



**STEVE WATSON
& PARTNERS**

BUILDING REGULATIONS CONSULTANTS
 BUILDING REGULATIONS
 AND SURVEYING CONSULTANTS
 100/101 STATION STREET
 BRISBANE QLD 4000

Job No: 2005/307

Friday, 3 August 2012

Pittwater Council
 PO Box 882
 Mona Vale NSW 1660

Attention: General Manager

RE: Interim Occupation Certificate No. 05/307/04
 6-14 Macpherson Street, Warriewood

RECEIVED
 17 AUG 2012
 PITTWATER COUNCIL

Please find attached a copy of Occupation Certificate 05/307/04 and required attachments issued by Steve Watson & Partners for the above mentioned development in accordance with Section 109C(1)(c) and 109H of the Environmental Planning and Assessment Act 1979.

Please find attached a cheque in the amount of \$36.00 payable for the registration of the Occupation Certificate.

Can you please forward SWP a receipt for the acknowledgment of the lodgement cheque.

With regard to the attached certificate please do not hesitate to contact me should you have any queries or require any further information.

Regards,

Anthony Marelic
 Assistant Building Regulations Consultant
 Steve Watson & Partners Pty Ltd

\$36 REC: 326131 19/8/12



STEVE WATSON & PARTNERS

BUILDING REGULATIONS CONSULTANTS AND CERTIFIERS
FIRE SAFETY ENGINEERS

LEVEL 5, 432 KENT STREET, SYDNEY NSW 2000
TEL +61 2 9283 6555 IFAX +61 2 9283 8500
sydney@swpartners.com.au
www.swpartners.com.au
ABN 48 102 366 576

INTERIM OCCUPATION CERTIFICATE

Issued under the Environmental Planning and Assessment Act 1979 Section 109C(1)(c) and 109H

Final Occupation Certificate No. 05/307/04

Steve Watson and Partners certify that:

- They have been appointed as the Principal Certifying Authority under section 109E.
- A Development Consent/Complying Development Certificate is in force with respect to the building.
- A Construction Certificate has been issued with respect to the plans and specifications for the building.
- The building is suitable for occupation or use in accordance with its classification under the Building Code of Australia.
- Where required, a Final Fire Safety Certificate has been issued for the building.
- Where required, a report from the Commissioner of Fire Brigades has been considered.

Applicant	Name: Anglican Retirement Villages Address: PO Box 284 Suburb: Baulkham Hills State: NSW Postcode: 1765
Location of the Property	Address: 6-14 Macpherson Street Suburb: Warriewood State: NSW Postcode: 2102 Real Property Description: Lot A & B DP 400488, Lot 22 DP 5464, Lot 5-8 DP 1115877 and Lot A & B DP 358765
Building Description	Construction of seniors living independent living units development including 25 independent living units, ground level car parking, community centre with multipurpose space, cafe, gym, indoor swimming pool, medical consulting rooms. External works including landscaping, driveway and car parking. (excluding cafe)
Building Code of Australia Classification	Class 2, 5, 6, 7a and 9b
Date of Receipt	Date Received: 27 th July 2012
Determination	Approved Date of Determination: 3 rd August 2012
Development Consent	Development Consent Number: NO634/10 Council: Pittwater Council Date of Determination: 24 th March 2011
Construction Certificate	Construction Certificate Number: 05/307/07 & 05/307/07A Date of Determination: 17 th June 2011 & 23 rd February 2012

Steve Watson (BPB0432) on behalf of

Steve Watson and Partners

Accreditation Body: BPB

Accreditation no: ABC 1

Date of Endorsement: Friday, 3 August 2012

Documentation relied upon to issue Occupation Certificate 05/307/04 for 6-14 Macpherson Street, Warriewood

Item No	Description	Date
1	Mandatory inspection record (Final)	25.07.12
2	Application for Occupation Certificate	27.07.12
3	Final fire safety certificate	25.07.12
4	Certificates contained within SWP Certification Package	-
5	SWP DA Checklist and associated documentation	-
6	Fire Safety Engineering Assessment Statement of Compliance prepared by Fire Engineering Design Pty Ltd	26.07.12
7	Compliance Certificate prepared by Acess Associates Sydney	30.07.12
8	Wall Noise Transmission Loss Testing Report prepared by Acoustic Logic	11.07.12
9	Identification Survey prepared by Laqrence Grouo Surveyors	29.06.12



