## **SECTION-J REPORT**

## Proposed mixed use development

52-62 MAY ROAD NARRAWEENA NSW 2099 (Lot-17 DP 801798)

## Prepared by: Outsource Ideas p/I

L-2,10 King street Rockdale NSW 2217

e: ved@outsourceideas.com.au

p: 02 9597 9909 m: 0421 530 876

Prepared for: May Rod Group / JV Urban

C/- Benson Mccormack Architects

Studio 5, 505 Balmain Rd Lilyfield NSW 2040

LGA: Northern Beaches Council

#### **DESIGN STATEMENT**

Pursuant to NCC BCA A2.2; this report relies on supplied documentation for assessment in regards to adopting measures contributing to deemed-to-satisfy of designed and built deliverables. It is our opinion that the project can be constructed to satisfy the requirements of the NCC.

This report prepared from supplied materials for DA and CC purposes according to  $\frac{\text{http://tinyurl.com/p4s7df6}}{\text{http://tinyurl.com/p4s7df6}}.$ 

Lighting and a/c designs have not been sighted for review.

Bare

Ved Baheti B. Arch, M. Arch(UNSW) JP Managing director

ABSA Assessor # 20901 | BDAV Assessor # 131521 | ACTPLA Assessor # 2011248

#### **Document Control:**

Rev	Date	Description
Α	22/06/2020	Sec-J report prepared as per architectural drawings

#### **Reference Document:**

Rev	Date	Description
3	16/05/2020	Architectural Drawing by: Benson Mccormack Architects
		Project Ref # 1853A Date: May 18 Drawing status: DA

## **Energy Efficiency**

In response to concerns over global warming, the Australian Government announced in July 2000 that agreement had been reached with industry and State and Territory Governments to adopt a two-pronged approach to reducing greenhouse gas emissions from buildings. The first approach was the introduction of mandatory minimum energy performance requirements through the Building Code of Australia (BCA), and the second approach was the encouragement of best practice voluntary initiatives by industry. Industry was supportive of this two-pronged approach, taking the view that building-related matters should be consolidated in the BCA wherever possible.

Given the importance of the energy performance of buildings to overall national greenhouse gas emissions performance, the Australian Building Codes Board (ABCB) and the Australian Greenhouse Office signed a Memorandum of Understanding to jointly develop the BCA Energy Efficiency Provisions.

The Energy Efficiency Project was endorsed under the National Framework for Energy Efficiency (NFEE), an agreement between all Australian Governments established to improve energy efficiency. The objective of NFEE is to unlock the significant economic potential associated with increased implementation of energy efficiency technologies and processes to deliver a least cost approach to energy efficiency in Australia.

To enable the effective involvement of stakeholders in the development of the BCA Energy Efficiency Provisions, several committees and working groups comprising representatives from a range of government, industry and community organisations were developed.

At specific stages of the project, the ABCB sought the views of the wider community. This process was undertaken when the ABCB released the Directions Report on the Energy Efficiency Project (2001), and on the release of Regulation Documents (RDs) and Regulatory Impact Statements (RISs). Any proposed annual changes to the BCA are also made public prior to finalisation.

Energy efficiency requirements are now incorporated in the Building Code of Australia. In Volume 1, it is Section J, hence the "Section J Report".

## **CONTENTS**

DE	SIGN CERTIFICATE TO THIS REPORT	4
Sec	ction J review	5
1.	PART J1 BUILDING FABRIC	9
2.	PART J2 – not used	26
3.	PART J3 BUILDING SEALING	26
4.	PART J4 – not used	28
5.	PART J5 AIR CONDITIONING	29
6.	PART J6 ARTIFICIAL LIGHTING AND POWER	30
7.	PART J7 HEATED WATER SUPPLY AND SWIMMING POOL AND SPA POOL PLA 32	NT
8.	PART J8 ACCESS FOR MAINTENANCE	32

#### DESIGN CERTIFICATE TO THIS REPORT



# SECTION J DESIGN CERTIFICATE

We certify that the design calculations contained in this report complies with NCC BCA A2.2(b).

Project: Proposed mixed use development
62 MAY ROAD NARRAWEENA NSW 2099
(Lot-17 DP 801798)

