

SEPP 65 CODE REQUIREMENT	COMMENT
PART 01 – LOCAL CONTEXT	
Building depth	
<i>In general an apartment building of a maximum depth of 18 metres is appropriate.</i>	Complies In general the depth of a typical level is 16.69m. Refer to Building Depth Plans enclosed herein.
Building Separation	
<u>Up to 4 storeys</u> 12m between habitable rooms/ balconies 9 m between habitable/balconies & non habitable 6m between non habitable <u>5 to 8 storeys</u> 18m between habitable rooms/ balconies 13 m between habitable/balconies & non habitable 9m between non habitable <u>9 storeys & above</u> 24m between habitable rooms/ balconies 18 m between habitable/balconies & non habitable 12m between non habitable	Complies Building 6 is 6 storeys in height. Distance between building 6 (6 storeys) and building 2 (3 storeys): Habitable room to habitable room = 15.09m Distance between building 6 (6 storeys) and building 5 (6 storeys): Balcony to balcony = 18.15m Distance between building 6 (6 storeys) and building 8 (6 storeys): Balcony to balcony = 17.05m Refer to Building Separation Plans enclosed.

SEPP 65 CODE REQUIREMENT	COMMENT
PART 02 – SITE DESIGN	
Site Analysis	
<i>A detailed site analysis is to accompany development proposals.</i>	Complies A site analysis plan is enclosed in <i>Annexure 4</i>.
Deep Soil Zones	
<i>A minimum of 25% of the open space area shall be deep soil zones. Exemptions may be made in urban areas where sites are built out and there is no capacity for water infiltration.</i>	Complies The total open space area is 44,358m² and the total deep soil area is 39,051m² therefore deep soil constitutes 88% of the total open space area. A Deep Soil plan is enclosed in <i>Annexure 6</i>.
Fences and Walls	
<i>Fences and walls should be designed to define the boundaries between the development, provide privacy and security and contribute positively to the public domain.</i>	Complies Fences have been provided to any ground level apartments to define private and public spaces. Refer to <i>Annexure 4</i> and <i>5</i> for Architectural Plans and Photomontages.
Landscape Design	
<i>A landscape design should:</i> ▪ <i>improve the amenity of open space</i> ▪ <i>contribute to the streetscape character</i> ▪ <i>improve the energy efficiency and solar efficiency of the public domain</i> ▪ <i>contribute to the sites characteristics</i> ▪ <i>contribute to water and stormwater efficiency</i> ▪ <i>provide a sufficient depth of soil for planting</i> ▪ <i>minimise maintenance</i>	Complies The landscape plan will provide a high level of amenity to residents and will incorporate planting that will be appropriate to the locality and will be hosted in appropriate soil depths. The landscape plan has been prepared to satisfy these provisions. The landscape plan is enclosed at <i>Annexure 6</i> of the Statement of Environmental Effects.

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Open Space Configuration	
<i>Area of open space should generally be between 25 – 30% of the site.</i> <i>Where developments are unable to achieve this, they must demonstrate that the residential amenity is provided in the form of increased private open space.</i> <i>Minimum area of private open space at ground level shall be 25m². A minimum preferred dimension in one direction is 4m.</i>	Complies The open space provided of the entire site is 49. 8%. An Open Space plan is enclosed in <i>Annexure 6</i>. Minimum area for private open space = 25m². Refer to Architectural Plans enclosed in <i>Annexure 4</i>.
Orientation	
<i>In order to achieve better design practise:</i> ▪ <i>Plan the site to optimise solar access</i> ▪ <i>Select building types or layouts that respond to the streetscape by optimising solar access</i> ▪ <i>Optimise solar access to living spaces</i> ▪ <i>Detail building elements to modify environmental considerations</i>	Complies ▪ The building orientation has been designed in accordance with the approved Concept Plan and Solar Access for Building 6 achieves 70%. Refer to Annexure 8 for the Solar Access Report. ▪ The building types and layouts have been designed with reference to the approved Concept Plan ▪ Solar access to living spaces has been maximised, as is substantiated by the Solar Access Reports in <i>Annexure 8</i>. ▪ The development has been designed so that buildings are sited to maximise solar access and ventilation. Building 6 achieves a 70% rating for solar access and 68% access to natural ventilation.