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CI162B Site Inspection Record

Project Address	6-14 Macpherson Street, Warriewood	Inspection record #	12/307/F4
Accredited Certifier	Steve Watson (BPB0432) for Steve Watson and Partners	Body Corporate Accreditation #	ABC 1
DA ref	N0634/10	CC Ref	05/307/07 & 05/307/07A
Date of inspection	25.07.12	Type	COMPLETION

Checklist

Consistency with approved plans?	YES	BCA compliance matters OK?	YES
Pre OC DA Conditions? (see checklist attached)	YES	Basix matters OK?	YES

Issues/Rectification works required

#	Issue	Comment/ requirement	Action by
1.	Signage required to accessible toilets, change rooms and showers in accordance with AS1428.1-2009.	See attached photo	Builder
2.	Grab rails required to be installed to the ambulant toilets in accordance with AS1428.1-2009.	See attached photo	Builder
3.	Signage required to the fire doors in accordance with D2.23 of the BCA.	See attached photo	Builder
4.	Line markings required to the disabled car parking in accordance with AS2890.6 -2009	See attached photo	Builder
5.	Decals required to glazing in accordance with AS1428.1-2009.	See attached photo	Builder

Was the Inspection

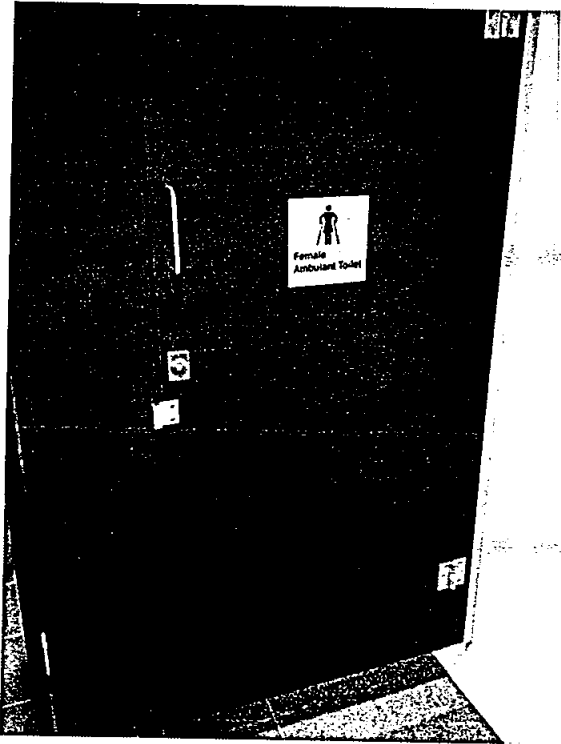
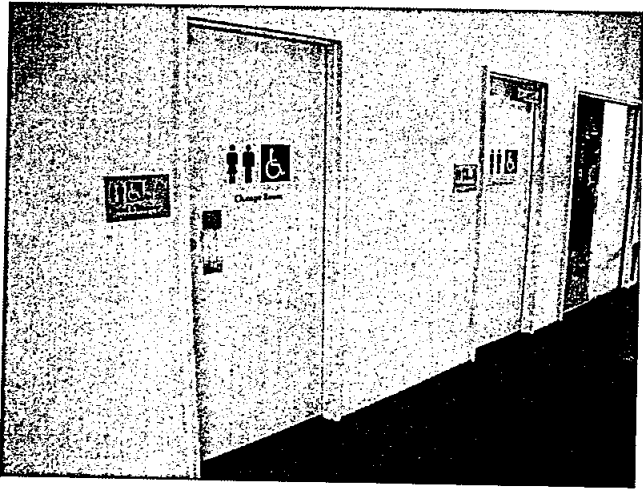
- Satisfactory
 Satisfactory subject to resolution of the issues identified above
 Unsatisfactory