Ved Baheti B. Arch, M. Arch(UNSW) JP

Managing director

ABSA Assessor # 20901 | BDAV Assessor # 131521 | ACTPLA Assessor # 2011248

## Section J review

## **Application**

Retail / commercial Section J affected

Basement carparking Section J affected

Apartments Section J affected

Complements BASIX and NatHERS

#### Climate Zone check

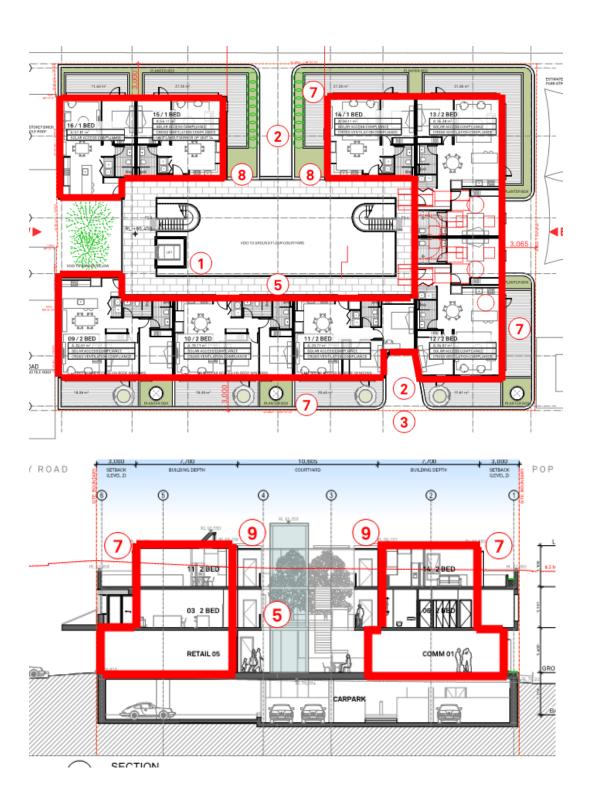


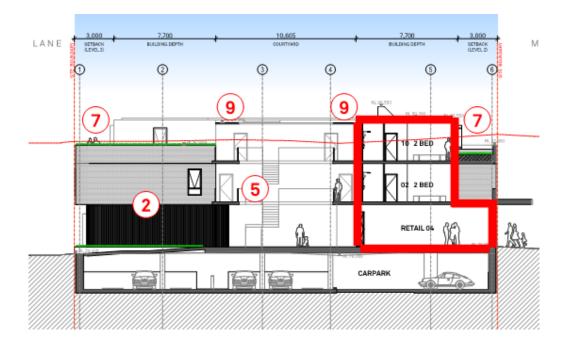
		Remarks
Climate zone:	5	White

Conditioned spaces (likely to be heated or cooled)

Space	Conditioned	Non-conditioned
Retail /commercial / apartments	X	-





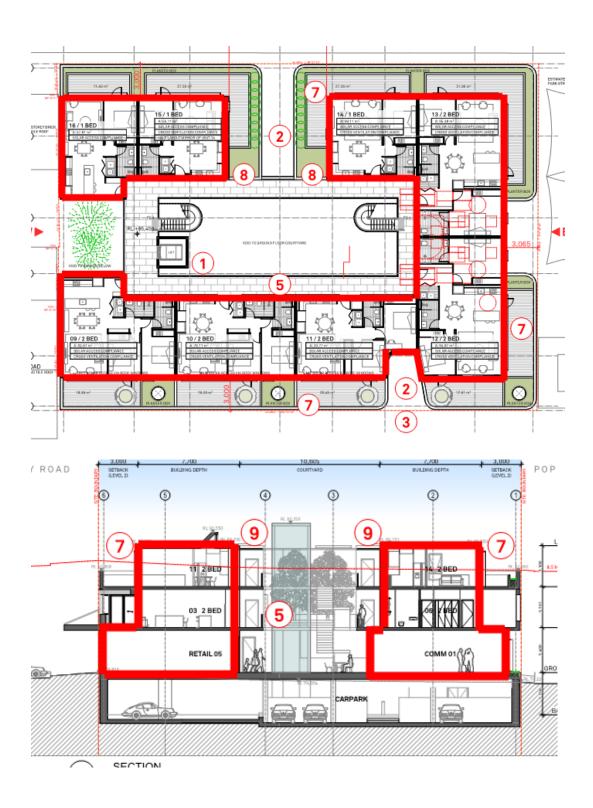


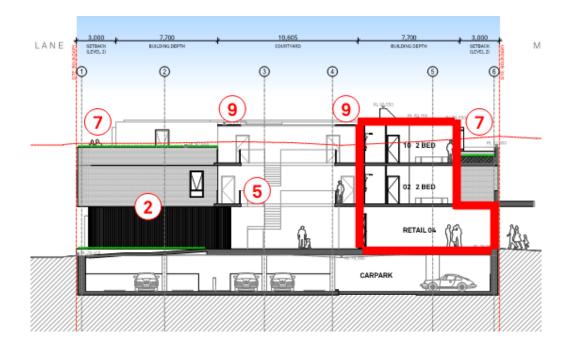
## 1. PART J1 BUILDING FABRIC

	Requirements	Provide evidence to PCA	Certifier action
J1.1 NSW J(A)1.1	BUILDING FABRIC Including Building Classes 2 and 4 Note: Section J complements BASIX	Applies	Note
J1.2	THERMAL CONSTRUCTION — GENERAL	Applies	
(a)	Compliance with AS/NZS 4859.1 Including that product branded with thermal performance	Applies	PCA must satisfy himself that the installation is compliant.
	abut or overlap adjoining insulation other than at supporting members such as studs, noggings, joists, furring channels and the like where the insulation must be against the member	Applies	PCA must satisfy himself that the installation is compliant.
	Form a continuous barrier with ceilings, walls, bulkheads, floors or the like that inherently contribute to the thermal barrier	Applies	PCA must satisfy himself that the installation is compliant.
	Installation does not affect the safe or effective operation of a service or fitting	Applies	PCA must satisfy himself that the installation is compliant.
(b)	Air space next to reflective surface	Applies	PCA must satisfy himself that the installation is compliant.
reflective insulation	Fit closely against any door or window opening	Applies	PCA must satisfy himself that the installation is compliant.
	Overlaps not less than 50 mm		
	Tape all joins for air tightness		
(c) Bulk insulation	Install to maintain position and thickness other than where it is compressed between cladding and	Applies	PCA must satisfy himself that the installation is compliant.

