Ex	ITEM	PART/ PAGE	RULES OF THUMB	BETTER DESIGN PRACTIC E	NOTES	complies
	PART 1 LOCAL CONTEXT					
1	PRIMARY DEVELOPMENT CONTROLS					
1.1	BUILDING HEIGHT	1-24				
	Where there is an existing FSR, test	1-24				
	height controls against it to ensure a			\checkmark		\checkmark
	good fit					`
	Test height against the number of				Refer to SEE with	
	storeys and minimum ceiling heights			\checkmark	regard to number of	v
	required for the desired building use			v	storeys and building	Х
1.2	BUILDING DEPTH	1-26			height.	
1.2	Apartment building depths of 10-18mm	1-20				
	are appropriate			\checkmark		\checkmark
1.3	BUILDING SEPARATION					
	Building Separation is proportionate to					
	building height to facilitate better urban			\checkmark		\checkmark
	form and improved residential amenity					
1.4	STREET SETBACKS	1-30				
	Identify desired streetscape character,					
	the common setback of building in the			1		1
	street, the accommodation of street					\checkmark
	planting and height of buildings and					
1.5	daylight access controls SIDE & REAR SETBACKS	1-33				
1.5	Relate side and rear setbacks to	1-55		,		,
	existing streetscape patterns			\checkmark		
1.6	FLOOR SPACE RATIO	1-35				
	Test desired built form outcome against				Density proposed will	
	proposed floor space ratio to ensure			\checkmark	enable the delivery of	
	consistency with height, footprint,			v	affordable housing	v
	envelope and open space.					
	PART 2 SITE DESIGN					
2	SITE CONFIGURATION					
-						
2.1	DEEP SOIL ZONES	2-44				
	A minimum of 25 percent of the open				In addition to the	
	space area of a site should be a deep				Carey Street deep soil	
	soil zone: more is desirable.				and given the dense	
	Exceptions may be made in urban areas				urban environment.	
	where sites are built out and there is no capacity for water filtration.		\checkmark		Deep planter beds are	\checkmark
	capacity for water initiation.				proposed in conjunction with	
					natural deep soil to	
					enable mature tree	
					growth and water	

SEPP 65 Numerical Compliance table for 420 Macquarie Street Liverpool

Ex	ITEM	PART/ PAGE	RULES OF THUMB	BETTER DESIGN PRACTIC E	NOTES	complies
		0.45			filtration.	
2.2	FENCES & WALLS	2-45				
	Delineate the private and public domain without compromising safety and security			\checkmark		\checkmark
2.3	LANDSCAPE DESIGN	2-46				
	Improve amenity of open space with landscape design			\checkmark		\checkmark
2.4	OPEN SPACE	2-48		√		
	The area of communal open space required should generally be at least between 25 and 30% of the site area. Larger sites and Brownfield sites may have potential for more than 30%.		\checkmark		Complies, communal open space equates to 31%, ie 1,950 m2	\checkmark
	Where recommended area is unachievable demonstrate that residential amenity is provided in the form of increased private open space &/or contribution to public open space.		V			n/a
	The minimum recommended area of private open space for each apartment at ground level or similar space on a structure, such as on a podium or carpark, is 25 m2 ; the minimum preferred dimension in one direction is 4 m.		V		Private open space for podium apartments comply with this requirement .ie >25m2. They range from 25m2 up to 169 m2 with a variety of 1,2,& 3 bedroom apartments.	\checkmark
2.5	ORIENTATION	2-50			·	
	Plan the site to optimise solar access.					\checkmark
	Select building types which respond to the streetscape whilst optimising solar access			\checkmark		\checkmark
	Optimise solar access to living spaces and associated private open spaces by orientating them north			\checkmark		\checkmark
	Detail buildings elements to modify environmental conditions			\checkmark		\checkmark
2.6	PLANTING ON STRUCTURES Minimum soil depth for planting		\checkmark		Complies, refer to Landscape dwgs.	\checkmark
2.7	STORMWATER MANAGEMENT					
	On dense urban sites seek measures such as on site detention			\checkmark	Complies, refer to Stormwater dwgs	\checkmark
3						
3.1	SAFETY	2-56				
	Separate residential parking from other building use and control access from			\checkmark	Separate carparking spaces are proposed	\checkmark

