



REPORT

VIC LILLI
&PARTNERS

PREPARED FOR

Bovis Lend Lease

**BUILDING CODE OF AUSTRALIA
ASSESSMENT REPORT**

PREMISES

7 Parkview Drive, Homebush Bay

Reference: J070403

Date: 6 November 2009

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1.0 BASIS OF ASSESSMENT

1.1 Location

The building development, the subject of this report, is located at 7 Parkview Drive, Homebush Bay within Sydney Olympic Park.

1.2 Building Code of Australia

This report is based on the Deemed-to-Satisfy provisions of the Building Code of Australia, 2009 Edition incorporating the N.S.W. variations where applicable.

1.3 Development of Proposal

The building development, the subject of this report, comprises the construction of commercial building having five storeys of commercial space and three levels of parking.

1.4 Design Documentation

This report has been based on the following architectural design documentation, as prepared by Turner & Associates

Drawing No.	Title	Issue
EA000	Cover page	A
EA001	Site planning	A
EA002	Site analysis	A
EA100	Basement 02 plan	A
EA101	Basement 01 plan	A
EA102	Ground floor plan	A
EA103	Upper ground floor plan	A
EA105	Typical floor plan	A
EA106	Plant level plan	A
EA110	Area schedule	A
EA300	South Elevation	A
EA302	North elevation	A
EA400	Section A	A
EA401	Section B	A
EA402	Section C	A
EA500	Shadow studies	A
EA700	Perspective views	A
EA701	Perspective views	A
EA702	Perspective views	A
EA703	Perspective views	P1

2.0 BUILDING DESCRIPTION

For the purposes of the Building Code of Australia 2009 (BCA) the development may be described as follows.

2.1 Rise in Storeys (Clause C1.2)

The building has a rise in storeys of six (6)

2.2 Classification (Clause A3.2)

The building has been classified as follows:-

Class 5 – Offices

Class 7a – Carpark

Note: The café area on the upper ground floor has not been classified separately as a Class 6 use as it does not take up more than 10% of the floor area of the storey.

2.3 Effective Height (Clause A1.1)

The building has an effective height of 17.8m.

2.4 Type of Construction Required (Table C1.1)

The building is to be of Type A Construction.

2.5 Floor Area and Volume Limitations (Table C2.2)

The building is subject to maximum floor area and volume limits of :-

Class 5	Maximum Floor Area	8,000m ²
	Maximum Volume	48,000 m ²

Note:

No Floor area and volume limitations are applicable to a sprinklered carpark.

3.0 ALTERNATIVE SOLUTIONS

3.1 BCA Structure

Under the provisions of BCA Clause A0.5, compliance is achieved with the Performance Requirements of the BCA in the following circumstances.

- (a) By complying with the Deemed-to-Satisfy Provisions; or
- (b) Formulating an Alternative Solution which—
 - (i) complies with the Performance Requirements; or
 - (ii) is shown to be at least equivalent to the Deemed-to-Satisfy Provisions; or
- (c) a combination of (a) and (b).

3.2 Compliance with the BCA

The building as designed contains several aspects that do not achieve compliance with the Deemed-to-Satisfy requirements of the Building Code of Australia.

Notwithstanding these aspects of non-compliance, the design has been assessed as being compliant with the applicable BCA Performance Requirements as permitted by BCA Clause A0.5 (b).

3.3 Alternative solutions

The alternative solutions identified incorporate the following aspects of design

- (i) The building contains window openings adjacent to the western property boundary (North elevation) that must be protected to the requirements of Clause C3.4. Those window openings incorporate more than 1/3rd of the area of the façade of the storey in each case.

This aspect of the design has been assessed against the provisions of BCA Performance Requirement CP2 under BCA Clause A0.5 (b) (ii). That assessment demonstrated equivalence against a building achieving compliance with the Deemed-to-Satisfy requirements of the BCA.

The alternative solution proposed incorporates the creation of a 6m wide easement to the adjoining property, in favour of the subject property, prohibiting the erection of a building within that zone.