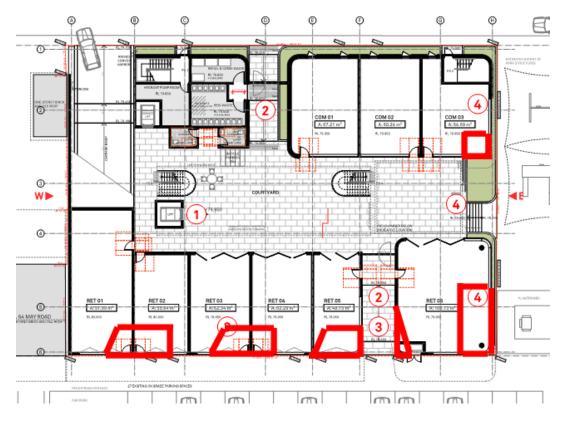
	Requirements	Provide evidence to PCA	Certifier action
	supporting members, water pipes, electrical cabling or the like		
	In a ceiling, where there is no bulk insulation or reflective <i>insulation</i> in the wall beneath, it overlaps the wall by not less than 50 mm		
(d)	Roof, ceiling, wall and floor materials, and associated surfaces are deemed to have the thermal properties listed in Specification J1.2	Applies	PCA must satisfy himself that the installation is compliant.
(e)	The required Total R-Value and Total System U-Value, including allowance for thermal bridging, must be	Applies	PCA must satisfy himself that the installation is compliant.
	calculated in accordance with AS/NZS 4859.2 for a roof or floor; or		
	determined in accordance with Specification J1.5a for wall-glazing construction, or		
	determined in accordance with Specification J1.6 or Section 3.5 of CIBSE Guide A for soil or sub-floor spaces.		

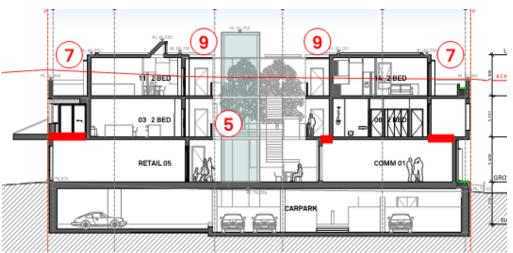


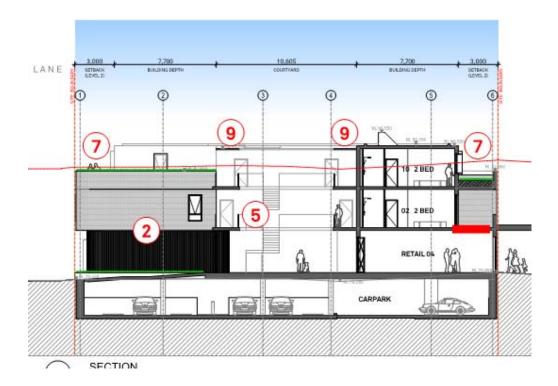




	Requirements	Provide evidence to PCA	Certifier action
J1.3	ROOF AND CEILING CONSTRUCTION		
(a)	achieve a <i>Total R-Value</i> greater than or equal to	Describe D 0.0 hadron and a lilling	PCA must satisfy himself that the installation is compliant.
Climate zone 5:	R 3.7 downward heat flow	Provide R 3.0 between roofing and ceiling	
Climate zone 6:	achieve a <i>Total R-Value</i> greater than or equal to	Not applicable	Note
	R 3.2 downward heat flow		
	Tiled and metal roofing R 0.56		
(b)	Solar absorptance of the upper surface of a roof must be not more than 0.45.	Not applicable	Note
Climate zone 6	a 1337 mast 25 met more than 5. 10.		







		Provide evidence to PCA	Certifier action
J1.4	ROOF LIGHTS		
(a)	not more than 5% of the floor area of the room or space served	Not applicable	Note
(b)	< 3% floor area	Not applicable	Note
	Light shaft index <1.0: SHGC <0.45 U<3.9		
	Light shaft index 1.0<2.5: SHGC <0.51 U<3.9		
	Light shaft index >2.5: SHGC <0.76 U<3.9		
	3%<5% floor area	Not applicable	Note
	Light shaft index <1.0: SHGC <0.29 U<3.9		
	Light shaft index 1.0<2.5: SHGC <0.33 U<3.9		
	Light shaft index >2.5: SHGC <0.49 U<3.9		
		Provide evidence to PCA	Certifier action
J1.5	WALLS AND GLAZING		
(a)	Total System U-Value of wall-glazing construction		
	Class 2 common area, a Class 5, 6, 7, 8 or 9b building or a Class 9a building	Refer calculations below	PCA must satisfy himself that the installation is compliant.
	<u-2< td=""><td></td><td></td></u-2<>		