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Planting on Structures	
<i>In terms of soil provision there is no minimum standard that can be applied to all situations as the requirements vary with the size of plants and trees at maturity. The following are recommended as minimum standards for a range of plant sizes:</i> Large trees such as figs (canopy diameter of up to 16 metres at maturity) ▪ Minimum soil volume 150 cubic metres ▪ Minimum soil depth 1.3 metre ▪ Minimum soil area 10 metre x 10 metre area or equivalent Medium trees (8 metre canopy diameter at maturity) ▪ Minimum soil volume 35 cubic metres ▪ Minimum soil depth 1 metre ▪ Approximate soil area 6 metre x 6 metre or equivalent Small trees (4 metre canopy diameter at maturity) ▪ Minimum soil volume 9 cubic metres ▪ Minimum soil depth 800mm ▪ Approximate soil area 3.5 metre x 3.5 metre or equivalent Shrubs ▪ Minimum soil depths 500-600mm Ground cover ▪ Minimum soil depths 300-450mm Turf ▪ Minimum soil depths 100-300mm <i>Any subsurface drainage requirements are in addition to the minimum soil depths.</i>	Complies A detailed landscape plan has been prepared by Sturt Landscape Architects. Refer to <i>Annexure 6</i> of the Statement of Environmental Effects), which depicts appropriate number, size and species of plants and trees. Details in respect of planting structures on the podium will be provided with an application for a Construction Certificate.

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Safety	
<i>Carry out a formal crime risk assessment for residential development of more than 20 dwellings.</i>	Complies Buildings have been designed to reduce blind corners. Lighting will be provided within the site. Entrances will be via an intercom system. A crime risk assessment report is at <i>Annexure 15</i>.
Building Entry	
<i>Building entries should:</i> ▪ Create entries that provide a desirable residential amenity. ▪ Orientate the visitor. ▪ Contribute positively to the streetscape or building façade design.	Complies The entrances to the lobbies of each building address the streets with defined points of entry, or are accessed via the pedestrian network that forms part of the site. In both cases, the entries will be clearly identifiable and accessible.
Pedestrian Access	
<i>Identify the access requirements from the street or car parking area to the apartment entrance.</i> <i>Follow the accessibility standard set out in Australian Standard AS 1428 (parts 1 and 2), as a minimum.</i> <i>Provide barrier free access to at least 20 percent of dwellings in the development.</i>	Complies Access is available from the basement parking level and from the street level to all buildings. This is legible on the architectural plans enclosed in Annexure 4. The architectural plans have been reviewed and assessed by independent 'Access Consultants' in terms of Australian Standard AS 1428 and a copy of the report is enclosed in Annexure 11. Barrier free access is available via the ground floor levels to lifts for access to units above. Building 6 is able to achieve 100 % barrier free access.
Vehicle Access	
<i>Generally limit the width of driveways to a maximum of six metres.</i> <i>Locate vehicle entries away from main pedestrian entries and on secondary frontages.</i>	Complies The driveway is 6m wide and is demarcated on the Architectural Plans in Annexure 4. Vehicle entry and exit points are located as far as practicable from pedestrian entry points into the building. The location of the driveway does not conflict with the pedestrian network.

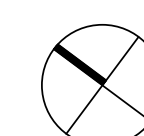
SEPP 65 CODE REQUIREMENT	COMMENT
PART 03 – BUILDING DESIGN	
Apartment Layout	
<i>Single-aspect apartments should be limited in depth to 8 metres from a window.</i> <i>The back of a kitchen should be no more than 8 metres from a window</i> <i>The width of crossover or cross-through apartments over 15 metres deep should be 4 metres or greater to avoid deep narrow apartment layouts.</i> <i>The following apartment sizes are provided as a guide:</i> <i>1 bedroom 50sqm; 2 bedroom 70sqm; and 3 bedroom 95sqm</i>	Complies 55% of all apartments have a depth greater than 8m (typically 8.1m). 55% of all apartments have a distance greater than 8m (typically 8.1m) to the back of the kitchen. There are no cross over apartments in Building 6 2 Bedroom minimum = 83.3 m2 3 Bedroom minimum = 120.5 m2
Balconies	
<i>Provide primary balconies for all apartments with a minimum depth of 2 metres. Developments which seek to vary from the minimum standards must demonstrate that negative impacts from the context-noise, wind-can not be satisfactorily mitigated with design solutions.</i> <i>Require scale plans of balcony with furniture layout to confirm adequate, useable space when an alternate balcony depth is proposed.</i>	Complies All primary balconies have a minimum depth of 2 metres and can comfortably accommodate outdoor furniture. Refer to the Architectural Plans at Annexure 4 which indicate the depth of balconies and furniture layout on balconies.
Ceiling Heights	
<i>The following recommended dimensions are measured from finished floor level (FFL) to finished ceiling level (FCL). These are minimums only and do not preclude higher ceilings, if desired.</i> <i>Developments which seek to vary the recommended ceiling heights must demonstrate that apartments will receive satisfactory daylight (eg. Shallow apartments with large amount of window area).</i>	Complies The floor to ceiling heights as measured on the architectural plans have a floor to ceiling height of 2.7m in all habitable rooms and 2.4m in all non-habitable rooms.
Ground Floor Apartments	
<i>Optimise the number of ground floor apartments with separate entries and consider requiring an appropriate percentage of accessible units.</i> <i>Provide ground floor apartments with access to private open space, preferably as a terrace or garden.</i>	Complies 57% of ground floor apartments have separate entrance off street. 100% of ground floor apartments have access to private open space.

