED	63		4940.5													
		3 BED	2		237.6											Ratio		
																49%		
E TOTALS				68	5331.1	4914		135	270	2166.4	2027	1674.3	1634.4	421.1	405	33	645.8	472
F	-1/01	2 BED	Lower GF		79.4	73	9%	2	4	30	30	25	24.4	6	6		20.6	7
F	-1/02	2 BED	Lower GF		77.8	73	7%	2	4	30	30	25	24.4	6	6	YES	41.8	7
F	-1/03	1 BED	Lower GF		49.7	45	10%	1	2	30.1	23	11.4	11.4	3.1	3		13	5
				3	206.9													
F	0/01	2 BED	Ground Floor		79.4	73	9%	2	4	30	30	25	24.4	6	6	YES	7.5	7

Block	Unit No.	Description	Level	Total Units Per Level	Unit Area (m²)	Unit size required area (m²)	Individual Enlargem ent Ratio IRF(%)	Number	Bed Spaces	Aggregated Living Area (m²)	Aggregated Living Area required (m²)	Aggregat ed Bedroom Area (m²)	Aggregat ed Bedroom Area required (m²)	Storage (m²)	Storage Required (m²)	Dual Aspect	Private (Terrace/ Balcony) Space Provided (m²)	Private (Terrace/ Balcony) Space Required (m²)
F	0/02	2 BED	Ground Floor		77.8	73	7%	2	4	30	30	25	24.4	6	6	YES	7.1	7
F	0/03	1 BED	Ground Floor		49.7	45	10%	1	2	30.1	23	11.4	11.4	3.1	3		5	5
F	0/04	2 BED	Ground Floor		77.7	73	6%	2	4	30	30	25	24.4	6	6	YES	7.1	7
F	0/05	2 BED	Ground Floor		77.8	73	7%	2	4	33.1	30	24.5	24.4	6.6	6		7.5	7
F	0/06	2 BED	Ground Floor		78.6	73	8%	2	4	34.3	30	24.5	24.4	6	6		7.5	7
F	0/07	2 BED	Ground Floor		78.6	73	8%	2	4	33.8	30	24.5	24.4	6.6	6		20.3	7
F	0/08	2 BED	Ground Floor		78.4	73	7%	2	4	30	30	25	24.4	6	6	YES	19.9	7
F	0/09	2 BED	Ground Floor		77.7	73	6%	2	4	30	30	25	24.4	6	6	YES	19.5	7
F	0/10	3 BED	Ground Floor		103.4	90	15%	3	6	34	34	37.1	31.5	9.9	9		26.7	9
				10	779.1													
F	1/01	2 BED	First Floor		79.4	73	9%	2	4	30	30	25	24.4	6	6	YES	7.5	7
F	1/02	2 BED	First Floor		77.8	73	7%	2	4	30	30	25	24.4	6	6	YES	7.1	7
F	1/03	1 BED	First Floor		49.7	45	10%	1	2	30.1	23	11.4	11.4	3.1	3		5	5
F	1/04	2 BED	First Floor		77.7	73	6%	2	4	30	30	25	24.4	6	6	YES	7.1	7
F	1/05	2 BED	First Floor		77.8	73	7%	2	4	33.1	30	24.5	24.4	6.6	6		7.5	7
F	1/06	2 BED	First Floor		78.6	73	8%	2	4	34.3	30	24.5	24.4	6	6		7.5	7
F	1/07	2 BED	First Floor		78.6	73	8%	2	4	33.8	30	24.5	24.4	6.6	6		7.5	7
F	1/08	2 BED	First Floor		78.4	73	7%	2	4	30	30	25	24.4	6	6	YES	7.5	7
F	1/09	2 BED	First Floor		77.7	73	6%	2	4	30	30	25	24.4	6	6	YES	7.5	7
F	1/10	2 BED	First Floor		78.6	73	8%	2	4	33.8	30	24.5	24.4	6.6	6		7.5	7
F	1/11	2 BED	First Floor		78.6	73	8%	2	4	34.5	30	24.5	24.4	6	6		7.5	7
				11	832.9													
F	2/01	2 BED	Second Floor		79.4	73	9%	2	4	30	30	25	24.4	6	6	YES	7.5	7
F	2/02	2 BED	Second Floor		77.8	73	7%	2	4	30	30	25	24.4	6	6	YES	7.1	7
F	2/03	1 BED	Second Floor		49.7	45	10%	1	2	30.1	23	11.4	11.4	3.1	3		5	5
F	2/04	2 BED	Second Floor		77.7	73	6%	2	4	30	30	25	24.4	6	6	YES	7.1	7
F	2/05	2 BED	Second Floor		77.8	73	7%	2	4	33.1	30	24.5	24.4	6.6	6		7.5	7
F	2/06	2 BED	Second Floor		78.6	73	8%	2	4	34.3	30	24.5	24.4	6	6		7.5	7
F	2/07	2 BED	Second Floor		78.6	73	8%	2	4	33.8	30	24.5	24.4	6.6	6		7.5	7
F	2/08	2 BED	Second Floor		78.4	73	7%	2	4	30	30	25	24.4	6	6	YES	7.5	7
F	2/09	2 BED	Second Floor		77.7	73	6%	2	4	30	30	25	24.4	6	6	YES	7.5	7
F	2/10	2 BED	Second Floor		78.6	73	8%	2	4	33.8	30	24.5	24.4	6.6	6		7.5	7
F	2/11	2 BED	Second Floor		78.6	73	8%	2	4	34.5	30	24.5	24.4	6	6		7.5	7
2.5				11	832.9							W. C. C.					Section Sectio	
F	3/01	2 BED	Third Floor		79.4	73	9%	2	4	30	30	25	24.4	6	6	YES	7.5	7
F	3/02	2 BED	Third Floor		77.8	73	7%	2	4	30	30	25	24.4	6	6	YES	7.1	7
F	3/03	1 BED	Third Floor		49.7	45	10%	1	2	30.1	23	11.4	11.4	3.1	3		5	5
F	3/04	2 BED	Third Floor		77.7	73	6%	2	4	30	30	25	24.4	6	6	YES	7.1	7
F	3/05	2 BED	Third Floor		77.8	73	7%	2	4	33.1	30	24.5	24.4	6.6	6		7.5	7
F	3/06	2 BED	Third Floor		78.6	73	8%	2	4	34.3	30	24.5	24.4	6	6		7.5	7
F	3/07	2 BED	Third Floor		78.6	73	8%	2	4	33.8	30	24.5	24.4	6.6	6	VES	7.5	7
F	3/08	2 BED	Third Floor		78.4	73	7%	2	4	30	30	25	24.4	6	6	YES	7.5	7
F	3/09	2 BED	Third Floor		77.7	73	6%	2	4	30	30	25	24.4	6	6	YES	7.5	7
F	3/10	2 BED	Third Floor		78.6	73	8%	2	4	33.8	30	24.5	24.4	6.6	6		7.5	7
F	3/11	2 BED	Third Floor		78.6	73	8%	2	4	34.5	30	24.5	24.4	6	6		7.5	7
_	101	2.052	F1	11	832.9								6.1			\		
F	4/01	2 BED	Fourth Floor		79.4	73	9%	2	4	30	30	25	24.4	6	6	YES	7.5	7
F	4/02 4/03	2 BED 1 BED	Fourth Floor Fourth Floor		77.8 49.7	73 45	7% 10%	2	2	30	30	25 11.4	24.4	6 3.1	6	YES	7.1 5	5