		Provide evidence to PCA	Certifier action
Climate Zone 5	for a Class 3 or 9c building or a Class 9a ward area	Not applicable	Note
	U-2.0		
Climate Zone 6	for a Class 3 or 9c building or a Class 9a ward area	Not applicable	Note
	<u-1.1< td=""><td></td><td></td></u-1.1<>		
(b)	Display glazing <u-5.8 shopfronts<="" td=""><td>Not applicable</td><td>Note</td></u-5.8>	Not applicable	Note
(c)	Total System U-Value of wall-glazing construction must be calculated in accordance with Specification J1.5a		Note
(d)	Wall area >80% or more of wall- glazing construction area	Refer calculations below	PCA must satisfy himself that the installation is compliant.
Climate zone 5	3		
	Class 2 common area, Class 5, 6, 7, 8 or 9b building or a Class 9a building		
	wall Total R-Value >R-1.4		
Climate zone 5	Wall area >80% or more of wall-glazing construction area	Not applicable	Note
	Class 3 or 9c building or Class 9a ward area		
	wall Total R-Value >R-1.4		
(d) Climate zone 6	Wall area >80% or more of wall-glazing construction area	Not applicable	Note
Climate zone 5	construction area  Class 3 or 9c building or Class 9a ward area	Not applicable	

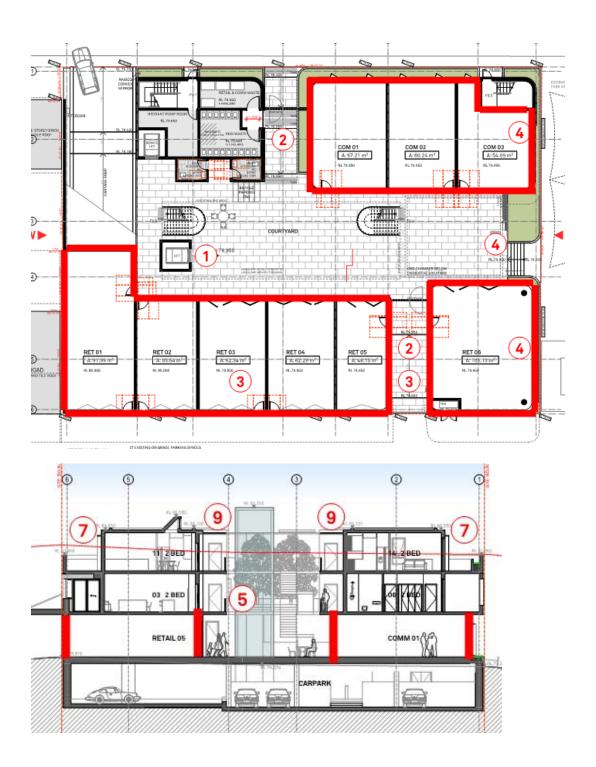
		Provide evidence to PCA	Certifier action
	wall Total R-Value >R-1.4		
Climate zone 6	Class 3 or 9c building or Class 9a ward area wall Total R-Value >R-2.8	Not applicable	Note
(e) Climate zones 5	Wall area <80% or more of wall- glazing construction area	Refer calculations below	PCA must satisfy himself that the installation is compliant.
and 6	Class 2 common area, Class 5, 6, 7, 8 or 9b building or a Class 9a building		
	wall Total R-Value >R-0.13		

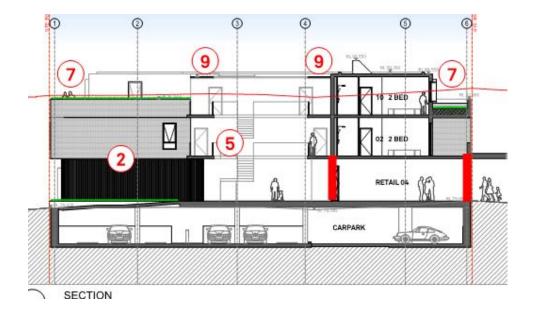
## **BRICK VENEER WALL + R 2.5 insulation**

		R
1	outside air	0.04
2	110 brick	0.09
3	Cavity air	0.17
4	insulation	2.50
5	plasterboard	0.06
6	Inside air	0.12
	TOTAL	2.98