The effect of the easement is to create a clear space between the subject building and any potential adjacent fire source feature that is at least equivalent to that which would be anticipated for a building achieving compliance with BCA Part C3.

- (ii) The distance from the southern end of basement levels 1 & 2 to a point where travel is available in different directions to alternative exits exceeds the permissible 20m.

The current design has been assessed against the provisions of BCA Performance Requirements DP4 & EP2.2 under BCA Clause A0.5 (b) (ii)

by demonstration of equivalence to a building complying with the Deemed-to-Satisfy requirements of the BCA.

That assessment indicates the achievement of compliance by virtue of the following

- a) The reduction of the Required Safe Egress Time with the provision of fast response sprinklers in lieu of ordinary response sprinklers and the provision of voice annunciation to the Occupant Warning System. This variation provides an earlier and clearer warning to occupants enabling them to evacuate the building earlier than would otherwise be anticipated.
 - b) Provision of additional directional signage to ensure that occupants are aware of the location of exits at all times.
- (iii) The distance between alternative exits to the Ground floor B level exceeds the maximum permissible 60m (approximately 64m).

The current design has been assessed against the provisions of BCA Performance Requirements DP4 & EP2.2 under BCA Clause A0.5 (b) (ii) by demonstration of equivalence to a building complying with the Deemed-to-Satisfy requirements of the BCA.

That assessment indicates the achievement of compliance by virtue of the following

- c) The reduction of the Required Safe Egress Time with the provision of fast response sprinklers in lieu of ordinary response sprinklers and the provision of voice annunciation to the Occupant Warning System. This variation provides an earlier and clearer warning to occupants enabling them to evacuate the building earlier than would otherwise be anticipated.
 - d) Provision of additional directional signage to ensure that occupants are aware of the location of exits at all times.
 - e) An additional point of egress has been provided to the fire isolated passageway to the northern side of the carpark. Whilst this exit is not an alternative exit for the purposes of the BCA, it provides occupants with an additional point of egress from that area of the building.
- (iv) The typical office levels within the building, whilst achieving compliance with the exit travel distances of the BCA in the current design, will likely not achieve compliant exit travel distances on construction of a fitout.

The potential design has been assessed against the provisions of BCA Performance Requirements DP4 & EP2.2 under BCA Clause A0.5 (b) (ii) by demonstration of equivalence to a building complying with the Deemed-to-Satisfy requirements of the BCA.

That assessment indicates the achievement of compliance by virtue of the following

- a) The reduction of the Required Safe Egress Time with the provision of voice annunciation to the Occupant Warning System. This variation provides a clearer warning to occupants that has been demonstrated to achieve earlier evacuation than would otherwise be anticipated.
- b) Provision of additional directional signage to ensure that occupants are aware of the location of exits at all times.
- c) Where appropriate, provide smoke sealing to any wall separating the common area passageway from the tenancy space in order to create an area of relative safety within an acceptable distance of travel from each tenancy.

Any necessary evaluation of tenancy fitouts will need to be undertaken in the design of those fitouts.

3.4 Verification by Fire Safety Engineer

Whilst the proposed design has been assessed against the relevant BCA Performance Requirements there is insufficient design detail to enable the verification of the design by way of calculation.

On completion of design development the alternative solutions must be verified by an Accredited Fire Safety Engineer to confirm compliance.

4.0 STATEMENT OF COMPLIANCE

4.1 Recommendations

Subsequent to our assessment of the proposed commercial building it is recommended that the following matters having a potential impact on the design of the building be addressed.