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Ex	ITEM	PART/ PAGE	RULES OF THUMB	BETTER DESIGN PRACTIC E	NOTES	complies
	public and common areas				for retail staff.	
	Provide direct access from car park to apartment lobbies for residents			\checkmark		\checkmark
	Provide separate access for residents in mixed –use buildings			\checkmark		\checkmark
	Provide audio or video intercom for visitor entry			\checkmark		\checkmark
	Provide key card access for residents					
3.2	VISUAL PRIVACY	2-58				
	Locate and orient development to maximise visual privacy			\checkmark		\checkmark
	Design building layouts to minimise direct overlooking of rooms and private open spaces			\checkmark		√
4	SITE ACCESS					
4.1	BUILDING ENTRY	2-60				
	Provide as direct a physical and visual connection as possible between street and entry	2.00		\checkmark	Clearly defined feature entries to each Lift Lobby.	\checkmark
	Achieve clear lines of transition between public street, the shared private, circulation spaces and apartment unit			\checkmark		\checkmark
	Generally provide separate entries from the street for pedestrians and cars and different uses			\checkmark	Clearly defined and separate pedestrian and vehicle entry points.	\checkmark
4.2	PARKING	2-62				
	Give preference to underground carparking			\checkmark		\checkmark
	Provide bicycle parking which is easily accessible from ground level and from apartments			\checkmark		\checkmark
4.3	PEDESTRIAN ACCESS	2-64				
	Follow accessibility standard AS 1428 (Pt. 1 & 2) as a minimum		\checkmark		Complies subject to design detail at C.C, refer to Access Report.	\checkmark
	Provide barrier free access to at least 20 percent of dwellings in the development		\checkmark		Complies subject to design detail at C.C, refer to Access Report.	\checkmark
4.4	VEHICLE ACCESS	2-65				
	Generally limit the width of driveways to a max of 6m		\checkmark		Complies, with minimum standards.	\checkmark
	Locate vehicle entries away from main pedestrian entries and on secondary frontages		\checkmark		Vehicle entry located away from pedestrian entry.	\checkmark

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SEPP 65 Numerical Compliance table for 420 Macquarie Street Liverpool

Ex	ITEM	PART/ PAGE	RULES OF THUMB	BETTER DESIGN PRACTIC E	NOTES	complies
	 Maximising opportunities to facilitate natural ventilation and to capitalise on natural daylight Avoid locating kitchen as part of main circulation spaces, such as hallway or entry space 					
	Ensure apartment layouts and dimensions facilitate furniture removal and placement			\checkmark		\checkmark
	Single-aspect apartments should be limited in depth to 8m from a window.	3-69	\checkmark		Complies, single aspect apartments range from 6.2m to 8.6m from a window.	\checkmark
	The back of a kitchen should be no more than 8m from a window.	3-69	\checkmark		Complies, back of kitchens range from 6.2m to 8.6m from a window.	\checkmark
	The width of cross over or cross through apartments over 15m deep should be 4m or greater to avoid deep narrow apartment layouts	3-69	\checkmark		Complies, no such apartments provided.	\checkmark
	Buildings not meeting minimum standards listed above must demonstrate how satisfactory daylight and ventilation can be achieved	3-69	\checkmark			n/a
	If council chooses to standardise apartment sizes, a range of sizes that do not exclude affordable housing should be used. As a guide, the Affordable Housing Service suggest the following minimum apartment sizes, which can contribute to housing affordability:	3-69	V		Complies, Apartments sizes range from: 1Bed-56m2 to 61m2 2Bed-71m2 to 89m2 3Bed-95m2	V
5.2	APARTMENT MIX	2.70				
	 Provide a variety of apartment types Refine the appropriate apartment mix for a location by: Considering population trends in the future as well as present market demands Noting the apartment's location in relation to public transport, public facilities, employment areas, schools and universities and retail centres. 	3-70		\checkmark	149 dual key apartments are proposed. These are affordable apartments with above average rental returns. 258, 1 bedroom / studios are proposed within these apartments.	V
	Locate mix of one and three bedroom apartments on the ground level where accessibility is more easily achieved for			\checkmark		\checkmark