257 AWS-011-11 RESIDENTIAL SERIES 541/542 SLIDING DOOR -SINGLE GLAZED 6mm Evantage Grey SD 4.5 0.35 0.28

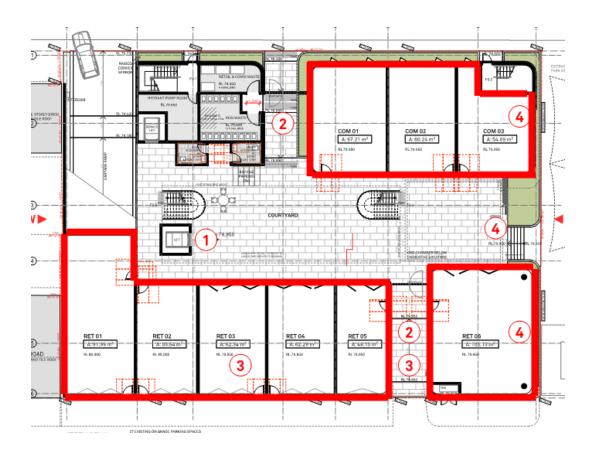
NCC 2019 Glazing calc	ulator								V1.7-20200408				
						_							
Project Name		to satsif			ed Evantage	Gey			Wall R-value				
Building Class	6			,5,6,7,8,9a	,9c,ward					total A	total A x Rt		
Climate Zone	5		Storey	ground					N	101.9		2.98	
Wall+glazing U-value max limit	2.0								E	48.8	145.424	2.98	
	N	E	S	W					S	108.5	323.33	2.98	
Solar Admittance max limit	0.13	0.13	0.13	0.13					W	124.8	371.904	2.98	
Proposed wall R-value	2.98	2.98	2.98	2.98									
		Meth	od 1		Meth	od 2				Glazing	Wall-glazing		
	N	Е	S	W	Combined					total A	total A		
Wall+glazing area	174.1	99.2	188.8	124.8	586.9				N	72.2	174.1		
Glazing area	72.2	50.4	80.3	0.0	202.9				E	50.4	99.2		
percentage	41%	51%	43%	0%	35%				S	80.3	188.8		
Proposed Wall U-value	0.34	0.34	0.34	0.34	0.34				W	0.0	124.8		
Proposed Wall+Glazing U-value	2.06	2.45	2.11	0.34		1.78							
Proposed Wall+Glazing Solar Admit	0.115	0.178	0.107	0.000									
	Reference	e combine	I SHGC Er	nergy Value	•	98.33							
	Proposed	combined	SHGC En	ergy Value		96.35							
Element	Facing	Height	₩idth	Area	U-value	SHGC	Р	н	INPUT Wall com	onents only	- Area and R-	value for	
Element	Facing	Height	Width	Area	U-value	SHGC	Р	н	INPUT Wall comp			value for	
	Facing	Height	Width	Area	U-value	SHGC	P 1	Н 3.2				value for	A x Rt
Element Com 01 Com 02									each wall type or	each façade	e	Rt	
Com 01 Com 02	N	2.40	0.90	2.2	4.50	0.35	1	3.2	each wall type or Wall elements	Face	e A	Rt 2.98	371.9
Com 01 Com 02 Com 02	N N	2.40	0.90	2.2	4.50 4.50	0.35 0.35	1 1	3.2 3.2	each wall type or Wall elements BV	Face W	A 124.80	Rt 2.98 2.98	371.9 303.6
Com 01 Com 02 Com 02 Com 03	N N N	2.40 2.40 2.40	0.90 0.90 0.90	2.2 2.2 2.2	4.50 4.50 4.50	0.35 0.35 0.35	1 1 1	3.2 3.2 3.2	each wall type or Wall elements BV BV	Face W N	A 124.80 101.90	Rt 2.98 2.98 2.98	371.9 303.6 323.
Com 01 Com 02 Com 02 Com 03 Com 03	N N N	2.40 2.40 2.40 2.40	0.90 0.90 0.90 0.90	2.2 2.2 2.2 2.2	4.50 4.50 4.50 4.50	0.35 0.35 0.35 0.35	1 1 1	3.2 3.2 3.2 3.2	each wall type or Wall elements BV BV BV	Face W N S	A 124.80 101.90 108.50	Rt 2.98 2.98 2.98	371.9 303.6 323.
Com 01 Com 02 Com 02 Com 03 Com 03 Ret 06	N N N	2.40 2.40 2.40 2.40 2.40	0.90 0.90 0.90 0.90 0.90	2.2 2.2 2.2 2.2 2.2	4.50 4.50 4.50 4.50 4.50	0.35 0.35 0.35 0.35 0.35	1 1 1 1	3.2 3.2 3.2 3.2 3.2	each wall type or Wall elements BV BV BV	Face W N S	A 124.80 101.90 108.50	Rt 2.98 2.98 2.98	371.9 303.6 323.
Com 01 Com 02 Com 02 Com 03 Com 03 Ret 06 Ret 05	N N N N	2.40 2.40 2.40 2.40 2.40 2.60	0.90 0.90 0.90 0.90 0.90 0.90	2.2 2.2 2.2 2.2 2.2 2.2 2.9	4.50 4.50 4.50 4.50 4.50 4.50	0.35 0.35 0.35 0.35 0.35 0.35	1 1 1 1 1 1 1.5	3.2 3.2 3.2 3.2 3.2 3.2	each wall type or Wall elements BV BV BV	Face W N S	A 124.80 101.90 108.50	Rt 2.98 2.98 2.98	371.90 303.60 323.
Com 01 Com 02 Com 02 Com 03 Com 03 Ret 06 Ret 05 Ret 04	N N N N N	2.40 2.40 2.40 2.40 2.40 2.60 2.60	0.90 0.90 0.90 0.90 0.90 8.80 4.00	2.2 2.2 2.2 2.2 2.2 2.2 22.9 10.4	4.50 4.50 4.50 4.50 4.50 4.50 4.50	0.35 0.35 0.35 0.35 0.35 0.35 0.35	1 1 1 1 1 1 1.5 1.5	3.2 3.2 3.2 3.2 3.2 3.2 3.2	each wall type or Wall elements BV BV BV	Face W N S	A 124.80 101.90 108.50	Rt 2.98 2.98 2.98	371.90 303.60 323.
Com 01 Com 02 Com 02 Com 03 Com 03 Ret 06 Ret 05 Ret 04 Ret 03	N N N N N N	2.40 2.40 2.40 2.40 2.60 2.60 2.60	0.90 0.90 0.90 0.90 0.90 8.80 4.00 5.40	2.2 2.2 2.2 2.2 2.2 2.2 22.9 10.4 14.0	4.50 4.50 4.50 4.50 4.50 4.50 4.50 4.50	0.35 0.35 0.35 0.35 0.35 0.35 0.35	1 1 1 1 1 1.5 1.5	3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2	each wall type or Wall elements BV BV BV	Face W N S	A 124.80 101.90 108.50	Rt 2.98 2.98 2.98	371.9 303.6 323.