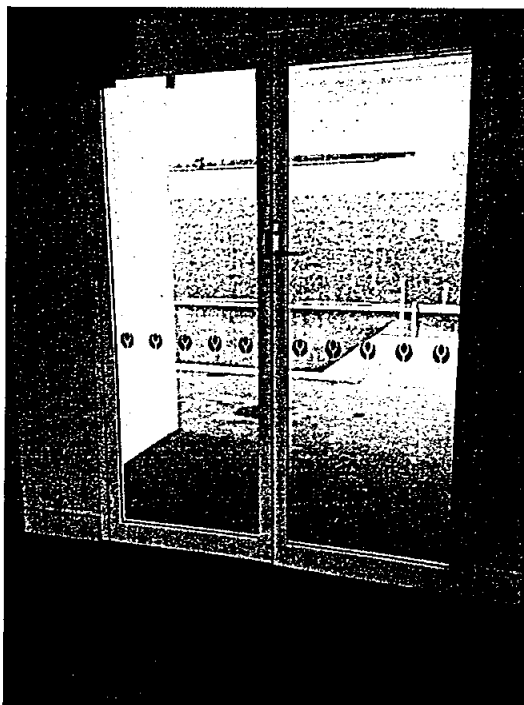
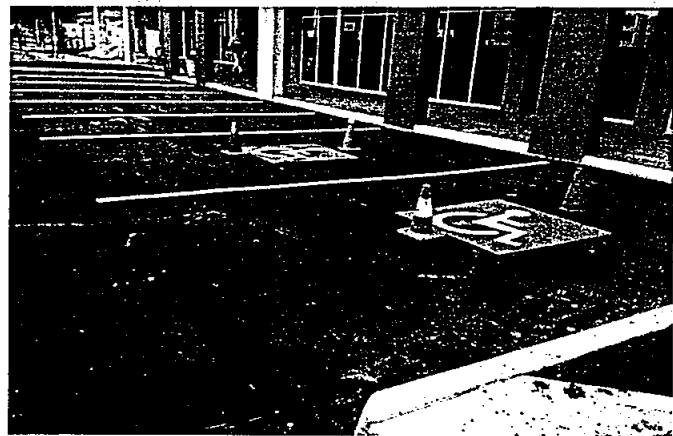
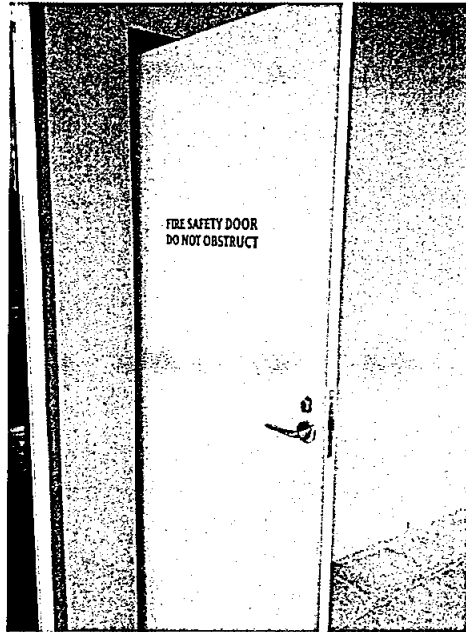
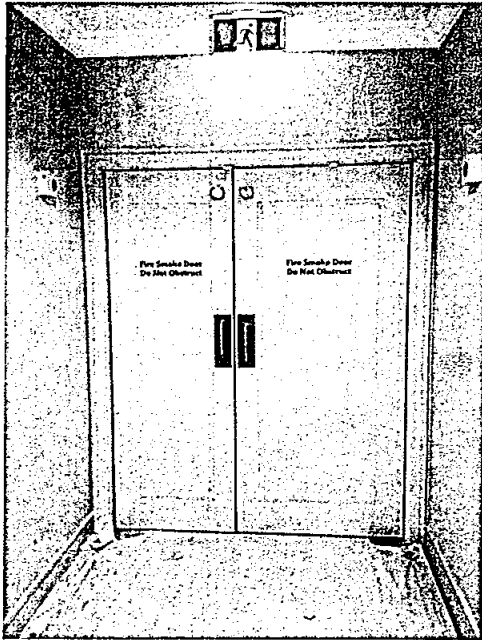
Signed