# Appendix A. Housing Quality Assessment

Block	Unit No.	Description	Level	Total Units Per Level	Unit Area (m²)	Unit size required area (m²)	Individual Enlargem ent Ratio IRF(%)	Number of Bedrooms	Bed Spaces	Aggregated Living Area (m²)	Aggregated Living Area required (m²)	Aggregat ed Bedroom Area (m²)	Aggregat ed Bedroom Area required (m²)	Storage (m²)	Storage Required (m²)	Dual Aspect	Private (Terrace/ Balcony) Space Provided (m²)	Private (Terrace/ Balcony) Space Required (m²)
F	4/04	2 BED	Fourth Floor		77.7	73	6%	2	4	30	30	25	24.4	6	6	YES	7.1	7
F	4/05	2 BED	Fourth Floor		77.8	73	7%	2	4	33.1	30	24.5	24.4	6.6	6		7.5	7
F	4/06	2 BED	Fourth Floor		78.6	73	8%	2	4	34.3	30	24.5	24.4	6	6		7.5	7
F	4/07	2 BED	Fourth Floor		78.6	73	8%	2	4	33.8	30	24.5	24.4	6.6	6		7.5	7
F	4/08	2 BED	Fourth Floor		78.4	73	7%	2	4	30	30	25	24.4	6	6	YES	7.5	7
F	4/09	2 BED	Fourth Floor		77.7	73	6%	2	4	30	30	25	24.4	6	6	YES	7.5	7
F	4/10	2 BED	Fourth Floor		78.6	73	8%	2	4	33.8	30	24.5	24.4	6.6	6		7.5	7
F	4/11	2 BED	Fourth Floor		78.6	73	8%	2	4	34.5	30	24.5	24.4	6	6		7.5	7
				11	832.9													
F	5/01	2 BED	Fifth Floor		79.4	73	9%	2	4	30	30	25	24.4	6	6	YES	7.5	7
F	5/02	2 BED	Fifth Floor		77.8	73	7%	2	4	30	30	25	24.4	6	6	YES	7.1	7
F	5/03	1 BED	Fifth Floor		49.7	45	10%	1	2	30.1	23	11.4	11.4	3.1	3		5	5
F	5/04	2 BED	Fifth Floor		77.7	73	6%	2	4	30	30	25	24.4	6	6	YES	7.1	7
F	5/05	2 BED	Fifth Floor		77.8	73	7%	2	4	33.1	30	24.5	24.4	6.6	6		7.5	7
F	5/06	2 BED	Fifth Floor		78.6	73	8%	2	4	34.3	30	24.5	24.4	6	6		7.5	7
F	5/07	2 BED	Fifth Floor		78.6	73	8%	2	4	33.8	30	24.5	24.4	6.6	6		7.5	7
F	5/08	2 BED	Fifth Floor		78.4	73	7%	2	4	30	30	25	24.4	6	6	YES	7.5	7
F	5/09	2 BED	Fifth Floor		77.7	73	6%	2	4	30	30	25	24.4	6	6	YES	7.5	7
F	5/10	2 BED	Fifth Floor		78.6	73	8%	2	4	33.8	30	24.5	24.4	6.6	6		7.5	7
F	5/11	2 BED	Fifth Floor		78.6	73	8%	2	4	34.5	30	24.5	24.4	6	6		7.5	7
				11	832.9													
F	6/01	2 BED	Fifth Floor		79.4	73	9%	2	4	30	30	25	24.4	6	6	YES	7.5	7
F	6/02	2 BED	Fifth Floor		77.8	73	7%	2	4	30	30	25	24.4	6	6	YES	7.1	7
F	6/03	1 BED	Fifth Floor		49.7	45	10%	1	2	30.1	23	11.4	11.4	3.1	3		5	5
F	6/04	2 BED	Fifth Floor		77.7	73	6%	2	4	30	30	25	24.4	6	6	YES	7.1	7
F	6/05	2 BED	Fifth Floor		77.8	73	7%	2	4	33.1	30	24.5	24.4	6.6	6		7.5	7
F	6/06	2 BED	Fifth Floor		78.6	73	8%	2	4	34.3	30	24.5	24.4	6	6		7.5	7
F	6/07	2 BED	Fifth Floor		78.6	73	8%	2	4	33.8	30	24.5	24.4	6.6	6		7.5	7
F	6/08	2 BED	Fifth Floor		78.4	73	7%	2	4	30	30	25	24.4	6	6	YES	7.5	7
F	6/09	2 BED	Fifth Floor		77.7	73	6%	2	4	30	30	25	24.4	6	6	YES	7.5	7
F	6/10	2 BED	Fifth Floor		78.6	73	8%	2	4	33.8	30	24.5	24.4	6.6	6		7.5	7
F	6/11	2 BED	Fifth Floor		78.6	73	8%	2	4	34.5	30	24.5	24.4	6	6		7.5	7
				11	832.9													
F	7/01	2 BED	Fifth Floor		79.4	73	9%	2	4	30	30	25	24.4	6	6	YES	7.5	7
F	7/02	2 BED	Fifth Floor		77.8	73	7%	2	4	30	30	25	24.4	6	6	YES	7.1	7
F	7/03	1 BED	Fifth Floor		49.7	45	10%	1	2	30.1	23	11.4	11.4	3.1	3		5	5
F	7/04	2 BED	Fifth Floor		77.7	73	6%	2	4	30	30	25	24.4	6	6	YES	7.1	7
F	7/05	2 BED	Fifth Floor		77.8	73	7%	2	4	33.1	30	24.5	24.4	6.6	6		7.5	7
F	7/06	2 BED	Fifth Floor		78.6	73	8%	2	4	34.3	30	24.5	24.4	6	6		7.5	7
F	7/07	2 BED	Fifth Floor		78.6	73	8%	2	4	33.8	30	24.5	24.4	6.6	6		7.5	7
F	7/08	2 BED	Fifth Floor		78.4	73	7%	2	4	30	30	25	24.4	6	6	YES	7.5	7
F	7/09	2 BED	Fifth Floor		77.7	73	6%	2	4	30	30	25	24.4	6	6	YES	7.5	7
F	7/10	2 BED	Fifth Floor		78.6	73	8%	2	4	33.8	30	24.5	24.4	6.6	6		7.5	7
F	7/11	2 BED	Fifth Floor		78.6	73	8%	2	4	34.5	30	24.5	24.4	6	6		7.5	7
_	- 1-			11	832.9													
F	8/01	3 BED	Eighth Floor		112.9	90	25%	3	6	36.5	34	39.1	31.5	9.2	9	YES	49.2	9
F	8/02	3 BED	Eighth Floor		113.9	90	27%	3	6	36.8	34	39.5	31.5	9.2	9	YES	44.3	9
	8/03	2 BED	Eighth Floor		79.7	73	9%	2	4	30	30	25	24.4	6	6		21.7	7

Block	Unit No.	Description	Level	Total Units Per Level	Unit Area (m²)	Unit size required area (m²)	Individual Enlargem ent Ratio IRF(%)	1 At 1	Bed Spaces	Aggregated Living Area (m²)	Aggregated Living Area required (m²)	Aggregat ed Bedroom Area (m²)	Aggregat ed Bedroom Area required (m²)	Storage (m²)	Storage Required (m²)	Dual Aspect	Private (Terrace/ Balcony) Space Provided (m²)	Private (Terrace/ Balcony) Space Required (m²)
F	8/05	3 BED	Eighth Floor		116.2	90	29%	3	6	39.2	34	40.3	31.5	9.7	9	YES	44.9	9
F	8/06	1 BED	Eighth Floor		62.2	45	38%	1	2	31.5	23	16.4	11.4	3.3	3		14.2	5
				6	595.2													
		STUDIO	0		0													
		1 BED	10		509.5													
		2 BED	81		6345.3													
		3 BED	5		556.7											Ratio		
																47%		