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Internal Circulation	
<i>In general, where units are arranged off a double-loaded corridor, the number of units accessible from a single core / corridor should be limited to eight. Exceptions may be allowed:</i> - For adaptive reuse buildings; - Where developments can demonstrate the achievement of the desired streetscape character and entry response; - Where developments can demonstrate a high level of amenity for common lobbies, corridors and units (cross over, dual aspect apartments).	Complies 7 apartments per core (Level G, Levels 1 – 4) 3 apartments per core (Level 5)
Storage	
<i>In addition to kitchen cupboards and bedroom wardrobes, provide accessible storage facilities at the following rates:</i> - One bedroom apartments: 6m³ - Two bedroom apartments: 8m³ - Three plus bedroom apartments: 10m³ <i>At least 50% of required storage within each apartment.</i>	Complies Storage is provided in each apartment and in the basement in the form of storage cages Two bedroom apartments have minimum 7.7m³ in the apartment and 4.5m³ in the basement, total 12.2m³ storage. Three bedroom apartments have minimum 11.2m³ in the apartment and 9m³ in the basement, total 20.2m³ storage.
Acoustic Privacy	
<i>To ensure a high level of amenity by protecting the privacy of residents within residential flat buildings both within the apartments and in private open spaces.</i>	Complies A detailed Acoustic Report has been prepared by Acoustic Logic and is enclosed in <i>Annexure 12</i>. It is noted that the only significant noise is from Mobbs Lane. Recommendations are contained in Section 4.3 of the report and pertain to glazing, walls and ventilation.
Awnings	
<i>To provide shelter for public streets and to ensure signage is in keeping with desired streetscape character and with the development in scale, detail and overall design. .</i>	Complies Each building entrance has an awning which has been designed to be fully integrated into the overall design of the building. The awning provides a shelter from the elements and an architectural statement as the entrance to the building. There is no signage proposed on the facade of the buildings. Refer to <i>Annexure 5</i> for photomontages of each building.