- (v) The windows adjacent to the western property boundary (North elevation) must be protected to the requirements of Clause C3.4. An alternative solution incorporating an easement over the adjoining property in lieu of drencher protection may be verified against BCA Performance Requirement CP2
- (vi) The window openings identified above incorporate more than 1/3rd of the area of the façade of the storey in each case and as such do not comply. An alternative solution incorporating an easement over the adjoining property in lieu of drencher protection may be verified against BCA Performance Requirement CP2
- (vii) The distance from the southern end of basement levels 1 & 2 to a point where travel is available in different directions to alternative exits exceeds the permissible 20m. To address this issue it will be necessary to provide a stairway connecting the split portions of each level (being RL5.0 connected with RL6.4 & RL7.8 connected with RL9.2). That stairway should be in the vicinity of the vehicle ramp
- (viii) The distance between alternative exits to the Ground floor B level exceeds the maximum permissible 60m (approximately 64m). To address this issue it will be necessary to provide a stairway linking Ground floor A & Ground floor B in the vicinity of the lift pit or the southern side of the northern vehicle ramp. Alternatively, it may be possible to verify the current design as an alternative solution under BCA Performance Requirements DP4 & EP2.2.

4.2 Conclusion

The architectural design documentation as referred to in this report has been assessed against the applicable provisions of the Building Code of Australia 2009 (BCA) and it is considered that such documentation complies or is capable of complying with that Code as outlined in Annexure A.

Author,



Mark Brentnall
for **Vic Lilli & Partners**

ANNEXURE A

DETAILED ASSESSMENT OF THE DEEMED-TO-SATISFY PROVISIONS OF THE BUILDING CODE OF AUSTRALIA

1.0 BUILDING ASSESSMENT

1.1 Compliance Basis

Outlined below is a detailed assessment of the relevant Deemed-to-Satisfy provisions of The Building Code of Australia.

All Deemed-to-Satisfy clauses that are applicable to the subject building have been referred to below, including a comment adjacent to each clause of the proposal's ability to satisfy each respective clause.

1.2 Identification Method

The abbreviations outlined below have been used in the following tables:-

N/A	-	Not Applicable. The Deemed-to-Satisfy clause does not apply to the subject building.
Complies	-	The relevant provisions of the Deemed-to-Satisfy clause have been satisfied by the proposed design.
CRA	-	<p>'COMPLIANCE READILY ACHIEVABLE'. It is considered that there was not enough information included in the architectural documentation to accurately determine strict compliance with the individual clause requirements. However, subject to noting the requirements of each clause, compliance can be readily achieved.</p> <p>This information may be included in other documentation, which was not forwarded to this office for assessment, such as door schedules, electrical, mechanical and hydraulic design documentation.</p>
FI	-	Further Information is necessary to determine the compliance potential of the building design.
AS	-	Alternative Solution with respect to this Deemed-to-Satisfy Provision is necessary to satisfy the relevant Performance Requirements.
DNC	-	Does Not Comply

DEEMED TO SATISFY CLAUSE ASSESSMENT SUMMARY

SECTION B: STRUCTURE		
PART B1 – STRUCTURAL PROVISIONS		
B1.0: Deemed-to-Satisfy Provisions	Noted	
B1.1: Resistance to Actions	For Information Only – Structural Engineer to certify.	CRA
B1.2: Determination of Individual Actions		CRA
B1.3 Loads		CRA
B1.4: Determination of Structural Resistance of Materials and Forms of Construction		CRA

SECTION C: FIRE RESISTANCE		
PART C1 – FIRE RESISTANCE AND STABILITY		
C1.0: Deemed-to-Satisfy Provisions	Noted	-
C1.1: Type of Construction Required	The building is to be of Type A Construction	-
C1.2: Calculation of Rise in Storeys	The building has a rise in storeys of six	-
C1.3: Buildings of Multiple Classification		Noted
C1.4: Mixed Types of Construction		NA
C1.5: Two storey Class 2, 3 or 9c buildings		NA
C1.6: Class 4 parts of buildings		NA
C1.7: Open spectator stands & indoor sports stadiums		NA
C1.8: Lightweight Construction		NA
C1.10: Fire Hazard Properties		CRA
C1.11: Performance of External Walls in Fire		NA
C1.12: Non-combustible Materials	Information only.	-
PART C2 - COMPARTMENTATION AND SEPARATION		
C2.0: Deemed-to-Satisfy Provisions	Noted	-
C2.1: Application of Part	Noted	-
C2.2: General Floor Area and Volume Limitations	Maximum area – 8,000m ² Maximum volume – 48,000m ³	Complies
C2.3: Large isolated buildings		NA
C2.4: Requirements for open spaces & vehicular access		NA
C2.5: Class 9a & 9c buildings		NA
C2.6: Vertical separation of openings in external walls		CRA
C2.7: Separation by Fire Walls		NA
C2.8: Separation of Classifications in the Same Storey		NA
C2.9: Separation of Classifications in Different Storeys		CRA
C2.10: Separation of Lift Shafts		CRA
C2.11: Stairways and Lifts in One Shaft		Complies
C2.12: Separation of Equipment		NA
C2.13: Electricity Supply System		CRA
C2.14: Public corridors in Class 2 & 3 buildings		NA