SEPP 65 Numerical Compliance table for 420 Macquarie Street Liverpool

Ex	ITEM	PART/ PAGE	RULES OF THUMB	BETTER DESIGN PRACTIC E	NOTES	complies
	disabled, elderly people or families with children					
	Optimise the number of accessible and adaptable apartments to cater for a wider range of occupants. Australian Standards are only a minimum.			\checkmark	Complies, refer to Access report.	\checkmark
	Investigate the possibility of flexible apartment configuration, which support change in the future.			\checkmark	Provided flexibility with 149 dual key apartments	\checkmark
5.3	BALCONIES	3-71				
	Provide primary balconies for all apartments with a minimum depth of 2m	3-72	\checkmark		Complies, balconies vary between 2.0m to 2.8m wide.	\checkmark
	Require scale plans of balcony with furniture layout to confirm adequate, useable space when an alternate balcony depth is proposed		\checkmark			n/a
5.4	CEILING HEIGHTS	3-73				
	Recommended minimum FFL-FCL heights:					
	Mixed use 3.3m ground & first floor to promote future use flexibility		\checkmark		Complies, ground floor commercial allowance of 3.3m provided for ceiling height	V
	Residential building in mixed use area 3.3m ground and first floor to promote future use flexibility.		\checkmark		Ground commercial achieves a floor to ceiling height of 3.3m	\checkmark
	In residential flats or other residential floor of mixed use buildings					
	2.7m habitable rooms, 2.4 non habitable preferred, 2.25 permitted		\checkmark		All apartments achieve 2.7m.	\checkmark
	Two storey units 2.4m min. for second storey if 50% or more of the apartment has 2.7m min heights		\checkmark			n/a
	Two storey units with two storey void space, 2.4m min ceiling heights		\checkmark			n/a
	Attic spaces 1.5m min height at edge of room with 30 degree min. ceiling slope.		\checkmark			n/a
	Developments which seek to vary the recommended ceiling heights must demonstrate that apartments will receive satisfactory daylight		1			n/a
5.5	FLEXIBILITY	3-75				
	Provide robust building configurations, which utilise multiple entries and circulation cores, especially in larger buildings over 15m long. – Thin building cross sections, which are suitable for residential			V	There are three separate entries to lift lobbies servicing three separate residential apartment blocks.	\checkmark

SEPP 65 Numerical Compliance table for 420 Macquarie Street Liverpool

Ex	ITEM	PART/ PAGE	RULES OF THUMB	BETTER DESIGN PRACTIC E	NOTES	complies
	 or commercial uses. A mix of apartment types Higher ceilings in particular on the ground floor and first floor Separate entries for the ground floor level, and the upper levels Sliding and/or moveable wall systems 					
	Provide apartment layouts, which accommodate the changing use of rooms			\checkmark		\checkmark
	Utilise structural systems, which support a degree of furniture change in building use or configuration	3-76		\checkmark		\checkmark
5.6	Promote accessibility GROUND FLOOR APARTMENTS	3-76				
	Optimise the number of ground floor apartments with separate entries and consider requiring an appropriate percentage of accessible units. This relates to the desired streetscape and topography of the site	5-11	√		There are no ground floor apartments proposed for this development due to the constraints of the site and context.	n/a
	Provide ground floor apartments with access to private open space, preferably as a terrace or garden		\checkmark			n/a
5.7	INTERNAL CIRCULATION In general where units are located off a double loaded corridor the number of units accessible from a single corridor should be limited to 8	3-79	V		Blocks B & C have lobbies and corridors servicing less than 8 apartments per corridor / floor. Block A has one lobby with three lifts servicing a range of 7, 9 &12 apartments per corridor / floor. The lift core / corridor here has been strategically positioned to provide for a high level of amenity such as natural light and ventilation.	\checkmark
5.8	MIXED USE	3-80				
	Choose a mix of uses that compliment and reinforce the character, economics and function of the local area			\checkmark		
	Choose compatible mix of uses			\checkmark		
	Consider building depth and form in relation to each uses requirements for			\checkmark		\checkmark

SEPP 65 Numerical Compliance table for 420 Macquarie Street Liverpool

	ITEM	PART/ PAGE	RULES OF THUMB	BETTER DESIGN PRACTIC E	NOTES	complies
	servicing and amenity					
	Design legible circulation systems,			\checkmark		\checkmark
	which ensure safety of users			•		•
	Ensure building positively contributes to			\checkmark		\checkmark
	public domain					,
	Design for acoustic privacy from the					
	beginning of the project to ensure that			\checkmark		\checkmark
	future services, such as air conditioning,					
	do not cause acoustic problems late					
	Recognising the ownership/lease patterns and separating requirements			\checkmark		\checkmark
	for purposes of BCA for considerations			v		v
5.9	STORAGE	3-82				
0.0	In addition to kitchen cupboards and	J-02			Complies, all storage	
	bedroom wardrobes, provide accessible				is provided within the	
	storage facilities at the following rates				apartments with some	
	 Studio apartments 6m3 		1		having it split within	1
	 One bedroom apartments 6m3 		\checkmark		the apartment and	\checkmark
	 Two bedroom apartments 8m3 				secured locations	
	 Three plus bedroom apartments 				within the basement.	
	10m3					
6	BUILDING AMENITY					
6.1	ACOUSTIC PRIVACY	2.02				
0.1	Arrange apartments within development	3-83				
	to minimise noise transition between			\checkmark		\checkmark
	flats			v		v
	Design the internal apartment layout to					
	separate noisier spaces from quieter			\checkmark		\checkmark
	spaces			•		
6.2	DAYLIGHT ACCESS	3-84				
	Living rooms and private open spaces				Complies, apartments	
	for at least 70% of apartments in a				that receive the	
	development should receive a min. 3				required sunlight	
	hours direct sunlight between 9am and		\checkmark		equate to 69.3 % ie:	
	3pm in mid-winter. In dense urban areas		v		294 apartments. Refer	v
	min 2 hours may be acceptable				to Solar Access and	
					Natural Ventilation	
					Report.	
	Limit the number of single aspect				Complies, apartments	
	apartments with a southerly aspect to a		\checkmark		with a southerly	\checkmark
	maximum of 10% of total units				aspect equate to 7.5%	
6.3		2.06			ie: 32 apartments.	
	NATURAL VENTILATION	3-86			Complian huildings	
0.3	Building depths which support natural				Complies, buildings	
0.3					range from 0.0 m to	
0.3	ventilation typically range from 10-18m		2		range from 9.2 m to	2
0.3			\checkmark		range from 9.2 m to 23.5 m in depth. Where the building	\checkmark