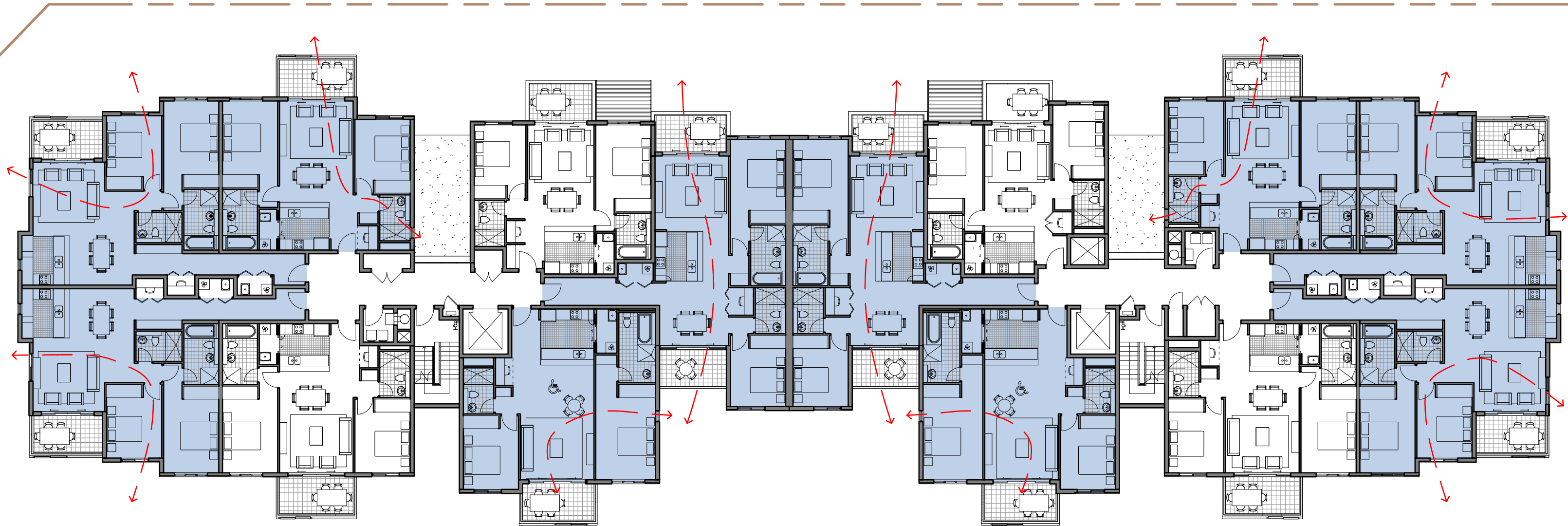
SEPP 65 CODE REQUIREMENT	COMMENT
Facades	
<i>To provide high architectural quality in residential flat buildings.</i> <i>To ensure that new developments have facades which define and enhance the public domain and desired street character</i> <i>To ensure that building elements are integrated into the overall building form and facade design.</i>	Complies The facades have been carefully considered to ensure that each building has a clear identity. This is ensured by the sophisticated placement of vertical and horizontal architectural elements, and colours and materials that complement the surrounding buildings and context. Refer to <i>Annexure 4</i>, Building Elevations and Materials and Finishes images, and Annexure 5 for photomontages of each building.
Roof Design	
<i>To provide quality roof designs, which contribute to the overall design and performance of residential flat buildings</i> <i>To integrate the design of the roof into the overall facade, building composition and desired contextual response.</i> <i>To increase the longevity of the building through weather protection.</i>	Complies The roof designs complement the buildings, and generally have been designed as a flat structure with a slight 'lean to' to provide architectural interest and style into the design. The roof design is both functional and aesthetically pleasing. Refer to <i>Annexure 4</i>, Building Elevations and <i>Annexure 5</i> for photomontages of each building.
Maintenance	
<i>To ensure long life and ease of maintenance for the development</i>	Complies All Meriton apartments are managed by an onsite, Site Manager who is available to 24/7 to ensure that the entire development is well maintained and co-ordinated. In addition all relevant contractors, for example waste removal, landscaping etc. are co-ordinated by the Site Manager to ensure that a high standard is maintained and that the development presents to its best advantage at all times.
Waste Management	
<i>To avoid the generation of waste through design, material selection and building practices</i> <i>To plan for the types, amount and disposal of waste to be generated during demolition, excavation and construction of the development</i> <i>To encourage waste minimisation, including source separation, refuse and recycling</i> <i>To ensure efficient storage and collection of waste and quality design of facilities.</i>	Complies A comprehensive Waste Management Plan has been prepared by Wastech and a summary of recommendations is enclosed in point 2 of the report as enclosed in <i>Annexure 14</i>. In addition the Environmental and Construction Management Plan in <i>Annexure 21</i> identifies how waste will be handled during demolition, excavation and construction of the site.

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Water Conservation	
<i>To reduce mains consumption of potable water</i> <i>To reduce the quantity of urban stormwater run off</i>	Complies A comprehensive Environmental Sustainable Development Report prepared by Cundall and is attached in <i>Annexure 13</i> and section 6.4 specifically addresses the issue of water conservation. Stormwater runoff is being managed via the gutter and drains in the street and directed to the bio-retention pond in the western portion of the site. A detailed Stormwater Management Report and plans are enclosed in <i>Annexure 16</i>.
Daylight Access	
<i>Living rooms and private open spaces for at least 70% of apartments in a development should receive a minimum of three hours direct sunlight between 9am and 3pm in mid winter. In dense urban areas a minimum of two hours may be acceptable.</i> <i>Limit the number of single aspect apartments with a southerly aspect (SW-SE) to a maximum of 10% of the total units proposed. Developments which seek to vary from the minimum standards must demonstrate how site constraints and orientation prohibit the achievement of these standards and how energy efficiency is addressed (see Orientation and Energy Efficiency).</i> <i>See Apartment Layout for additional rules of thumb.</i>	Complies 70% of units receive a minimum of three hours direct sunlight. Compliance with the solar access requirements is detailed in the Solar Access Report at <i>Annexure 8</i> of the Statement of Environmental Effects) and fully comply. There are no single aspect apartments in Building 6.
Natural Ventilation	
<i>Building depths, which support natural ventilation typically range from 10 to 18m.</i>	Complies Average depth 16.77m. Minimum 7.8m. Maximum 19.9m
<i>60% of residential units should be naturally cross ventilated.</i>	Complies 68% are naturally cross ventilated. Refer to natural ventilation plan enclosed herein.
<i>25% of kitchens within a development should have access to natural ventilation.</i>	Complies 100% of all kitchens have access to natural ventilation.