Com 01 Com 02 Com 02 Com 03 Com 03 Ret 06 Ret 05 Ret 04 Ret 03 Ret 01	N N N N N N	2.40 2.40 2.40 2.40 2.40 2.60 2.60 2.60 2.60	0.90 0.90 0.90 0.90 0.90 0.90 8.80 4.00 5.40	2.2 2.2 2.2 2.2 2.2 22.9 10.4 14.0	4.50 4.50 4.50 4.50 4.50 4.50 4.50 4.50	0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35	1 1 1 1 1 1,5 1,5 1,5 1,5	3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2	each wall type or Wall elements BV BV BV	Face W N S	A 124.80 101.90 108.50	Rt 2.98 2.98 2.98	371.90 303.60 323.
Com 01 Com 02 Com 02 Com 03 Com 03 Ret 06 Ret 05 Ret 04 Ret 03 Ret 01 Ret 01	N N N N N N N	2.40 2.40 2.40 2.40 2.60 2.60 2.60 2.60 2.60	0.90 0.90 0.90 0.90 0.90 8.80 4.00 5.40 5.40	2.2 2.2 2.2 2.2 2.2 22.9 10.4 14.0 14.0 13.8	4.50 4.50 4.50 4.50 4.50 4.50 4.50 4.50	0.35 0.35 0.35 0.35 0.35 0.36 0.35 0.35 0.35	1 1 1 1 1 1,5 1,5 1,5 1,5 2,7	3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2	each wall type or Wall elements BV BV BV	Face W N S	A 124.80 101.90 108.50	Rt 2.98 2.98 2.98	371.9 303.6 323.
Com 01 Com 02 Com 02 Com 03 Com 03 Ret 06 Ret 05 Ret 04 Ret 03 Ret 01 Ret 02 Ret 03	N N N N N N N N N N S S S	2.40 2.40 2.40 2.40 2.60 2.60 2.60 2.60 2.60 2.60	0.90 0.90 0.90 0.90 0.90 4.00 5.40 5.30	2.2 2.2 2.2 2.2 2.2 2.2 22.9 10.4 14.0 14.0 13.8	4.50 4.50 4.50 4.50 4.50 4.50 4.50 4.50	0.35 0.35 0.35 0.35 0.35 0.35 0.36 0.35 0.35 0.35	1 1 1 1 1,5 1,5 1,5 1,5 2,7 2,7	3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2	each wall type or Wall elements BV BV BV	Face W N S	A 124.80 101.90 108.50	Rt 2.98 2.98 2.98	371.9 303.6 323.
Com 01 Com 02 Com 02 Com 03 Ret 06 Ret 05 Ret 04 Ret 03 Ret 01 Ret 02 Ret 03 Ret 03 Ret 03 Ret 04	N N N N N N N N N N S S S S	2.40 2.40 2.40 2.40 2.60 2.60 2.60 2.60 2.60 2.60 2.60	0.90 0.90 0.90 0.90 0.90 4.00 5.40 5.40 5.30 5.30	2.2 2.2 2.2 2.2 2.2 2.2 22.9 10.4 14.0 14.0 13.8 13.8	4.50 4.50 4.50 4.50 4.50 4.50 4.50 4.50	0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35	1 1 1 1 1,5 1,5 1,5 1,5 2,7 2,7	3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2	each wall type or Wall elements BV BV BV	Face W N S	A 124.80 101.90 108.50	Rt 2.98 2.98 2.98	371.9 303.6 323.
Com 01 Com 02 Com 02 Com 03 Com 03 Ret 06 Ret 05 Ret 04 Ret 03 Ret 01 Ret 02 Ret 03 Ret 04 Ret 03 Ret 04 Ret 02 Ret 03 Ret 04 Ret 04 Ret 05	N N N N N N N N N N N N S S S S S S	2.40 2.40 2.40 2.40 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.6	0.90 0.90 0.90 0.90 0.90 4.00 5.40 5.30 5.30 5.30	2.2 2.2 2.2 2.2 2.2 2.2 10.4 14.0 14.0 13.8 13.8 13.8	4.50 4.50 4.50 4.50 4.50 4.50 4.50 4.50	0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.36 0.36 0.35 0.35 0.35	1 1 1 1 1 1.5 1.5 1.5 1.5 2.7 2.7 2.7	3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2	each wall type or Wall elements BV BV BV	Face W N S	A 124.80 101.90 108.50	Rt 2.98 2.98 2.98	371.9( 303.6( 323.5 145.42
Com 01	N N N N N N N N N N N N N N N N N N N	2.40 2.40 2.40 2.40 2.60 2.60 2.60 2.60 2.60 2.60 2.60 2.6	0.90 0.90 0.90 0.90 0.90 4.00 5.40 5.30 5.30 5.30 3.80	2.2 2.2 2.2 2.2 2.2 2.2 2.2 10.4 14.0 14.0 13.8 13.8 13.8	4.50 4.50 4.50 4.50 4.50 4.50 4.50 4.50	0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35	1 1 1 1 1,5 1,5 1,5 1,5 2,7 2,7 2,7 2,7	3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2	each wall type or Wall elements BV BV BV	Face W N S	A 124.80 101.90 108.50	Rt 2.98 2.98 2.98	A x Rt 371.90 303.66 323.3 145.42