SEPP 65 Numerical Compliance table for 420 Macquarie Street Liverpool

Ex	ITEM	PART/ PAGE	RULES OF THUMB	BETTER DESIGN PRACTIC E	NOTES	complies
					supported by naturally ventilated corridors.	
	60% of residential units should be naturally cross ventilated		V		Complies, naturally cross ventilated apartments equate to 68.4% ie: 290 apartments. Refer to Solar Access and Ventilation Report.	V
	25% of kitchens should have access to natural ventilation		V		Complies, 31% of kitchens are naturally ventilated ie: 133 kitchens. Of the total, 36 kitchens are adjacent to an external wall and 97 kitchens are well positioned within a naturally cross ventilated living space.	1
7	BUILDING FORM					
7.1	AWNINGS & SIGNAGE	3-88				
	Awnings encourage pedestrian activity on streets			\checkmark		\checkmark
	Signage should be carefully considered and integrated into the development			\checkmark		\checkmark
7.2	FACADES	3-89				
	Compose facades with appropriate scale, rhythm and proportion, which respond to building uses and contextual character			\checkmark		\checkmark
	Design facades to reflect the orientation of the site using elements such as sun shading, depending on orientation			\checkmark		\checkmark
7.3	ROOF DESIGN Relate roof design to the desired built	3-91				
	form Design the roof to relate to the size and scale of the building			√		
8	BUILDING PERFORMANCE					
8.1	ENERGY EFFICIENCY	3-93				
0.1	Incorporate passive solar design techniques to optimise heat storage in winter and heat transfer in summer by:	5-85		\checkmark	Development is BASIX compliant.	
	Maximising thermal mass in floor &				Development is	

SEPP 65 Numerical Compliance table for 420 Macquarie Street Liverpool

Ex	ITEM	PART/ PAGE	RULES OF THUMB	BETTER DESIGN PRACTIC E	NOTES	complies
	walls in northern rooms				BASIX compliant.	
	Hard floor finishes instead of carpet			\checkmark	Development is BASIX compliant.	\checkmark
	Insulating roof/ceiling to R2.0, external walls to R1.0 and floor including separation from basement parking to R1.0			\checkmark	Development is BASIX compliant.	\checkmark
	Improve control of mechanical space heating & cooling by:					
	Designing apartments so that entries open into lobbies or vestibules and are isolated from living areas by doorways			\checkmark		\checkmark
	Provide or plan for future installation of photo voltaic panels			\checkmark	Possible as part of future roof design but not proposed, as development is BASIX compliant.	\checkmark
	Improve efficiency of hot water systems			\checkmark	Development is BASIX compliant.	\checkmark
	Reduce reliance on artificial lighting			\checkmark	Development is BASIX compliant.	\checkmark
	Maximise the efficiency of household appliances			\checkmark	Development is BASIX compliant.	\checkmark
8.2	MAINTENANCE	3-95				
	Select manually operated systems such as blinds, sunshades and curtains in preference to mechanical systems			\checkmark		\checkmark
	Select durable materials which can be easily cleaned and graffiti resistant			\checkmark		\checkmark
8.3	WASTE MANAGEMENT	3-96				
	Provide every dwelling with a waste cupboard or temporary storage area of sufficient size to hold a single days waste and enable source separation			\checkmark		\checkmark
	Supply waste management plan with DA		\checkmark		Complies, refer to Waste Management Plan.	\checkmark
8.4	WATER CONSERVATION	3-97				
	Collect ,store and use rainwater on site for car washing, garden, toilet flushing, laundry and clothes washing			\checkmark	Complies with water efficiency targets required in the BASIX Report	\checkmark
	Rainwater is not to be collected from roofs coated with lead or bitumen based paints.		\checkmark			\checkmark