F TOTALS				96	7411.5	6813		187	374	3060.9	2830	2322.7	2247.9	578	474	45	975.5	662
G	-1/01	2 BED	Lower GF		77.7	73	6%	2	4	30	30	25	24.4	6.4	6		19.6	7
G	-1/02	STUDIO	Lower GF		40	37	8%	0	2	32.4	30	n/a	n/a	3.1	3		10.6	4
G	-1/03	1 BED	Lower GF		49.8	45	11%	1	2	26.5	23	11.4	11.4	3.1	3	YES	13.4	5
G	-1/04	1 BED	Lower GF		49.2	45	9%	1	2	26.5	23	11.4	11.4	3	3	YES	13.4	5
G	-1/05	STUDIO	Lower GF		40	37	8%	0	2	32.4	30	n/a	n/a	3.1	3		10.5	4
G	-1/06	1 BED	Lower GF		50	45	11%	1	2	30.3	23	11.4	11.4	3.1	3		13.2	5
G	-1/07	1 BED	Lower GF		50	45	11%	1	2	30.2	23	11.4	11.4	3	3		12.6	5
G	-1/08	2 BED	Lower GF		77.7	73	6%	2	4	32.8	30	24.5	24.4	6.6	6		19.1	7
G	-1/09	2 BED	Lower GF		78	73	7%	2	4	30	30	25	24.4	6	6	YES	20.8	7
				9	512.4													
G	0/01	2 BED	Ground Floor		78.6	73	8%	2	4	33.8	30	24.5	24.4	6.4	6		8	7
G	0/02	1 BED	Ground Floor		50	45	11%	1	2	30.2	23	11.4	11.4	3.1	3		5	5
G	0/03	STUDIO	Ground Floor		40	37	8%	0	2	32.4	30	n/a	n/a	3.1	3		4	4
G	0/04	1 BED	Ground Floor		49.8	45	11%	1	2	26.5	23	11.4	11.4	3.1	3	YES	5	5
G	0/05	1 BED	Ground Floor		49.2	45	9%	1	2	26.5	23	11.4	11.4	3	3	YES	5	5
G	0/06	STUDIO	Ground Floor		40	37	8%	0	2	32.4	30	n/a	n/a	3.1	3		4	4
G	0/07	1 BED	Ground Floor		50	45	11%	1	2	30.2	23	11.4	11.4	3.1	3		5	5
G	0/08	2 BED	Ground Floor		78.6	73	8%	2	4	33.8	30	24.5	24.4	6.4	6		8	7
G	0/09	2 BED	Ground Floor		77.7	73	6%	2	4	33	30	24.5	24.4	6.6	6		8	7
G	0/10	3 BED	Ground Floor		103.5	90	15%	3	6	34	34	40.3	31.5	9.8	9	YES	45.5	9
G	0/11	3 BED	Ground Floor		103.5	90	15%	3	6	34	34	40.3	31.5	9.8	9	YES	45.5	9
G	0/12	2 BED	Ground Floor		78	73	7%	2	4	30	30	25	24.4	6	6	YES	7.6	7
				12	798.9													
G	1/01	2 BED	First Floor		78.6	73	8%	2	4	33.8	30	24.5	24.4	6.4	6		8	7
G	1/02	1 BED	First Floor		50	45	11%	1	2	30.2	23	11.4	11.4	3.1	3		5	5
G	1/03	STUDIO	First Floor		40	37	8%	0	2	32.4	30	n/a	n/a	3.1	3		4	4
G	1/04	1 BED	First Floor		49.8	45	11%	1	2	26.5	23	11.4	11.4	3.1	3	YES	5	5
G	1/05	1 BED	First Floor		49.2	45	9%	1	2	26.5	23	11.4	11.4	3	3	YES	5	5
G	1/06	STUDIO	First Floor		40	37	8%	0	2	32.4	30	n/a	n/a	3.1	3		4	4
G	1/07	1 BED	First Floor		50	45	11%	1	2	30.2	23	11.4	11.4	3.1	3		5	5
G	1/08	2 BED	First Floor		78.6	73	8%	2	4	33.8	30	24.5	24.4	6.4	6		8	7
G	1/09	2 BED	First Floor		77.7	73	6%	2	4	33	30	24.5	24.4	6.6	6		8	7
G	1/10	3 BED	First Floor		103.5	90	15%	3	6	34	34	40.3	31.5	9.8	9	YES	9	9
G	1/11	3 BED	First Floor		103.5	90	15%	3	6	34	34	40.3	31.5	9.8	9	YES	9	9
G	1/12	2 BED	First Floor		78	73	7%	2	4	30	30	25	24.4	6	6	YES	7.6	7
				12	798.9													
G	2/01	2 BED	Second Floor		78.6	73	8%	2	4	33.8	30	24.5	24.4	6.4	6		8	7
G	2/02	1 BED	Second Floor		50	45	11%	1	2	30.2	23	11.4	11.4	3.1	3		5	5
G	2/03	STUDIO	Second Floor		40	37	8%	0	2	32.4	30	n/a	n/a	3.1	3		4	4

Block	Unit No.	Description	Level	Total Units Per Level	Unit Area (m²)	Unit size required area (m²)	Individual Enlargem ent Ratio IRF(%)	Number	Bed Spaces	Aggregated Living Area (m²)	Aggregated Living Area required (m²)	Aggregat ed Bedroom Area (m²)	Aggregat ed Bedroom Area required (m²)	Storage (m²)	Storage Required (m²)	Dual Aspect	Private (Terrace/ Balcony) Space Provided (m²)	Private (Terrace/ Balcony) Space Required (m²)
G	2/04	1 BED	Second Floor		49.8	45	11%	1	2	26.5	23	11.4	11.4	3.1	3	YES	5	5
G	2/05	1 BED	Second Floor		49.2	45	9%	1	2	26.5	23	11.4	11.4	3	3	YES	5	5
G	2/06	STUDIO	Second Floor		40	37	8%	0	2	32.4	30	n/a	n/a	3.1	3		4	4
G	2/07	1 BED	Second Floor		50	45	11%	1	2	30.2	23	11.4	11.4	3.1	3		5	5
G	2/08	2 BED	Second Floor		78.6	73	8%	2	4	33.8	30	24.5	24.4	6.4	6		8	7
G	2/09	2 BED	Second Floor		77.7	73	6%	2	4	33	30	24.5	24.4	6.6	6		8	7
G	2/10	3 BED	Second Floor		103.5	90	15%	3	6	34	34	40.3	31.5	9.8	9	YES	9	9
G	2/11	3 BED	Second Floor		103.5	90	15%	3	6	34	34	40.3	31.5	9.8	9	YES	9	9
G	2/12	2 BED	Second Floor		78	73	7%	2	4	30	30	25	24.4	6	6	YES	7.6	7
	- /			12	798.9			_							-		-	
G	3/01	2 BED	Third Floor		78.6	73	8%	2	4	33.8	30	24.5	24.4	6.4	6		8	7
G	3/02	1 BED	Third Floor		50	45	11%	1	2	30.2	23	11.4	11.4	3.1	3		5	5
G G	3/03 3/04	STUDIO 1 BED	Third Floor		40	37 45	8%	0	2	32.4	30	n/a	n/a	3.1	3	VEC	4	4
G	3/04	1 BED	Third Floor Third Floor		49.8 49.2	45 45	9%	1	2	26.5 26.5	23	11.4 11.4	11.4	3.1	3	YES YES	5	5
G	3/06	STUDIO	Third Floor		49.2	37	8%	0	2	32.4	30	n/a	n/a	3.1	3	TES	4	4
G	3/07	1 BED	Third Floor		50	45	11%	1	2	30.2	23	11.4	11.4	3.1	3		5	5
G	3/08	2 BED	Third Floor		78.6	73	8%	2	4	33.8	30	24.5	24.4	6.4	6		8	7