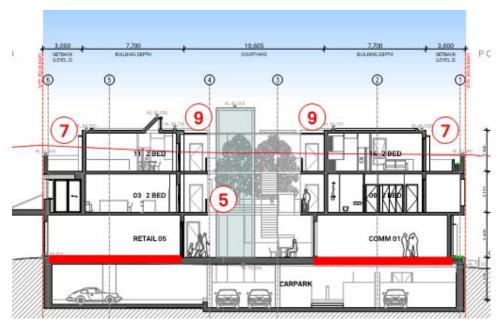


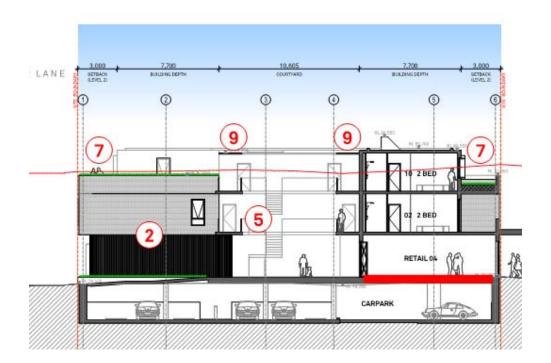


		Provide evidence to PCA	Certifier action
(e) Climate zone 5	Wall area <80% or more of wall-glazing construction area	Not applicable	Note
Similate 25fle 5	Class 3 or 9b building or Class 9a ward area		
	wall Total R-Value R-0.10		
(e) Climate zone 6	Wall area <80% or more of wall-glazing construction area	Not applicable	Note
Climate zone 6	Class 3 or 9b building or Class 9a ward area		
	wall Total R-Value R-0.07		

		Provide evidence to PCA	Certifier action
J1.6	Floor insulation.	Provide R 1.7 insulation.	PCA must satisfy himself that the
(a)	Total floor R 2.0 required		installation is compliant.
Climate zones 5 and 6	RC floor R 0.3		







## 2. PART J2 - not used

## 3. PART J3 BUILDING SEALING

		Provide evidence to PCA	Certifier action
J3.1	Note: includes Building Class 2	Applies	Note.
NSW J(A)2			
J3.2	CHIMNEYS AND FLUES		Note
NSW J(A)2			
	chimney or flue of an open solid-fuel burning appliance	Not applicable	Note
	provide a damper or flap that can be closed to seal the chimney or flue.		
J3.3 (a) NSW J(A)2	ROOF LIGHTS sealed, or capable of being sealed	Applies	Certify that the installation is deemed to satisfy
(b)	Constructed with—	Applies	Certify that the installation is deemed to
NSW J(A)2	an imperforate ceiling diffuser or the		satisfy
Climates zones 5 and 6	like installed at the ceiling or internal lining level; or		
3 and 0	a weatherproof seal; or		
	a shutter system readily operated either manually, mechanically or electronically by the occupant.		