Inspector

25.07.12

Date







STEVE WATSON & PARTNERS

LEVEL 5, 407 KENT STREET SYDNEY NSW 2000
TEL 46 2 2283 6555 FAX 46 2 2283 8590
sydney@swpartners.com.au
www.swpartners.com.au
ABN 46 102 366 575

APPLICATION FOR OCCUPATION CERTIFICATE

PART 1 Application and Site Details

Type of Certificate Sought
Tick appropriate boxes

- Interim certificate
- Final certificate
- Change of building use of an existing building
- Occupation/use of a new building

Applicant

It is important that we are able to contact you if we need more information.

Please give us as much detail as possible.

Mr Mrs Miss Ms Other

Surname (or Company): ARV

Given names (or ABN): 39 922 848 563

Address: PO BOX 284 CASTLE HILL

State: NSW Post Code: 1765

Phone: (02) 9421 5318 Fax: (02) 9421 2217

Mobile: 0409 653 881 E-mail: JAMES.CHONG@ARV.ORG.AU

Location of the Property

We need this to correctly identify the land.

Address: 6-14 MACPHERSON ST WARRIEWOOD

State: NSW Post Code: 2102

Real Property Description: LOTS A&B DP 400488, LOT 22 DP 5414

(eg. Lot/DP/Section, etc) LOTS 5-8 DP1115877 & LOTS A&B DP 358765

The real property description is mandatory, these details are shown on your rate notices, property deeds etc

PART 2 Work Description

Development Consent or Complying Development Certificate

Development Consent/Complying Development No: NO 634/10

Date of Determination: 24 / 3 / 2011

Construction Certificate

Construction Certificate No: 05 / 307 / 07 \$ 07 / 307 / 11

Date of Determination: 17 / 6 / 2011 \$ 27 / 07 / 12



Building Details

The building classification must be the same as that specified in the Complying Development Certificate or Construction Certificate

If you are applying for an Occupation Certificate for part of the building, describe the part of the building:

WHOLE BUILDING & SITE WORKS (ENTIRE STAGE 3 WORKS)

Describe the proposed use of the building: SENIORS LIVING ILU'S & COMMUNITY CENTRE

What is the classification of the building under the BCA: 2, 5, 6, 7a & 9b

Change in Classification

What is the existing classification of the building under the BCA: N/A

What is the new classification of the building under the BCA: N/A

Attachments

The following information must accompany an application for an Occupation Certificate:

- A copy of Development Consent or Complying Development Certificate
- A copy of the Construction Certificate, where relevant
- A Final Fire Safety Certificate or Interim Fire Safety Certificate (not required for class 1a or 10 buildings).
- Other certificates or documentation relied on.

PART 3 Declaration

Declaration

If the applicant is a company or strata title body corporate, a director or authorised delegate must sign this declaration.

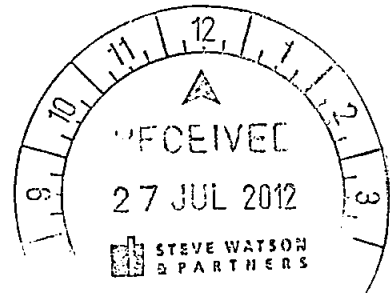
I declare that all the information in the application is, to the best of my knowledge, true and accurate.

I also understand that if the information is incomplete the application may be delayed or rejected or more information may be requested. I acknowledge that if the information provided is misleading, any approval granted 'may be void'.

Signature: *[Signature]* Date: 27, 07, 12

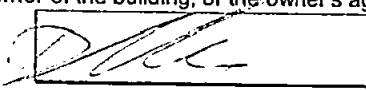
Name, if you are not the applicant: JAMES CHONG

In what capacity are you signing if you are not the applicant: SNR PROJECT MANAGER ARV



FIRE SAFETY CERTIFICATE

The owner of a building, or the owner's agent, needs to provide a fire safety certificate to the certifying authority (a council or a private certifier) with an application for an occupation certificate. You can use this form to do so. A copy of the certificate also needs to be given to the Commissioner of New South Wales Fire Brigades, and displayed in the building in a prominent position.