G	3/09	2 BED	Third Floor		77.7	73	6%	2	4	33	30	24.5	24.4	6.6	6		8	7
G	3/10	3 BED	Third Floor		103.5	90	15%	3	6	34	34	40.3	31.5	9.8	9	YES	9	9
G	3/11	3 BED	Third Floor		103.5	90	15%	3	6	34	34	40.3	31.5	9.8	9	YES	9	9
G	3/12	2 BED	Third Floor		78	73	7%	2	4	30	30	25	24.4	6	6	YES	7.6	7
				12	798.9													
G	4/01	2 BED	Fourth Floor		78.6	73	8%	2	4	33.8	30	24.5	24.4	6.4	6		8	7
G	4/02	1 BED	Fourth Floor		50	45	11%	1	2	30.2	23	11.4	11.4	3.1	3		5	5
G	4/03	STUDIO	Fourth Floor		40	37	8%	0	2	32.4	30	n/a	n/a	3.1	3		4	4
G	4/04	1 BED	Fourth Floor		49.8	45	11%	1	2	26.5	23	11.4	11.4	3.1	3	YES	5	5
G	4/05	1 BED	Fourth Floor		49.2	45	9%	1	2	26.5	23	11.4	11.4	3	3	YES	5	5
G	4/06	STUDIO	Fourth Floor		40	37	8%	0	2	32.4	30	n/a	n/a	3.1	3		4	4
G	4/07	1 BED	Fourth Floor		50	45	11%	1	2	30.2	23	11.4	11.4	3.1	3		.5	5
G	4/08	2 BED	Fourth Floor		78.6	73	8%	2	4	33.8	30	24.5	24.4	6.4	6		8	7
G	4/09	2 BED	Fourth Floor		77.7	73	6%	2	4	33	30	24.5	24.4	6.6	6	145	8	7
G	4/10	3 BED	Fourth Floor		103.5	90	15%	3	6	34	34	40.3	31.5	9.8	9	YES	9	9
G G	4/11 4/12	3 BED 2 BED	Fourth Floor		103.5	90 73	15%	3	6 4	34	34	40.3	31.5	9.8	9	YES	9 7.6	7
G	4/12	Z BED	Fourth Floor	12	78 798.9	/3	7%	2	4	30	30	25	24.4	6	6	YES	7.6	/
G	5/01	2 BED	Fifth Floor	12	798.9	73	8%	2	4	33.8	30	24.5	24.4	6.4	6		8	7
G	5/02	1 BED	Fifth Floor		50	45	11%	1	2	30.2	23	11.4	11.4	3.1	3		5	5
G	5/03	STUDIO	Fifth Floor		40	37	8%	0	2	32.4	30	n/a	n/a	3.1	3		4	4
G	5/04	1 BED	Fifth Floor		49.8	45	11%	1	2	26.5	23	11.4	11.4	3.1	3	YES	5	5
G	5/05	1 BED	Fifth Floor		49.2	45	9%	1	2	26.5	23	11.4	11.4	3	3	YES	5	5
G	5/06	STUDIO	Fifth Floor		40	37	8%	0	2	32.4	30	n/a	n/a	3.1	3		4	4
G	5/07	1 BED	Fifth Floor		50	45	11%	1	2	30.2	23	11.4	11.4	3.1	3		5	5
G	5/08	2 BED	Fifth Floor		78.6	73	8%	2	4	33.8	30	24.5	24.4	6.4	6		8	7
G	5/09	1 BED	Fifth Floor		50	45	11%	1	2	30.3	23	11.4	11.4	3.1	3		8	5
G	5/10	3 BED	Fifth Floor		131.2	90	46%	3	6	52.5	34	40.1	31.5	9.4	9	YES	9	9
G	5/11	3 BED	Fifth Floor		103.5	90	15%	3	6	34	34	40.3	31.5	9.8	9	YES	9	9
G	5/12	2 BED	Fifth Floor		78	73	7%	2	4	30	30	25	24.4	6	6	YES	7.6	7
				12	798.9													

Block	Unit No.	Description	Level	Total Units Per Level	Unit Area (m²)	Unit size	Individual Enlargem ent Ratio IRF(%)	Number of Bedrooms	Bed Spaces	Aggregated Living Area (m²)	Aggregated Living Area required (m²)	Aggregat ed Bedroom Area (m²)	Aggregat ed Bedroom Area required (m²)	Storage (m²)	Storage Required (m²)	Dual Aspect	Private (Terrace/ Balcony) Space Provided (m²)	Private (Terrace/ Balcony) Space Required (m²)
G	6/01	2 BED	Sixth Floor		78.6	73	8%	2	4	33.8	30	24.5	24.4	6.4	6		8	7
G	6/02	3 BED	Sixth Floor		114	90	27%	3	6	39.8	34	38	31.5	9.2	9	YES	16.5	9
G	6/03	3 BED	Sixth Floor		113.3	90	26%	3	6	39.8	34	38	31.5	9.2	9	YES	16.5	9
G	6/04	2 BED	Sixth Floor		78.6	73	8%	2	4	33.8	30	24.5	24.4	6.4	6		8	7
G	6/05	1 BED	Sixth Floor		49.8	45	11%	1	2	30.3	23	11.4	11.4	3.1	3		8	5
G	6/06	3 BED	Sixth Floor		131.2	90	46%	3	6	52.5	34	40.1	31.5	9.4	9	YES	9	9
G	6/07	3 BED	Sixth Floor		103.5	90	15%	3	6	34	34	40.3	31.5	9.8	9	YES	9	9
G	6/08	2 BED	Sixth Floor		78	73	7%	2	4	30	30	25	24.4	6	6	YES	7.6	7
				8	747													
		STUDIO	14		560													
		1 BED	30		1492.8													
		2 BED	29		2268.3													
		3 BED	16		1731.7											Ratio		
																43%		
G TOTALS				89	6052.8	5425		136	300	2841.7	2524	1696.8	1553.6	474	450	38	754.4	553
Н	0/01	2 BED	Ground Floor		81.5	73	12%	2	4	31.1	30	25	24.4	6.2	6	YES	7.5	7
Н	0/02	2 BED	Ground Floor		78.8	73	8%	2	4	30	30	25	24.4	6	6	YES	7.5	7
Н	0/03	1 BED	Ground Floor		49.7	45	10%	1	2	30.1	23	11.4	11.4	3.1	3		5	5
Н	0/04	2 BED	Ground Floor		77.7	73	6%	2	4	30	30	25	24.4	6	6	YES	7.5	7
Н	0/05	1 BED	Ground Floor		54.4	45	21%	1	2	34.7	23	11.4	11.4	3.1	3		14.2	5
Н	0/06	1 BED	Ground Floor		50	45	11%	1	2	26.7	23	11.4	11.4	3.1	3		13.1	5
Н	0/07	1 BED	Ground Floor		50	45	11%	1	2	30.3	23	11.4	11.4	3.1	3		13.1	5
Н	0/08	1 BED	Ground Floor		50	45	11%	1	2	30.3	23	11.4	11.4	3.1	3		13.1	5
Н	0/09	1 BED	Ground Floor		50	45	11%	1	2	26.7	23	11.4	11.4	3.1	3		13.6	5
Н	0/10	1 BED	Ground Floor		49.3	45	10%	1	2	26.7	23	11.4	11.4	3	3		13.6	5
Н	0/11	2 BED	Ground Floor		78.5	73	8%	2	4	30	30	25	24.4	6.4	6		19.7	7
				11	669.9													
	1/01	2 BED	First Floor		81.5	73	12%	2	4	31.1	30	25	24.4	6.2	6	YES	7.5	7
	1/02	2 BED	First Floor		78.8	73	8%	2	4	30	30	25	24.4	6	6	YES	7.5	7
	1/03	1 BED	First Floor	х	49.7	45	10%	1	2	30.1	23	11.4	11.4	3.1	3		5	5