PART C3 – PROTECTION OF OPENINGS		
C3.0: Deemed to satisfy provisions		-
C3.1: Application of part		-
C3.2: Protection of openings in external walls	<p>The windows adjacent to the western property boundary (North elevation) must be protected to the requirements of Clause C3.4.</p> <p>An alternative solution incorporating an easement over the adjoining property in lieu of drencher protection may be verified against BCA Performance Requirement CP2</p>	AS
NSW C3.2: Protection of openings in external walls	<p>The window openings identified above incorporate more than 1/3rd of the area of the façade of the storey in each case and as such do not comply.</p> <p>As with the above, an alternative solution incorporating an easement over the adjoining property in lieu of drencher protection may be verified against BCA Performance Requirement CP2</p>	AS
C3.3: Separation of external walls and associated openings in different fire compartments		NA
C3.4: Acceptable methods of protection	As above	AS
C3.5: Doorways in fire walls		NA
C3.6: Sliding fire doors		NA
C3.7: Protection of doorways in horizontal exits		NA
C3.8: Openings in fire isolated exits		CRA
C3.9: Service penetrations in fire isolated exits		CRA
C3.10: Openings in fire-isolated lift shafts		CRA
C3.11: Bounding construction: Class 2, 3 & 4 buildings		NA
C3.12: Openings in floors & ceilings for services		CRA
C3.13: Openings in shafts		CRA
C3.15: Openings for service installations		CRA
C3.16: Construction joints		CRA
C3.17: Columns protected with lightweight construction to achieve an FRL		NA

SPECIFICATION C1.1 –FIRE RESISTING CONSTRUCTION		
2.1: Exposure to fire source features		-
2.2: Fire protection for a support of another part		-
2.3: Lintels		-
2.4: Attachments not to impair fire resistance		CRA
2.5: General concessions		NA
2.6: Mezzanine floors: Concession		NA
2.7: Enclosure of shafts		CRA
2.8: Carparks in Class 2 & 3 buildings		NA
2.9: Residential aged care buildings		NA
3.1: Fire resistance of building elements – Type A construction (including Table 3)		CRA
3.2: Concessions for floors		NA
3.3: Floor loading of Class 5 & 9b buildings: Concession		CRA
3.4: Roof superimposed on concrete slab		NA
3.5: Roof – concession		NA
3.6: Rooflights		NA
3.7: Internal columns & walls: Concession		CRA
3.8: Open spectator stands & indoor sports stadiums: Concession		NA
3.9: Carparks (including Table 3.9)		CRA
3.10: Class 2 buildings: Concession		NA

SPECIFICATION C1.10 –FIRE HAZARD PROPERTIES – GENERAL		
1: Scope		-
2: Class 2 to 9 buildings: General requirements		CRA
3: Fire isolated exits		CRA
4: Class 2, 3 & 9 buildings		NA
8: Air handling ductwork		CRA
9: Lift cars		CRA

SPECIFICATION C1.10a –FIRE HAZARD PROPERTIES – FLOORS WALLS AND CEILINGS		
1: Scope		-
2: Floor materials & floor coverings		CRA
3: Walls & ceilings		CRA
4: Lift cars		CRA