1. Details of the Building being Certified			
Name of the owner of the building or part of the building			
Full name/company name	- ANGLICAN RETIREMENT VILLAGES		
Address of the building			
Flat/street no.	6-14	Street name	Macpherson Street
Suburb or town	Warriewood	Postcode	2102
Nearest cross street	Garden Street		
This certificate is for: whole building			
Description of the building or part of the building			
Stage 3 - Whole Building			
2. Type of Certificate			
This is the: final fire safety certificate			
Date of this certificate	25 JULY 2012		
3. Certification			
I	DARREN SAMUEL	of	HANSEN YURKEN
being the owner of the building described above, or the agent of the owner, certify that:			
<ul style="list-style-type: none"> each of the essential fire safety measures listed in part 7 has been assessed by a properly qualified person, and was found, when it was assessed by that person, to be capable of performing to at least the standard required by the current fire safety schedule for the building; the information contained in this statement is true and accurate to the best of my knowledge and belief. 			
4. Information Attached to this Certificate			
<input checked="" type="checkbox"/> The current fire safety schedule for the building			
5. Signature			
The owner of the building, or the owner's agent, must complete and sign the certificate.			
Signature		Name	DARREN SAMUEL
Address		The capacity in which you are signing if you are not the owner of the building	PROVIST MANAGER

6. Privacy policy

You need to provide the information in this certificate to the certifying authority if you are applying for an occupation certificate. You also need to give the information to the council and the Commissioner of New South Wales Fire Brigades if a fire safety order has been made for the building once you have satisfied that order. If you do not supply a fire safety certificate as required, you will be in breach of the *Environmental Planning and Assessment Act 1979* and you could be found guilty of an offence and/or required to take further action. Please contact the council if the information you have provided in this certificate is incorrect or changes.

7. Assessment of Fire Safety Measures

Measure	Standard of performance required by the fire safety schedule	Date of assessment
Access panels, doors and hoppers to fire resisting shafts	BCA2010 Clause C3.13 and tested prototypes (AS 1530.4 - 2005)	21.05.12
Automatic fail safe devices	Scheduled devices release upon trip of smoke detection, fire detection and sprinkler activation in accordance with BCA2010 D2.21	21.06.12 10.07.12
Automatic fire detection and alarm system (<i>smoke detection system</i>)	BCA2010 Specification E2.2a and AS 1670.1 - 2004	21.06.12
Emergency lighting	BCA2010 Clause E4.2, E4.4 and AS 2293.1 - 2005	12.07.12
Exit signs	BCA2010 Clause E4.5, NSW E4.6, E4.7, E4.8 and AS 2293.1 - 2005	12.07.12
Fire dampers	BCA2010 Clause C3.15 and AS/NZS 1668.1 - 1998 (AS 1682.1-1990 and AS 1682.2-1990)	19.06.12
Fire doors	BCA2010 Specification C3.4 and AS 1905.1 - 2005	13.07.12 16.07.12
Fire hydrant system	BCA2010 Clause E1.3 and AS 2419.1 - 2005	18.06.12
Fire seals protecting openings in fire resisting components of the building	BCA2010 Clause C3.15 and AS 1530.4 and AS 4072.1 and installed in accordance with the tested prototype.	21.05.12 18.06.12 19.06.12 16.07.12
Hose reel systems	BCA2010 Clause E1.4 and AS 2441 - 2005	18.06.12
Lightweight construction	BCA2010 Specifications C1.8 and A2.3 and AS 1530.4	21.05.12
Mechanical air handling system (<i>automatic shut down of air-handling system</i>)	BCA2010 Clause E2.2 and AS/NZ 1668.1-1998	19.06.12
Portable fire extinguishers	BCA2010 Clause E1.6 and AS 2444 - 2001	19.07.12
Warning and operational signs	BCA2010 Clauses D2.23, E1.4, E3.3	12.07.12 24.07.12
Fire Engineering Design Pty Ltd FRL of External Walls FRL of Supporting Walls FRL of Carparks and SOU's	Fire Safety Report, project No. 2011118, Version A, dated June 2011	06.07.12
Fire resisting construction	BCA2010 Part C2, AS 1170.1 - 1989, AS 1170.2 - 1989, AS 1170.4 - 1993, AS 3600 - 2001, AS 3700 - 2001, AS 4100 - 1998 and in accordance with a tested prototype to the scheduled Architects drawings.	06.07.12
Fire resisting construction (Masonry)	BCA2010 Part C2, AS 1170.1 - 1989, AS 1170.2 - 1989, AS 1170.4 - 1993, AS 3600 - 2001, AS 3700 - 2001, AS 4100 - 1998 and in accordance with a tested prototype to the Architects drawings.	04.07.12
Lifts & lift panels	BCA2010 Clause C3.10 and AS 1735.11	20.06.12