	1/04	2 BED	First Floor		77.7	73	6%	2	4	30	30	25	24.4	6	6	YES	7.5	7
	1/05	1 BED	First Floor		54.4	45	21%	1	2	34.7	23	11.4	11.4	3.1	3		5	5
	1/06	1 BED	First Floor		50	45	11%	1	2	26.7	23	11.4	11.4	3.1	3		5	5
	1/07	1 BED	First Floor		50	45	11%	1	2	30.3	23	11.4	11.4	3.1	3		5	5
	1/08	1 BED	First Floor		50	45	11%	1	2	30.3	23	11.4	11.4	3.1	3		5	5
	1/09	1 BED	First Floor		50	45	11%	1	2	26.7	23	11.4	11.4	3.1	3	YES	5	5
	1/10	1 BED	First Floor		49.3	45	10%	1	2	26.7	23	11.4	11.4	3	3	YES	5	5
	1/11	1 BED	First Floor		50	45	11%	1	2	30.2	23	11.4	11.4	3.1	3		5	5
Н	1/12	2 BED	First Floor	4 -	78.5	73	8%	2	4	30	30	25	24.4	6.4	6		8	7
	2/04	2.055	0 1-1	12	719.9											\		
	2/01	2 BED	Second Floor		81.5	73	12%	2	4	31.1	30	25	24.4	6.2	6	YES	7.5	7
	2/02	2 BED	Second Floor		78.8	73	8%	2	4	30	30	25	24.4	6	6	YES	7.5	7
	2/03	1 BED	Second Floor		49.7	45	10%	1	2	30.1	23	11.4	11.4	3.1	3	VEC	5	5
	2/04	2 BED	Second Floor		77.7	73	6%	2	4	30	30	25	24.4	6	6	YES	7.5	7
	2/05 2/06	1 BED	Second Floor		54.4	45	21%	1	2	34.7	23	11.4	11.4	3.1	3		5	5
	177Uh	1 BED	Second Floor		50	45	11%	1	2	26.7	23	11.4	11.4	3.1	3		5	5
	2/07	1 BED	Second Floor		50	45	11%	1	2	30.3	23	11.4	11.4	3.1	3		5	5

Block	Unit No.	Description	Level	Total Units Per Level	Unit Area (m²)	Unit size required area (m²)	Individual Enlargem ent Ratio IRF(%)	Number of Bedrooms	Bed Spaces	Aggregated Living Area (m²)	Aggregated Living Area required (m²)	Aggregat ed Bedroom Area (m²)	Bedroom	Storage (m²)	Storage Required (m²)	Dual Aspect	Private (Terrace/ Balcony) Space Provided (m²)	Private (Terrace/ Balcony) Space Required (m²)
Н	2/09	1 BED	Second Floor		50	45	11%	1	2	26.7	23	11.4	11.4	3.1	3	YES	5	5
Н	2/10	1 BED	Second Floor		49.3	45	10%	1	2	26.7	23	11.4	11.4	3	3	YES	5	5
Н	2/11	1 BED	Second Floor		50	45	11%	1	2	30.2	23	11.4	11.4	3.1	3		5	5
Н	2/12	2 BED	Second Floor		78.5	73	8%	2	4	30	30	25	24.4	6.4	6		8	7
				12	719.9													
Н	3/01	2 BED	Third Floor		81.5	73	12%	2	4	31.1	30	25	24.4	6.2	6	YES	7.5	7
Н	3/02	2 BED	Third Floor		78.8	73	8%	2	4	30	30	25	24.4	6	6	YES	7.5	7
Н	3/03	1 BED	Third Floor		49.7	45	10%	1	2	30.1	23	11.4	11.4	3.1	3		5	5
Н	3/04	2 BED	Third Floor		77.7	73	6%	2	4	30	30	25	24.4	6	6	YES	7.5	7
Н	3/05	1 BED	Third Floor		54.4	45	21%	1	2	34.7	23	11.4	11.4	3.1	3		5	5
Н	3/06	1 BED	Third Floor		50	45	11%	1	2	26.7	23	11.4	11.4	3.1	3		5	5
Н	3/07	1 BED	Third Floor		50	45	11%	1	2	30.3	23	11.4	11.4	3.1	3		5	5
Н	3/08	1 BED	Third Floor		50	45	11%	1	2	30.3	23	11.4	11.4	3.1	3		5	5
Н	3/09	1 BED	Third Floor		50	45	11%	1	2	26.7	23	11.4	11.4	3.1	3	YES	5	5
Н	3/10	1 BED	Third Floor		49.3	45	10%	1	2	26.7	23	11.4	11.4	3	3	YES	5	5
Н	3/11	1 BED	Third Floor		50	45	11%	1	2	30.2	23	11.4	11.4	3.1	3		5	5
Н	3/12	2 BED	Third Floor		78.5	73	8%	2	4	30	30	25	24.4	6.4	6		8	7
				12	719.9													
Н	4/01	2 BED	Fourth Floor		81.5	73	12%	2	4	31.1	30	25	24.4	6.2	6	YES	7.5	7
Н	4/02	2 BED	Fourth Floor		78.8	73	8%	2	4	30	30	25	24.4	6	6	YES	7.5	7
Н	4/03	1 BED	Fourth Floor		49.7	45	10%	1	2	30.1	23	11.4	11.4	3.1	3		5	5
Н	4/04	2 BED	Fourth Floor		77.7	73	6%	2	4	30	30	25	24.4	6	6	YES	7.5	7
Н	4/05	1 BED	Fourth Floor		54.4	45	21%	1	2	34.7	23	11.4	11.4	3.1	3		5	5
Н	4/06	1 BED	Fourth Floor		50	45	11%	1	2	26.7	23	11.4	11.4	3.1	3		5	5
Н	4/07	1 BED	Fourth Floor		50	45	11%	1	2	30.3	23	11.4	11.4	3.1	3		5	5
Н	4/08	1 BED	Fourth Floor		50	45	11%	1	2	30	23	11.4	11.4	3.1	3		5	5
Н	4/09	1 BED	Fourth Floor		50	45	11%	1	2	26.7	23	11.4	11.4	3.1	3	YES	5	5
Н	4/10	1 BED	Fourth Floor		49.3	45	10%	1	2	26.7	23	11.4	11.4	3	3	YES	5	5
Н	4/11	1 BED	Fourth Floor		50	45	11%	1	2	30.2	23	11.4	11.4	3.1	3		5	5
Н	4/12	2 BED	Fourth Floor		78.5	73	8%	2	4	30	30	25	24.4	6.4	6		8	7
				12	719.9													
Н	5/01	2 BED	Fifth Floor		81.5	73	12%	2	4	31.1	30	25	24.4	6.2	6	YES	7.5	7
Н	5/02	2 BED	Fifth Floor		78.8	73	8%	2	4	30	30	25	24.4	6	6	YES	7.5	7
Н	5/03	1 BED	Fifth Floor		49.7	45	10%	1	2	30.1	23	11.4	11.4	3.1	3		5	5
Н	5/04	2 BED	Fifth Floor		77.7	73	6%	2	4	30	30	25	24.4	6	6	YES	7.5	7
Н	5/05	1 BED	Fifth Floor		54.4	45	21%	1	2	34.7	23	11.4	11.4	3.1	3		5	5
Н	5/06	1 BED	Fifth Floor		50	45	11%	1	2	26.7	23	11.4	11.4	3.1	3		5	5
Н	5/07	1 BED	Fifth Floor		50	45	11%	1	2	30.3	23	11.4	11.4	3.1	3		5	5
Н	5/08	1 BED	Fifth Floor		50	45	11%	1	2	30.3	23	11.4	11.4	3.1	3		5	5
Н	5/09	1 BED	Fifth Floor		50	45	11%	1	2	26.7	23	11.4	11.4	3.1	3	YES	5	5
Н	5/10	1 BED	Fifth Floor		49.3	45	10%	1	2	26.7	23	11.4	11.4	3	3	YES	5	5