SPECIFICATION C3.4 – FIRE DOORS, SMOKE DOORS, FIRE WINDOWS AND SHUTTERS		
1: Scope		-
2: Fire doors		CRA
3: Smoke doors		NA
4: Fire shutters		NA
5: Fire windows		NA

SPECIFICATION 3.15 – PENETRATION OF WALLS, FLOORS & CEILINGS		
1: Scope		-
2: Application		-
3: Metal pipe systems		CRA
4: Pipes penetrating sanitary compartments		CRA
5: Wires & cables		CRA
6: Electrical switches & outlets		CRA
7: Fire stopping		CRA

SECTION D: ACCESS AND EGRESS		
PART D1 – PROVISION FOR ESCAPE		
D1.0: Deemed-to-Satisfy Provisions	Noted	-
D1.1: Application of Part	Noted	-
D1.2: Number of Exits Required		Complies
D1.3: When Fire-Isolated Stairways and Ramps are Required		Complies
D1.4: Exit travel distances	<p>The distance from the southern end of basement levels 1 & 2 to a point where travel is available in different directions to alternative exits exceeds the permissible 20m.</p> <p>To address this issue it will be necessary to provide a stairway connecting the split portions of each level (being RL5.0 connected with RL6.4 & RL7.8 connected with RL9.2). That stairway should be in the vicinity of the vehicle ramp</p>	FI
D1.5: Distance Between Alternative Exits	<p>The distance between alternative exits to the Ground floor B level exceeds the maximum permissible 60m (approximately 64m).</p> <p>To address this issue it will be necessary to provide a stairway linking Ground floor A & Ground floor B in the vicinity of the lift pit or the southern side of the northern vehicle ramp. Alternatively, it may be possible to verify the current design as an alternative solution under BCA Performance Requirements DP4 & EP2.2.</p>	FI
D1.6: Dimensions of Exits and Paths of Travel to Exits	The clear width of the doorways to each exit in the office levels must be no less than 1m.	CRA
D1.7: Travel via Fire-Isolated Exits		Complies
D1.8: External stairways or ramps in lieu of fire-isolated exits		NA
D1.9: Travel by Non Fire-Isolated Stairways or Ramps		Complies
D1.10: Discharge from Exits		Complies
D1.11: Horizontal exits		NA
D1.12: Non-required stairways or ramps		NA
D1.13: Number of Persons Accommodated		Noted
D1.14: Measurement of Distances	Information only.	Noted
D1.15: Method of Measurement	Information only.	Noted
D1.16: Plant Rooms and Lift Motor Rooms: Concession		CRA
D1.17: Access to Lift Pits		CRA
PART D2 – CONSTRUCTION OF EXITS		
D2.0: Deemed-to-Satisfy Provisions	Noted	-
D2.1: Application of Part	Noted	-
NSW D2.1: Application of part	Noted	-
D2.2: Fire-Isolated Stairways and Ramps		CRA
D2.3: Non-Fire-Isolated Stairways and Ramps		CRA
D2.4: Separation of Rising and Descending Stair Flights		CRA
D2.5: Open access ramps & balconies		NA
D2.6: Smoke lobbies		NA
D2.7: Installations in Exits and Paths of Travel		CRA
D2.8: Enclosure of Space Under Stairs and		Complies

Ramps		
D2.9: Width of Stairways		CRA
D2.10: Pedestrian Ramps		CRA
D2.11: Fire-Isolated Passageways		CRA
D2.12: Roof as open space		NA
D2.13: Goings and Risers		CRA
D2.14: Landings		CRA
D2.15: Thresholds		CRA
D2.16: Balustrades or other barriers		CRA
D2.17: Handrails		CRA
D2.18: Fixed Platforms, Walkways Stairways and Ladders		NA
D2.19: Doorways and Doors		Complies
D2.20: Swinging Doors		Complies
D2.21: Operation of Latch	The latch to the sliding doors at the building entry are to fail-safe open in the event of a fire	CRA
D2.22: Re-entry from Fire-Isolated Exits		NA
D2.23: Signs on Doors		CRA