		Provide evidence to PCA	Certifier action
J3.4 NSW J(A)2	WINDOWS AND DOORS Climate zones 5 and 6 must be sealed	Applies	Certify that the installation is deemed to satisfy
(a)	except		
And (b)	windows and doors to AS 2017		
	fire door		
	smoke door		
	roller shutter door - out of hours		
	shutter grille - out of hours		
	other security door or device - out of hours		
(c)	seal to restrict air infiltration	Applies	Certify that the installation is deemed to
NSW J(A)2	bottom edge of a door, must have a draft protection device;		satisfy
(d) NSW J(A)2	Provide self-closing doors to entrances	Applies	Certify that the installation is deemed to satisfy
J3.5 NSW J(A)2	Windows and doors  Exhaust fans  Fit with a sealing device such as a self-closing damper	Applies	Certify that the installation is deemed to satisfy
J3.6	Construction of ceilings, walls and floors	Show construction details and as installed evidences	Certify that the installation is deemed to satisfy
NSW J(A)2	Ceilings, walls, floors and any opening such as a window frame, door frame, roof light frame or the like must be constructed to minimise air leakage in accordance with (b) when forming part of—	evidences	Juliary

		Provide evidence to PCA	Certifier action
	(i)the envelope; or (ii)in climate zones 4, 5, 6, 7 or 8.		
	Construction required by must be— (i)enclosed by internal lining systems that are close fitting at ceiling, wall and floor junctions; or (ii)sealed at junctions and penetrations with— (A)close fitting architrave, skirting or cornice; or (B)expanding foam, rubber compressible strip, caulking or the like.		
J3.7 NSW J(A)2	Evaporative coolers	Not applicable	Certify that the installation is deemed to satisfy

## 4. PART J4 - not used

	Provide evidence to PCA	Certifier action
J4.0	None	Note

## 5. PART J5 AIR CONDITIONING

		Action by a/c designer at CC and thereafter	Certifier action
J5.1 NSW J(A)3	Note: includes Building Class 2	Applies	Note
J5.2 NSW J(A)3	<ul> <li>Capable of being deactivated.</li> <li>Dampers close when a/c deactivated.</li> <li>Ductwork sealed and insulated.</li> <li>Capable of controlling temperature during sleeping periods.</li> <li>Fan power to Table J5.2.</li> </ul>	Applies	Refer separate report by a/c designer  Certify that the installation is deemed to satisfy
J5.3 NSW J(A)3	Time Switch	Applies	Refer separate report by a/c designer  Certify that the installation is deemed to satisfy
5.4 NSW J(A)3	Applies if Heating And Cooling System installed	Applies	Refer separate report by a/c designer  Certify that the installation is deemed to satisfy
5.5 NSW J(A)3	Applies if Miscellaneous Exhaust Systems installed	Applies	Refer separate report by a/c designer  Certify that the installation is deemed to satisfy

## 6. PART J6 ARTIFICIAL LIGHTING AND POWER

		Provide evidence to PCA	Certifier action
6		Applies	Certify that the installation is deemed to satisfy  Refer also lighting designer certifications for compliance with Illumination code Part F4.
6.2	Submit to BCA, completed calculations from the following spreadsheet <a href="http://www.abcb.gov.au/Resources/Tools-Calculators/Lighting-Calculator">http://www.abcb.gov.au/Resources/Tools-Calculators/Lighting-Calculator</a>	Applies	Refer separate report by lighting designer  Certify that the installation is deemed to satisfy
6.3	Room or space Provide individually operated switch or other device control unless SOU for people with disability or aged. Locate	Applies	Refer separate report by lighting designer  Certify that the installation is deemed to satisfy
	Switch controls location In visible position in room serviced or adjacent room.	Applies	
	Time switch To Specification J6	Applies	Refer separate report by lighting designer  Certify that the installation is deemed to satisfy
6.4	Interior Decorative & Display Lighting	Applies	Refer separate report by lighting designer

		Provide evidence to PCA	Certifier action
			Certify that the installation is deemed to satisfy
6.5	Perimeter lighting  Control by a  daylight sensor or a programmable time switch.	Applies	Refer separate report by lighting designer  Certify that the installation is deemed to satisfy
	When the perimeter lighting load exceeds 100W the light source efficacy must not be less than 60 Lumens/W or Controlled by a motion detector in accordance with Specification J6	Applies	Refer separate report by lighting designer  Certify that the installation is deemed to satisfy
	Decorative lighting	Applies	Refer separate report by lighting designer  Certify that the installation is deemed to satisfy
6.6	Boiling Water and chilled water storage units	Applies	Refer separate report by lighting designer  Certify that the installation is deemed to satisfy

## 7. PART J7 HEATED WATER SUPPLY AND SWIMMING POOL AND SPA POOL PLANT

		Provide evidence to PCA	Certifier action
7.2 NSW J(A)4	Note: Includes Building Class 2  Design and install in accordance with Part B2 of NCC Volume Three — Plumbing Code of Australia.	Applies	Refer separate report by Hydraulic and Electrical consultants

## 8. PART J8 ACCESS FOR MAINTENANCE

		Provide evidence to PCA	Certifier action
8.2	Note: includes Building Class 2	Inclusions	Certify that respective controls are in
NSW J(A)4	Provide access to any operable	Times switches	place.
	controls.	Thermostats	
		Air dampers	
		Light fittings	
		Heat transfer equipment	

END OF REPORT
END OF DOCUMENT
END OF FILE