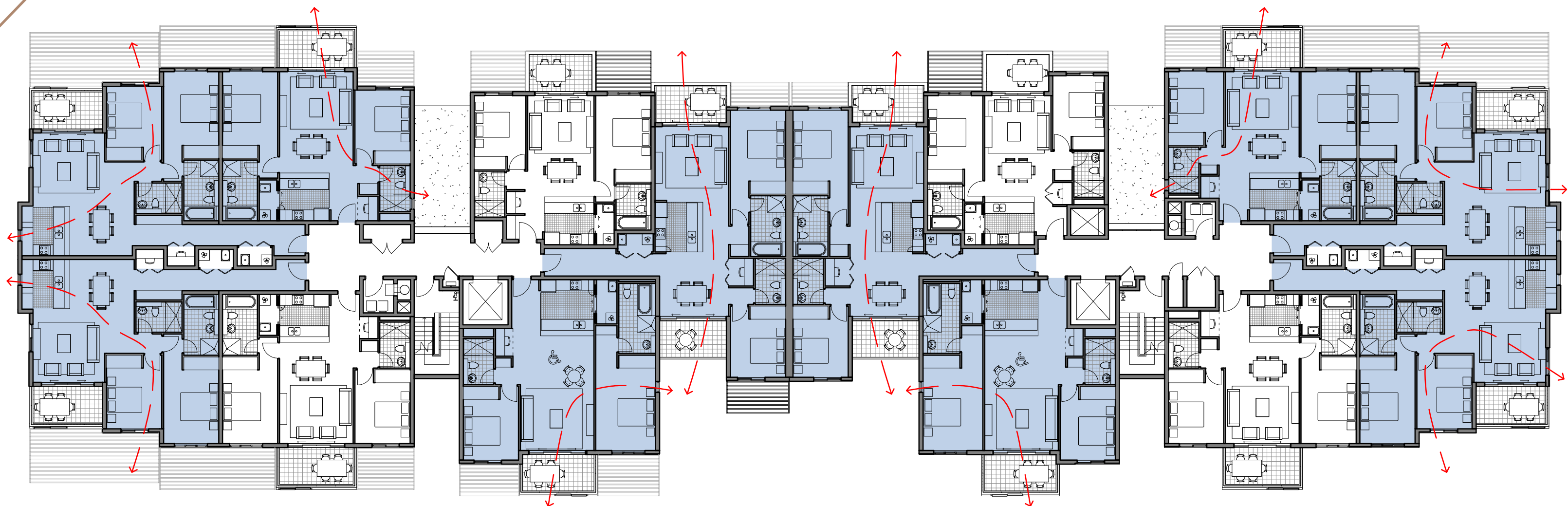
AVERAGE INTERNAL PLAN DEPTH = $1389/83.2 = 16.69M$