PART D3 - ACCESS FOR PEOPLE WITH DISABILITIES		
D3.0: Deemed-to-Satisfy Provisions	Noted	-
D3.1: Application of Part	Noted	-
D3.2: General Building Access Requirements		CRA
D3.3: Parts of Buildings to be Accessible		CRA
D3.4: Concessions		-
D3.5: Car Parking		CRA
D3.6: Identification of Accessible Facilities, Services and Features		CRA
D3.7: Hearing augmentation		NA
D3.8: Tactile Indicators		CRA

SPECIFICATION D3.6 – BRAILLE AND TACTILE SIGNS		
1. Scope		-
2. Braille and Tactile Signage		-
2.1 Location of Braille and Tactile Signs		CRA
2.2 Braille and Tactile Sign Specification		CRA
2.3 Luminance-contrast		CRA
2.4 Lighting		CRA
2.5 Braille		CRA

SECTION E: SERVICES AND EQUIPMENT		
PART E1 – FIRE FIGHTING EQUIPMENT		
E1.0: Deemed-to-Satisfy Provisions	Noted	
E1.3: Fire Hydrants		CRA
E1.4: Fire Hose Reels		CRA
E1.5: Sprinklers		NA
E1.6: Portable Fire Extinguishers	PFE's are to be installed in accordance with AS 2444.	CRA
E1.8: Fire control centres		NA
E1.9: Fire Precautions During Construction	Information only.	-
E1.10: Provision for special hazards		NA
PART E2 – SMOKE HAZARD MANAGEMENT		
E2.0: Deemed-to-Satisfy Provisions	Noted	
E2.1: Application of Part	Noted	
E2.2: General Requirements (including Tables E2.2a and E2.2b)	Air handling system to be shut down in the event of fire Smoke detection and alarm system to be installed	CRA
E2.3: Provision for special hazards		NA
SPECIFICATION E2.2a – SMOKE DETECTION AND ALARM SYSTEMS		
1: Scope	Noted	
2: Type of System		CRA
3: Smoke alarm system		NA
4: Smoke Detection System		CRA
5: Smoke detection for smoke control systems		NA
6: Building Occupant Warning System		CRA
7: System monitoring		NA
PART E3 – LIFT INSTALLATIONS		
E3.0: Deemed-to-Satisfy Provisions	Noted	
E3.2: Stretcher facilities in lifts		Complies
E3.3: Warning Against Use of Lifts in Fire	Signage warning against using the lifts in the event of a fire must be provided in accordance with this clause.	CRA
E3.4: Emergency lifts		NA
E3.5: Landings		CRA
E3.6: Facilities for People with Disabilities	The lift is to comply with AS1735.12 as per this clause.	CRA
E3.7: Fire Service Controls		CRA
E3.8: Aged care buildings		NA
PART E4 – EMERGENCY LIGHTING, EXIT SIGNS AND WARNING SYSTEMS		
E4.0: Deemed-to-Satisfy Provisions	Noted	-
E4.2: Emergency Lighting Requirements		CRA
E4.3: Measurement of Distance	Information only.	
E4.4: Design and Operation of Emergency Lighting		CRA
E4.5: Exit Signs		CRA
E4.6: Direction Signs		CRA
E4.7: Class 2 & 3 buildings & Class 4 parts: Exemptions		NA
E4.8: Design and Operation of Exit Signs		CRA
E4.9: Sound systems & intercom systems for emergency purposes		NA

SECTION F: HEALTH AND AMENITY		
PART F1 – DAMP AND WEATHERPROOFING		
F1.0: Deemed-to-Satisfy Provisions	Noted	
F1.1: Stormwater Drainage	Stormwater drainage to comply with AS 3500.3.2.	CRA
F1.7: Water Proofing of Wet Areas in Buildings	Waterproofing to wet areas to comply with AS 3740.	CRA
F1.9: Damp-proofing	Moisture is to be prevented from reaching the walls above a damp-proof course, and the underside of the suspended floors.	CRA
F1.10: Damp-proofing of Floors on the Ground	A vapour barrier in accordance with AS 2870 must be installed.	CRA
F1.11: Provision of Floor Wastes		CRA
F1.13: Glazed Assemblies	Glazed assemblies are to comply with AS 2047 and AS 1288.	CRA