Н	5/11	1 BED	Fifth Floor		50	45	11%	1	2	30.2	23	11.4	11.4	3.1	3		5	5
Н	5/12	2 BED	Fifth Floor		78.5	73	8%	2	4	30	30	25	24.4	6.4	6		8	7
				12	719.9													
Н	6/01	2 BED	Sixth Floor		81.5	73	12%	2	4	31.1	30	25	24.4	6.2	6	YES	7.5	7
Н	6/02	2 BED	Sixth Floor		78.8	73	8%	2	4	30	30	25	24.4	6	6	YES	7.5	7
Н	6/03	3 BED	Sixth Floor		130	90	44%	3	6	50.8	34	42.8	31.5	9.1	9	YES	12.5	9
Н	6/04	1 BED	Sixth Floor		54.4	45	21%	1	2	34.7	23	11.4	11.4	3.1	3		5	5
Н	6/05	1 BED	Sixth Floor		50	45	11%	1	2	26.7	23	11.4	11.4	3.1	3		5	5

Block	Unit No.	Description	Level	Total Units Per Level	Unit Area (m²)	Unit size required area (m²)	Individual Enlargem ent Ratio IRF(%)	Number	Bed Spaces	Aggregated Living Area (m²)	Aggregated Living Area required (m²)	Aggregat ed Bedroom Area (m²)	Aggregat ed Bedroom Area required (m²)	Storage (m²)	Storage Required (m²)	Dual Aspect	Private (Terrace/ Balcony) Space Provided (m²)	Private (Terrace/ Balcony) Space Required (m²)
Н	6/06	1 BED	Sixth Floor		50	45	11%	1	2	30.3	23	11.4	11.4	3.1	3		5	5
Н	6/07	1 BED	Sixth Floor		50	45	11%	1	2	30.3	23	11.4	11.4	3.1	3		5	5
Н	6/08	1 BED	Sixth Floor		50	45	11%	1	2	26.7	23	11.4	11.4	3.1	3	YES	5	5
Н	6/09	1 BED	Sixth Floor		49.3	45	10%	1	2	26.7	23	11.4	11.4	3	3	YES	5	5
Н	6/10	1 BED	Sixth Floor		50	45	11%	1	2	30.2	23	11.4	11.4	3.1	3		5	5
Н	6/11	2 BED	Sixth Floor		78.5	73	8%	2	4	30	30	25	24.4	6.4	6		8	7
				11	722.5													
Н	7/01	2 BED	Seventh Floor		81.5	73	12%	2	4	31.1	30	25	24.4	6.2	6	YES	7.5	7
Н	7/02	2 BED	Seventh Floor		78.8	73	8%	2	4	30	30	25	24.4	6	6	YES	7.5	7
Н	7/03	3 BED	Seventh Floor		130	90	44%	3	6	50.8	34	42.8	31.5	9.1	9	YES	12.5	9
Н	7/04	1 BED	Seventh Floor		54.4	45	21%	1	2	34.7	23	11.4	11.4	3.1	3		5	5
Н	7/05	1 BED	Seventh Floor		50	45	11%	1	2	26.7	23	11.4	11.4	3.1	3		5	5
Н	7/06	1 BED	Seventh Floor		50	45	11%	1	2	30.3	23	11.4	11.4	3.1	3		5	5
Н	7/07	1 BED	Seventh Floor		50	45	11%	1	2	30.3	23	11.4	11.4	3.1	3		5	5
Н	7/08	1 BED	Seventh Floor		50	45	11%	1	2	26.7	23	11.4	11.4	3.1	3	YES	5	5
Н	7/09	1 BED	Seventh Floor		49.3	45	10%	1	2	26.7	23	11.4	11.4	3	3	YES	5	5
Н	7/10	1 BED	Seventh Floor		50	45	11%	1	2	30.2	23	11.4	11.4	3.1	3		5	5
Н	7/11	2 BED	Seventh Floor		78.5	73	8%	2	4	30	30	25	24.4	6.4	6		8	7
				11	722.5													
Н	8/01	3 BED	Eighth Floor		113	90	26%	3	6	40.2	34	38.6	31.5	9	9	YES	54.9	9
Н	8/02	3 BED	Eighth Floor		113.2	90	26%	3	6	39.3	34	38.6	31.5	10.2	9	YES	44.7	9
Н	8/03	1 BED	Eighth Floor		50	45	11%	1	2	23.2	23	12.7	11.5	3.5	3		14.3	5
Н	8/04	2 BED	Eighth Floor		80	73	10%	2	4	31.1	30	26.6	24.4	6.1	6	YES	42	7
Н	8/05	2 BED	Eighth Floor		78.6	73	8%	2	4	31.8	30	25.2	24.4	6.3	6	YES	43.1	7
Н	8/06	1 BED	Eighth Floor		50	45	11%	1	2	23.2	23	11.5	11.4	3.5	3		14.3	5
				6	484.8													
		STUDIO	0		0													
		1 BED	63		3177.8													
		2 BED	32		2535.2													
		3 BED	4		486.2											Ratio		
																42%		
H TOTALS				99	6199.2	5531		139	278	2994.1	2545	1684.2	1625.1	429.9	417	42	834.7	575
I	0/01	2 BED	Ground Floor		78	73	7%	2	4	30	30	25	24.4	6	6	YES	8	7
1	0/02	3 BED	Ground Floor		103.5	90	15%	3	6	34	34	39	31.5	9.5	9	YES	9	9
I	0/03	3 BED	Ground Floor		103.5	90	15%	3	6	34	34	39	31.5	9.5	9	YES	9	9
l	0/04	2 BED	Ground Floor		77.7	73	6%	2	4	33.2	30	24.5	24.4	6.6	6		7.5	7
				4	362.7													
I	1/01	2 BED	First Floor		78	73	7%	2	4	30	30	25	24.4	6	6	YES	8	7
I	1/02	3 BED	First Floor		103.5	90	15%	3	6	34	34	39	31.5	9.5	9	YES	9	9
I	1/03	3 BED	First Floor		103.5	90	15%	3	6	34	34	39	31.5	9.5	9	YES	9	9
ļ	1/04	2 BED	First Floor		77.7	73	6%	2	4	33.2	30	24.5	24.4	6.6	6		7.5	7
I	1/05	1 BED	First Floor		50	45	11%	1	2	26.8	23	11.4	11.4	3.1	3		5	5
I	1/06	1 BED	First Floor		50	45	11%	1	2	30.3	23	11.4	11.4	3	3		5	5
I	1/07	STUDIO	First Floor		40	37	8%	0	2	32.4	30	n/a	n/a	3.1	3		4	4
1	1/08	2 BED	First Floor		77.7	73	6%	2	4	30	30	25	24.4	6.2	6	YES	7.5	7
l	1/09	2 BED	First Floor		78.5	73	8%	2	4	30	30	25	24.4	6.2	6	YES	7.5	7
l	1/10	STUDIO	First Floor		40	37	8%	0	2	32.4	30	n/a	n/a	3.1	3		4	4
	1/11	1 BED	First Floor		50	45	11%	1	2	30.3	23	11.4	11.4	3.1	3		5	5

Block	Unit No.	Description	Level	Total Units Per Level	Unit Area (m²)	Unit size required area (m²)	Individual Enlargem ent Ratio IRF(%)	Number of Bedrooms	Bed Spaces	Aggregated Living Area (m²)	Aggregated Living Area required (m²)	Aggregat ed Bedroom Area (m²)	Aggregat ed Bedroom Area required (m²)	Storage (m²)	Storage Required (m²)	Dual Aspect	Private (Terrace/ Balcony) Space Provided (m²)	Private (Terrace/ Balcony) Space Required (m²)