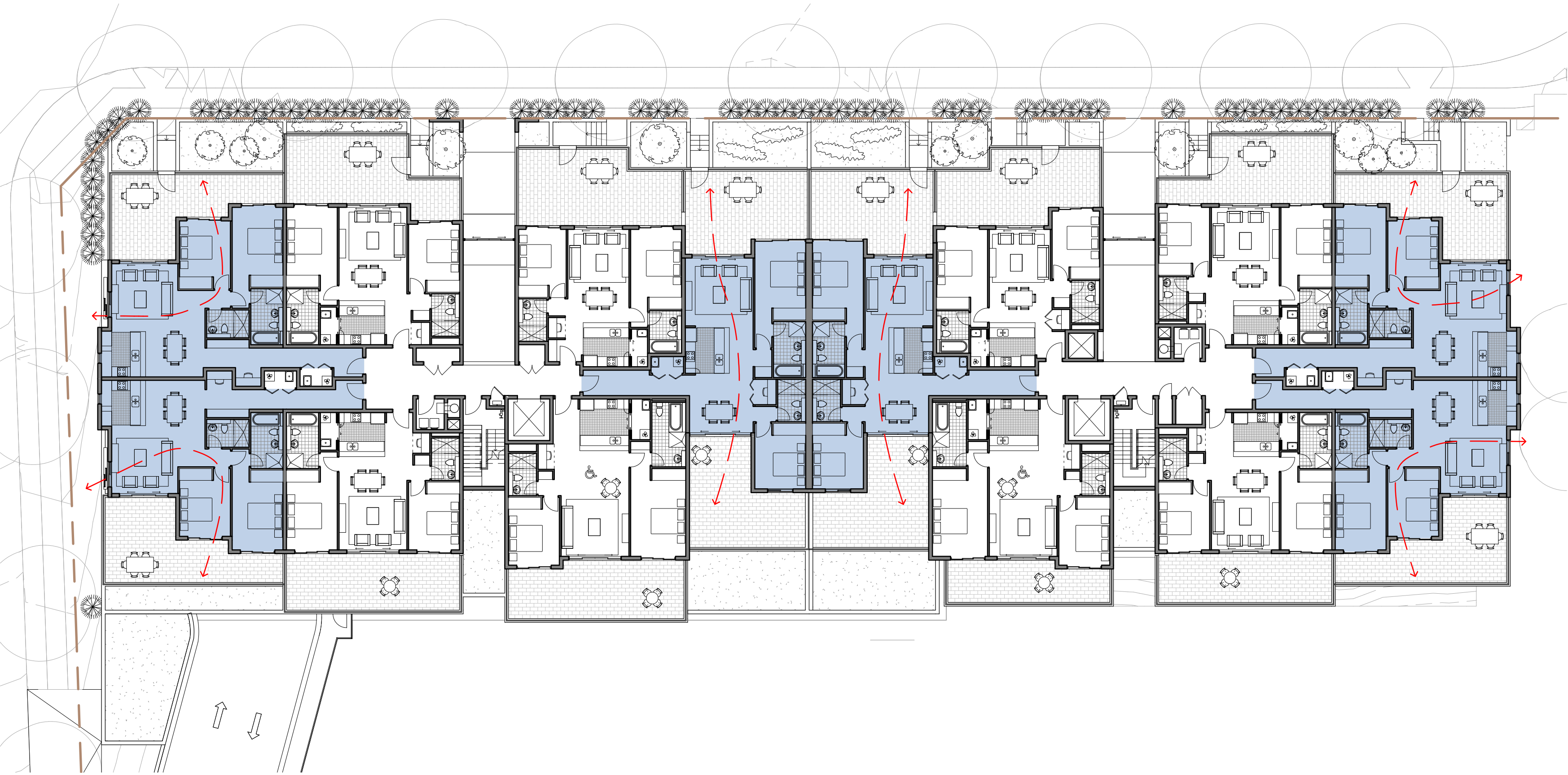
Do not scale from drawings.			<table><tr><th>ROLE</th><th>DATE</th><th>AMENDMENT</th></tr><tr><td>A</td><td>11.03.2011</td><td>PRELIMINARY ISSUE FOR COORDINATION</td></tr><tr><td>B</td><td>18.03.2011</td><td>FINAL DRAFT FOR PA ISSUE</td></tr><tr><td>C</td><td>08.04.2011</td><td>FINAL DRAFT FOR PA ISSUE</td></tr><tr><td>D</td><td>19.04.2011</td><td>REVISED FINAL DRAFT ISSUE</td></tr><tr><td>E</td><td>24.06.2011</td><td>FINAL ISSUE FOR PA APPLICATION</td></tr></table>		ROLE	DATE	AMENDMENT	A	11.03.2011	PRELIMINARY ISSUE FOR COORDINATION	B	18.03.2011	FINAL DRAFT FOR PA ISSUE	C	08.04.2011	FINAL DRAFT FOR PA ISSUE	D	19.04.2011	REVISED FINAL DRAFT ISSUE	E	24.06.2011	FINAL ISSUE FOR PA APPLICATION	<table><tr><th colspan="2">Consultants</th></tr><tr><td>Landscape Arch</td><td>Shurt Associates</td></tr><tr><td>Soar Access</td><td>Heggies</td></tr><tr><td>Traffic</td><td>TTP</td></tr><tr><td>Nathans/Bach</td><td>Efficient Living</td></tr><tr><td>Acoustic</td><td>Acoustic Logic</td></tr></table>		Consultants		Landscape Arch	Shurt Associates	Soar Access	Heggies	Traffic	TTP	Nathans/Bach	Efficient Living	Acoustic	Acoustic Logic	Client:  Meriton Apartments Pty. Ltd. Builders & Developers Level 11, 528 Kent Street, Sydney NSW 2000 Tel: (02) 9287 2888 Fax: (02) 9287 2777 Email: enquiries@meriton.com.au Internet: www.meriton.com.au		PTW Architects  Level 17, 9 Castlereagh St Sydney NSW Australia 2000 Newly Nominated Architects A Architects ACT Architects No. 2822 C Architects NSW No. 4578 D Architects NSW No. 2027 E Struct Architects No. 4599 A Struct Architects No. 5047 T + 612 9222 5877 F + 612 9221 4139		Key Plan: 		Project: EPHING PARK - STAGE 2 B6 61 MORRIS LANE, EPPING BUILDINGS 6 Title: DIAGRAM-BUILDING PLAN DEPTH Scale: 1:100 @B1 Date/Time: 24/06/2011 6:51:14 PM Job No: 211_006 Dwg No: D0001 Status: PA Drawn By: Author Checked By: Checker Revision: E			
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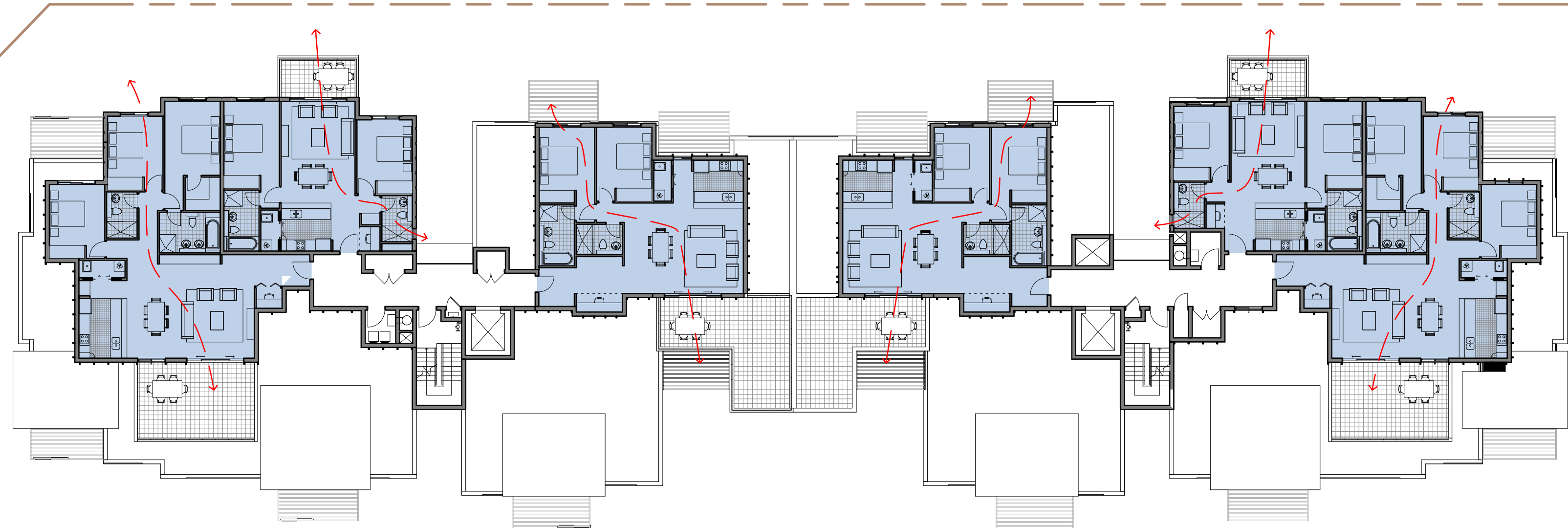
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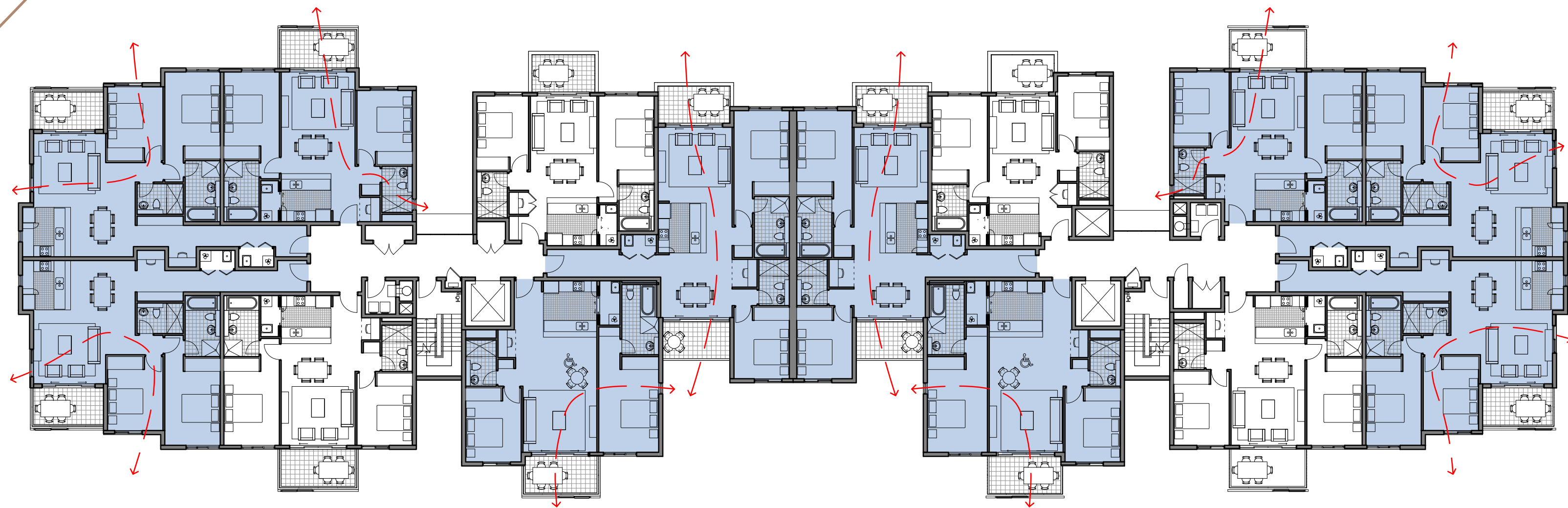
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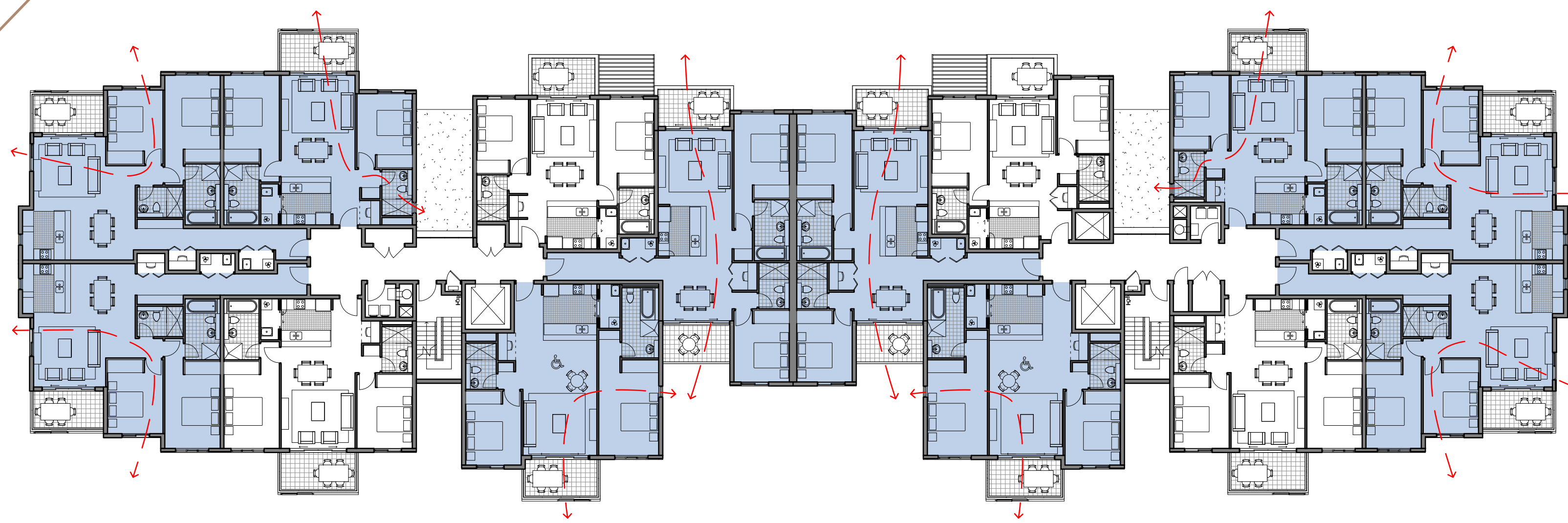
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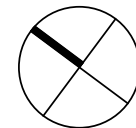
Bld 6 L4



Bld 6 L3

CROSS VENTILATION APARTMENT STUDY

BUILDING 6: $52/76 = 68\%$



On site scale from drawings: Verify all dimensions on site before commencing work.										SHEET DATE AMENDMENT										Consultants:										Client:										PTW Architects										PTW										Key Plan:										Project:										Scale:										Plot Date:										Job No:										Dwg No:										Drawn By:										Checked By:										Revision:										Status:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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This is a detailed architectural floor plan of a multi-story building, likely a residential or institutional structure. The plan is symmetrical, centered around a large, open central hall. This central hall is divided into two main sections by a vertical corridor or staircase. On either side of this central axis, there are multiple rooms of varying sizes. Some rooms are furnished with beds, desks, and chairs, suggesting they are living or working spaces. There are also smaller, more private-looking rooms, possibly bathrooms or storage areas. The building has a complex, irregular footprint with several wings and courtyards. The central hall is a large, open space with a grid-like pattern, possibly representing a common area or a large hall. The surrounding rooms are arranged in a way that provides access to this central space. The plan includes various architectural details such as doors, windows, and furniture, providing a comprehensive view of the building's layout and design.

SOUTH ASPECT APARTMENT STUDY
BUILDING 6: 0/76 = 0%