PART F2 – SANITARY AND OTHER FACILITIES		
F2.0: Deemed-to-Satisfy Provisions	Noted	-
F2.1: Facilities in residential buildings		NA
F2.2: Calculation of Number of Occupants and Facilities		-
F2.3: Facilities in Class 3 to 9 Buildings (including Table F2.3)	The proposed facilities are adequate to cater for the anticipated population	Complies
F2.4: Facilities for People with Disabilities (including Table F2.4)		CRA
F2.5: Construction of Sanitary Compartments		Complies
F2.6: Interpretation: Urinals and Washbasins	A closet pan may be considered as a urinal. This interpretation has been used in the assessment of the sanitary facilities to this building.	-
F2.8: Waste management		NA

PART F3 – ROOM SIZES		
F3.0: Deemed-to-Satisfy Provisions	Noted	
F3.1: Height of Rooms and Other Spaces		Complies

PART F4 – LIGHT AND VENTILATION		
F4.0: Deemed-to-Satisfy Provisions	Noted	-
F4.1: Provision of Natural Light		NA
F4.2: Methods & extent of natural lighting		NA
F4.3: Natural light borrowed from adjoining room		NA
F4.4: Artificial Lighting		CRA
F4.5: Ventilation of Rooms		CRA
F4.6: Natural ventilation		NA
F4.7: Ventilation borrowed from adjoining room		NA
F4.8: Restriction on Position of Water Closets and Urinals		Complies
F4.9: Airlocks		Complies
F4.11: Carparks		CRA
F4.12: Kitchen Local Exhaust Ventilation		CRA

SECTION J: ENERGY EFFICIENCY (Class 3 and 5-9)		
PART J1 – BUILDING FABRIC		
J1.0: Deemed-to-Satisfy Provisions	Noted	-
J1.1: Application of Part		-
J1.2: Thermal Construction General		CRA
J1.3: Roof and Ceiling Construction		CRA
J1.4: Roof Lights		NA
J1.5: Walls		CRA
J1.6: Floors		Complies
PART J2 – EXTERNAL GLAZING		
J2.0: Deemed-to-Satisfy Provisions	Noted	-
J2.1: Application of Part		-
J2.2: Applicable Glazing Provisions		CRA
J2.3: Glazing – Method 1		NA
J2.4: Glazing – Method 2		CRA
J2.5: Shading		CRA
PART J3 – BUILDING SEALING		
J3.0: Deemed-to-Satisfy Provisions	Noted	-
J3.1: Application of Part		-
J3.2: Chimneys & flues		NA
J3.3: Roof Lights		NA
J3.4: External Windows and Doors		CRA
J3.5: Exhaust Fans		CRA
J3.6: Construction of Roofs, Walls and Floors		CRA
J3.7: Evaporative coolers		NA
PART J5 – AIR-CONDITION AND VENTILATION SYSTEMS		
J5.0: Deemed-to-Satisfy Provisions		-
J5.2: Air-conditioning and Ventilation Systems		CRA
J5.3: Time Switch		CRA
J5.5: Miscellaneous exhaust systems		CRA
PART J6 – ARTIFICIAL LIGHTING & POWER		
J6.0: Deemed-to-Satisfy provisions		-
J6.1: Application of part		-
J6.2: Interior artificial lighting		CRA
J6.3: Interior artificial lighting and power control		CRA
J6.4: Interior decorative and display lighting		CRA
J6.5: Artificial lighting around the perimeter of a building		CRA
J6.6: Boiling water & chilled water systems		CRA
PART J7 – HOT WATER SUPPLY		
J7.0: Deemed-to-Satisfy provisions		-
J7.2: Hot water supply		CRA