I	1/12	1 BED	First Floor		50	45	11%	1	2	26.8	23	11.4	11.4	3.1	3		5	5
				12	798.9													
I	2/01	2 BED	Second Floor		78	73	7%	2	4	30	30	25	24.4	6	6	YES	8	7
1	2/02	3 BED	Second Floor		103.5	90	15%	3	6	34	34	39	31.5	9.5	9	YES	9	9
I	2/03	3 BED	Second Floor		103.5	90	15%	3	6	34	34	39	31.5	9.5	9	YES	9	9
1	2/04	2 BED	Second Floor		77.7	73	6%	2	4	33.2	30	24.5	24.4	6.6	6		7.5	7
I	2/05	1 BED	Second Floor		50	45	11%	1	2	26.8	23	11.4	11.4	3.1	3		5	5
I	2/06	1 BED	Second Floor		50	45	11%	1	2	30.3	23	11.4	11.4	3	3		5	5
I	2/07	STUDIO	Second Floor		40	37	8%	0	2	32.4	30	n/a	n/a	3.1	3		4	4
I	2/08	2 BED	Second Floor		77.7	73	6%	2	4	30	30	25	24.4	6.2	6	YES	7.5	7
I	2/09	2 BED	Second Floor		78.5	73	8%	2	4	30	30	25	24.4	6.2	6	YES	7.5	7
I	2/10	STUDIO	Second Floor		40	37	8%	0	2	32.4	30	n/a	n/a	3.1	3		4	4
I	2/11	1 BED	Second Floor		50	45	11%	1	2	30.3	23	11.4	11.4	3.1	3		5	5
I	2/12	1 BED	Second Floor		50	45	11%	1	2	26.8	23	11.4	11.4	3.1	3		5	5
				12	798.9													
I	3/01	2 BED	Third Floor		78	73	7%	2	4	30	30	25	24.4	6	6	YES	8	7
I	3/02	3 BED	Third Floor		103.5	90	15%	3	6	34	34	39	31.5	9.5	9	YES	9	9
1	3/03	3 BED	Third Floor		131	90	46%	3	6	53.5	34	40.8	31.5	9	9	YES	9	9
I	3/04	1 BED	Third Floor		50	45	11%	1	2	30.3	23	11.4	11.4	3.1	3		7.5	5
I	3/05	1 BED	Third Floor		50	45	11%	1	2	26.8	23	11.4	11.4	3.1	3		5	5
I	3/06	1 BED	Third Floor		50	45	11%	1	2	30.3	23	11.4	11.4	3	3		5	5
1	3/07	STUDIO	Third Floor		40	37	8%	0	2	32.4	30	n/a	n/a	3.1	3		4	4
I	3/08	2 BED	Third Floor		77.7	73	6%	2	4	30	30	25	24.4	6.2	6	YES	7.5	7
I	3/09	2 BED	Third Floor		78.5	73	8%	2	4	30	30	25	24.4	6.2	6	YES	7.5	7
I	3/10	STUDIO	Third Floor		40	37	8%	0	2	32.4	30	n/a	n/a	3.1	3		4	4
1	3/11	1 BED	Third Floor		50	45	11%	1	2	30.3	23	11.4	11.4	3.1	3		5	5
ı	3/12	1 BED	Third Floor		50	45	11%	1	2	26.8	23	11.4	11.4	3.1	3		5	5
				12	798.7													
I	4/01	2 BED	Fourth Floor		78	73	7%	2	4	30	30	25	24.4	6	6	YES	8	7
Į	4/02	3 BED	Fourth Floor		103.5	90	15%	3	6	34	34	39	31.5	9.5	9	YES	9	9
ı	4/03	3 BED	Fourth Floor		131	90	46%	3	6	53.5	34	40.8	31.5	9	9	YES	9	9
I	4/04	1 BED	Fourth Floor		50	45	11%	1	2	30.3	23	11.4	11.4	3.1	3		7.5	5
I	4/05	1 BED	Fourth Floor		50	45	11%	1	2	30.5	23	11.4	11.4	3.1	3		5	5
ļ.	4/06	3 BED	Fourth Floor		115.3	90	28%	3	6	41.8	34	38	31.5	9.5	9	YES	37.5	9
I	4/07	3 BED	Fourth Floor		116	90	29%	3	6	41.8	34	38	31.5	9.7	9	YES	37.5	9
I	4/08	1 BED	Fourth Floor		50	45	11%	1	2	30.5	23	11.4	11.4	3.1	3		5	5
				8	693.8													
		STUDIO	6		240													
		1 BED	16		800													
		2 BED	14		1091.7													
		3 BED	12		1321.3											Ratio		
																48%		
I TOTALS				48	3453	3044		80	172	1550.8	1376	1000.5	902	268.1	258	23	381.5	310
J	-1/01	1 BED	Lower GF		50	45	11%	1	2	30.3	23	11.4	11.4	3.1	3		12.9	5
J	-1/02	STUDIO	Lower GF		40	37	8%	0	2	32.5	30	n/a	n/a	3.1	3		10.8	4
J	-1/03	2 BED	Lower GF		79.5	73	9%	2	4	30	30	25	24.4	6.1	6	YES	21.4	5
J	-1/04	2 BED	Lower GF		80.2	73	10%	2	4	30	30	25	24.4	6.5	6	YES	20.4	7
J	-1/05	STUDIO	Lower GF		40	37	8%	0	2	32.5	30	n/a	n/a	3.1	3		10.3	4

Block	Unit No.	Description	Level	Total Units Per Level	Unit Area (m²)	Unit size required area (m²)	Individual Enlargem ent Ratio IRF(%)	Number of Bedrooms	Bed Spaces	Aggregated Living Area (m²)	Aggregated Living Area required (m²)	Aggregat ed Bedroom Area (m²)	Aggregat ed Bedroom Area required (m²)	Storage (m²)	Storage Required (m²)	Dual Aspect	Private (Terrace/ Balcony) Space Provided (m²)	Private (Terrace/ Balcony) Space Required (m²)
J	-1/06	1 BED	Lower GF		50	45	11%	1	2	30.3	23	11.4	11.4	3.1	3		12.7	5
J	-1/07	1 BED	Lower GF		50	45	11%	1	2	30.2	23	11.4	11.4	3	3		12.1	5
				7	389.7													
J	0/01	2 BED	Ground Floor		80.2	73	10%	2	4	31.2	30	24.8	24.4	6	6		20.3	7
J	0/02	1 BED	Ground Floor		50	45	11%	1	2	30.3	23	11.4	11.4	3.1	3		5.3	5
J	0/03	STUDIO	Ground Floor		40	37	8%	0	2	32.5	30	n/a	n/a	3.1	3		4.2	4
J	0/04	2 BED	Ground Floor		79.5	73	9%	2	4	30	30	25	24.4	6.1	6	YES	7.3	7
J	0/05	2 BED	Ground Floor		80.2	73	10%	2	4	30	30	25	24.4	6.5	6	YES	7.3	7
J	0/06	STUDIO	Ground Floor		40	37	8%	0	2	32.5	30	n/a	n/a	3.1	3		4.2	4
J	0/07	1 BED	Ground Floor		50	45	11%	1	2	30.3	23	11.4	11.4	3.1	3		5.3	5
J	0/08	2 BED	Ground Floor		80.2	73	10%	2	4	31.2	30	24.8	24.4	6	6		8.2	7
J	0/09	2 BED	Ground Floor		80.5	73	10%	2	4	30	30	25	24.4	6.5	6	YES	21.1	7