Statutory Fire Safety Measures			CERTIFICATION BY	
ITEM	MEASURE	STANDARD OF PERFORMANCE	DESIGN	INSTALL
1	Access panels, doors and hoppers to fire resisting shafts	BCA2010 Clause C3.13 and tested prototypes (AS 1530.4 - 2005)	-	Installation Certificate prepared by Buildup Interior, dated 21.05.12
2	Automatic fail safe devices	Scheduled devices release upon trip of smoke detection, fire detection and sprinkler activation in accordance with BCA2010 D2.21	-	Installation Certificate prepared by Star Fire Systems NSW P/L & Prosys Services Pty Ltd, dated 21.06.12 & 10.07.12
4	Automatic fire detection and alarm system (<i>smoke detection system</i>)	BCA2010 Specification E2.2a and AS 1670.1 – 2004	-	Installation Certificate prepared by Star Fire Systems NSW P/L, dated 21.06.12
5	Emergency lighting	BCA2010 Clause E4.2, E4.4 and AS 2293.1 – 2005	-	Installation Certificate prepared by Goldline Industries, dated 12.07.12
6	Exit signs	BCA2010 Clause E4.5, NSW E4.6, E4.7, E4.8 and AS 2293.1 – 2005	-	Installation Certificate prepared by Goldline Industries, dated 12.07.12
7	Fire dampers	BCA2010 Clause C3.15 and AS/NZS 1668.1 – 1998 (AS 1682.1-1990 and AS 1682.2-1990)	-	Installation Certificate prepared by Austral Air Conditioning Service P/L, dated 19.06.12
8	Fire doors	BCA2010 Specification C3.4 and AS 1905.1 – 2005	-	Installation Certificate prepared by Cemac Doors, dated 16.07.12 & 13.07.12
9	Fire hydrant system	BCA2010 Clause E1.3 and AS 2419.1 – 2005	-	Installation Certificate prepared by Ajax Plumbings, dated 18.06.12

Statutory Fire Safety Measures			CERTIFICATION BY	
ITEM	MEASURE	STANDARD OF PERFORMANCE	DESIGN	INSTALL
10	Fire seals protecting openings in fire resisting components of the building	BCA2010 Clause C3.15 and AS 1530.4 and AS 4072.1 and installed in accordance with the tested prototype.	-	Installation Certificate prepared by Goldline Industries, Austral Air Conditioning, Buildup Interior Pty Ltd, Cemac Doors, Ajax Plumbing, dated 12.07.12, 19.06.12, 21.05.12, 16.07.12, 18.06.12
11	Hose reel systems	BCA2010 Clause E1.4 and AS 2441 – 2005	-	Installation Certificate prepared by Ajax Plumbing, dated 18.06.12
12	Lightweight construction	BCA2010 Specifications C1.8 and A2.3 and AS 1530.4	-	Installation Certificate prepared by Buildup Interior Pty Ltd, dated 21.05.12
13	Mechanical air handling system (<i>automatic shut down of air-handling system</i>)	BCA2010 Clause E2.2 and AS/NZ 1668.1-1998	-	Installation Certificate prepared by Austral Air Conditioning, dated 19.06.12
14	Portable fire extinguishers	BCA2010 Clause E1.6 and AS 2444 – 2001	-	Installation Certificate prepared by Advance Fire Service Pty Ltd, dated 19.07.12
15	Warning and operational signs	BCA2010 Clauses D2.23, E1.4, E3.3	-	Installation Certificate prepared by Cunneen Signs & Goldline Insustries, dated 24.07.12 and 12.07.12
16	Fire Engineering Design Pty Ltd FRL of External Walls FRL of Supporting Walls FRL of Carparks and SOU's	Fire Safety Report, project No. 2011118, Version A, dated June 2011	-	Fire Safety Engineering Assessment Statement of Compliance prepared by Fire Engineering Design Pty Ltd, dated 26.07.12
17	Lifts & lift panels	BCA2010 Clause C3.10 and AS 1735.11	-	Installation Certificate prepared by Kone Elevators, dated 20.06.12