J	0/10	3 BED	Ground Floor		103.7	90	15%	3	6	34	34	40.2	31.5	9.9	9	YES	16.9	9
J	0/10	3 BED	Ground Floor		103.7	90	15%	3	6	34	34	40.2	31.5	9.9	9	YES	16.9	9
,	0/11	3 525	Ground Froot	11	788	30	13/0	J		34	3-	70.2	31.3	3.3	J	123	10.5	
1	1/01	2 BED	First Floor	11	80.2	73	10%	2	4	31.2	30	24.8	24.4	6	6		7.9	7
1	1/02	1 BED	First Floor		50	45	11%	1	2	30.3	23	11.4	11.4	3.1	3		5.3	5
J	1/02	STUDIO	First Floor		40	37	8%	0	2	32.5	30			3.1	3		4.2	4
J	1/03	2 BED					13.70.70					n/a	n/a			VEC		7
J		J-0-10-00-00-00-00-00-00-00-00-00-00-00-0	First Floor		79.5	73	9%	2	4	30	30	25	24.4	6.1	6	YES	7.3	7
J	1/05	2 BED	First Floor		80.2	73	10%	2	4	30	30	25	24.4	6.5	6	YES	7.3	1
J	1/06	STUDIO	First Floor		40	37	8%	0	2	32.5	30	n/a	n/a	3.1	3		4.2	4
J	1/07	1 BED	First Floor		50	45	11%	1	2	30.3	23	11.4	11.4	3.1	3		5.3	5
J	1/08	2 BED	First Floor		80.2	73	10%	2	4	31.2	30	24.8	24.4	6	6		8.2	7
J	1/09	2 BED	First Floor		80.5	73	10%	2	4	30	30	25	24.4	6.5	6	YES	7.5	7
J	1/10	3 BED	First Floor		103.7	90	15%	3	6	34	34	40.2	31.5	9.9	9	YES	9.3	9
J	1/11	3 BED	First Floor		103.7	90	15%	3	6	34	34	40.2	31.5	9.9	9	YES	9.3	9
J	1/12	2 BED	First Floor		80.2	73	10%	2	4	31.5	30	27	24.4	6.4	6		8.2	7
				12	868.2													
J	2/01	2 BED	Second Floor		80.2	73	10%	2	4	31.2	30	24.8	24.4	6	6		7.9	7
J	2/02	1 BED	Second Floor		50	45	11%	1	2	30.3	23	11.4	11.4	3.1	3		5.3	5
J	2/03	STUDIO	Second Floor		40	37	8%	0	2	32.5	30	n/a	n/a	3.1	3		4.2	4
J	2/04	2 BED	Second Floor		79.5	73	9%	2	4	30	30	25	24.4	6.1	6	YES	7.3	7
J	2/05	2 BED	Second Floor		80.2	73	10%	2	4	30	30	25	24.4	6.5	6	YES	7.3	7
J	2/06	STUDIO	Second Floor		40	37	8%	0	2	32.5	30	n/a	n/a	3.1	3		4.2	4
J	2/07	1 BED	Second Floor		50	45	11%	1	2	30.3	23	11.4	11.4	3.1	3		5.3	5
J	2/08	2 BED	Second Floor		80.2	73	10%	2	4	31.2	30	24.8	24.4	6	6		8.2	7
J	2/09	2 BED	Second Floor		80.5	73	10%	2	4	30	30	25	24.4	6.5	6	YES	7.5	7
J	2/10	3 BED	Second Floor		103.7	90	15%	3	6	34	34	40.2	31.5	9.9	9	YES	9.3	9
J	2/11	3 BED	Second Floor		103.7	90	15%	3	6	34	34	40.2	31.5	9.9	9	YES	9.3	9
J	2/12	2 BED	Second Floor		80.2	73	10%	2	4	31.5	30	27	24.4	6.4	6		8.2	7
				12	868.2													
J	3/01	2 BED	Third Floor		80.2	73	10%	2	4	31.2	30	24.8	24.4	6	6		7.9	7
J	3/02	1 BED	Third Floor		50	45	11%	1	2	30.3	23	11.4	11.4	3.1	3		5.3	5
J	3/03	STUDIO	Third Floor		40	37	8%	0	2	32.5	30	n/a	n/a	3.1	3		4.2	4
J	3/04	2 BED	Third Floor		79.5	73	9%	2	4	30	30	25	24.4	6.1	6	YES	7.3	7
J	3/05	2 BED	Third Floor		80.2	73	10%	2	4	30	30	25	24.4	6.5	6	YES	7.3	7
-		STUDIO	Third Floor		40	37	8%	0	2	32.5	30	n/a	n/a	3.1	3	123	4.2	4
J	13/0h	DIULIU																
J	3/06	1 BED	Third Floor		50	45	11%	1	2	30.3	23	11.4	11.4	3.1	3		5.3	5

Block	Unit No.	Description	Level	Total Units Per Level	Unit Area (m²)	Unit size	Individual Enlargem ent Ratio IRF(%)	Number	Bed Spaces	Aggregated Living Area (m²)	I living Area		Redroom	Storage (m²)	Storage Required (m²)	Dual Aspect	Private (Terrace/ Balcony) Space Provided (m²)	Private (Terrace/ Balcony) Space Required (m²)
J	3/09	2 BED	Third Floor		80.5	73	10%	2	4	30	30	25	24.4	6.5	6	YES	7.5	7
J	3/10	3 BED	Third Floor		103.7	90	15%	3	6	34	34	40.2	31.5	9.9	9	YES	9.3	9
J	3/11	3 BED	Third Floor		134	90	49%	3	6	53.3	34	42.7	31.5	9.1	9	YES	9.3	9
J	3/12	1 BED	Third Floor		50	45	11%	1	2	30.5	23	11.4	11.4	3.1	3		8.2	5
				12	868.3													
J	4/01	2 BED	Fourth Floor		80.2	73	10%	2	4	31.2	30	24.8	24.4	6	6		7.9	7
J	4/02	3 BED	Fourth Floor		114	90	27%	3	6	40.5	34	38.5	31.5	9.1	9	YES	52.7	9
J	4/03	3 BED	Fourth Floor		114.7	90	27%	3	6	40.5	34	38	31.5	9.7	9	YES	52.7	9
J	4/04	2 BED	Fourth Floor		80.2	73	10%	2	4	31.2	30	24.8	24.4	6	6		8.2	7
J	4/05	2 BED	Fourth Floor		80.5	73	10%	2	4	30	30	25	24.4	6	6	YES	7.5	7
J	4/06	3 BED	Fourth Floor		103.7	90	15%	3	6	34	34	40.2	31.5	9.9	9	YES	9.3	9
J	4/07	3 BED	Fourth Floor		134	90	49%	3	6	53.3	34	42.7	31.5	9.1	9	YES	9.3	9
J	4/08	1 BED	Fourth Floor		50	45	11%	1	2	30.5	23	11.4	11.4	3.1	3		8.2	5
				8	757.3													
		STUDIO	10		400													
		1 BED	13		650													
		2 BED	27		2163.4													
		3 BED	12		1326.3											Ratio		
																44%		
J TOTALS				62	4539.7	3423		91	196	1664	1515	1163.3	1041.8	308.9	294	27	487.7	342
																Ratio		
																50.4%		
GRAND TOTALS				534	38805.9	34406		912	1878	16635.9	14977	11341.8	10761.6	2955.2	2730	269	4611.5	3418

STUDIO	30	1200
1 BED	135	6783.1
2 BED	318	25163
3 BED	51	5659.8
	F24	20005.0

534 38805.9