ABN 14 096 587 576

19 Beaumont Street
Campsie NSW 2194

Tel: (02) 9718 5191
Fax: (02) 9718 5391
Email: buildup@hotmail.net.au

ACCESS PANELS - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Access panels	BCA2010 Clause C3.13 and tested prototypes (AS 1530.4 - 2005)

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: Contractor Licence number 137762C Expiry 03/10/2013

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: Bing WU
Company: Buildup Interior Pty Ltd
Address: 19 Beaumont St Campsie NSW 2194
Phone No. 02 9718 5191 Fax No.: 02 9718 5391

Signature

Date

21/05/2012

2

AUTOMATIC FAIL SAFE DEVICES - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Automatic fail safe devices	Scheduled devices release upon trip of smoke detection, fire detection and sprinkler activation in accordance with BCA2010 D2.21 <i>SIGNAL TO MAIN SECURITY PANEL</i>

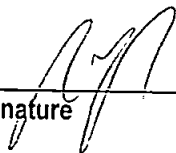
ONLY. Does not function as a function of security system.

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: 24 YEARS INDUSTRY EXPERIENCE

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: ROGER SLOAN
 Company: STAR FIRE SYSTEMS NSW PTY
 Address: 3717 HOYLENS AVE CASTLE HILL NSW 2154
 Phone No. 9634 3301 Fax No. 9634 3341


 Signature

21-6-12
 Date

2

AUTOMATIC FAIL SAFE DEVICES - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Automatic fail safe devices	Scheduled devices release upon trip of smoke detection, fire detection and sprinkler activation in accordance with BCA2010 D2.21

ONLY. Does not trip as a function of security system. Signal To Alarm Security Panel

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: 24 YEARS INDUSTRY EXPERIENCE

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: PERVA SLOANE
 Company: STAR FIRE SYSTEMS NSW PT
 Address: 3717 HOWLS AVE CASTLE HILL NSW 2157
 Phone No. 9634 3301 Fax No. 9634 3341

Signature 

Date 21-6-12

Final/Interim Fire Safety Certificate
issued under the
Environmental Planning and Assessment
Regulation 2000
Clause 170 and 173

Certificate

Type of Certificate (See Note 1)	<input type="checkbox"/> Interim <input checked="" type="checkbox"/> Final
Certificate Name Owner/Agent Address	Mark Abela Of Prosys Services Pty Ltd
(See Note 2 Assessment Requirements) (See Note 3 relevant fire safety Schedule)	Certify that (a) Each of the essential fire measures listed below: <ul style="list-style-type: none"> • has been assessed by a person (chosen by me) who was properly qualified to do so, and • was found, when it was assessed, to have been properly implemented and to be capable of performing to a standard not less than that required by the most recent fire safety schedule (copy attached) for the building for which the certificate is issued. (b) The information contained in this certificate is, to the best of my knowledge and belief, true and accurate.
Identification of Building	Address <u>6 – 14 Macpherson Street</u> Suburb or town <u>Warriewood</u> Post Code <u>2102</u>
Particulars of Building	Description of Part (where applicable) <u>Stage 3 Project</u>
Date of Assessment	<u>Wednesday 4th July 2012</u>
Owner's Details Name Address	

A final fire safety certificate is required:

- before a final occupation certificate can be issued to allow a new building (including an altered portion of, or extension to, a new building) to be occupied or used, or
- before a final occupation certificate can be issued to allow a change of building use for an existing building, or
- in accordance with a fire safety order given by Council.

An interim fire safety certificate is issued for part of the building and may deal only with those essential fire safety measures appearing on the most recent fire safety schedule (see note 3) relevant to the part of the building for which an interim occupation certificate will be sought.

A final fire safety certificate must deal with all essential fire safety measures appearing on the most recent fire safety schedule (see note 3), subject to the following.

An interim fire safety certificate or a final fire safety certificate need not deal with those essential fire safety measures which have been the subject of some other final fire safety certificate or annual fire safety statement within the previous 6 months, unless the person or authority responsible for determining the relevant development consent, complying development certificate, construction certificate or fire safety order, has specified otherwise in the schedule (See also Note 3).

Note 2 The person who carries out the assessment:

- must inspect and verify the performance of each fire safety measure being assessed, and
- in the case of a (interim or final) fire safety certificate for a new building (not an alteration to, or enlargement or extension of an existing building) must test the operation of each item of fire safety equipment installed in the building.

Note 3 The relevant essential fire safety measures are those specified in the most recent fire safety schedule, attached to one of the following:

- development consent for a change of building use,
- complying development certificate for the erection of a building or a change of building use,
- construction certificate for proposed building work, including building work associated with a change of building use, or
- a fire safety order.

The fire safety schedule will also identify the required standard of performance for each essential fire safety measure.

4

AUTOMATIC FIRE DETECTION AND ALARM SYSTEM - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the design, specifications and the nominated Standards of Performance.

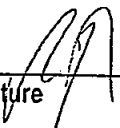
Measure and/or system	Standards of Performance
Automatic fire detection and alarm system (smoke alarm system)	BCA2010 Specification E2.2a and AS 3786 - 1993
Automatic fire detection and alarm system (smoke detection system) in Commercial Areas only.	BCA2010 Specification E2.2a and AS 1670.1 - 2004

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: 24 YEARS INDUSTRY EXPERIENCE

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name of Certifier: Peter Sloane
 Company: SWA FIRE SYSTEMS NSW P/L
 Address: 37/7 HOYLE AVENUE CASRS HILL NSW 2154
 Phone No. 9634 3301 Fax No. 9634 3341

Signature 

Date 21-6-12

NOTE - ALSO COMPLETE COMMISSIONING TEST REPORT ON FOLLOWING PAGES

AS 1670.1—2004

80

INSTRUCTIONS:

This form is to be used in conjunction with—

- (a) operator's manual;
- (b) installer's statement(s); and
- (c) 'as-installed' drawings.

to provide a complete description of the installed system and its tested performance at the time of its commissioning into service.

SYSTEM INFORMATION

GENERAL

YES

- (a) *Equipment* Equipment has been designed and constructed in accordance with the relevant Standards.
- (b) *Installation* Equipment has been located, installed and interconnected in accordance with the system documentation.
- (c) *Compatibility* All detectors and other devices used in the system are—
 - (i) listed in the operator's manual;
 - (ii) compatible with the relevant parts of CIE, particularly that the permitted number of detectors and other devices for each circuit is not exceeded;
 - (iii) installed in an environment for which they are suitable;
 - (iv) not set to a sensitivity outside that prescribed in the relevant product Standard.
- (d) *Alarm zone limitations* The alarm zone limitations in Clause 2.4 of AS 1670.1 are not exceeded.
- (e) *Primary power source*
 - (i) The primary power source for the system has been provided in accordance with AS/NZS 3000.
 - (ii) The isolating switch disconnects all active conductors.
 - (iii) Five operations of the primary power source switch did not cause an alarm to be indicated on the system.
- (f) *Secondary power source*
 - (i) The secondary power source is of a suitable type and capacity complying with the requirements of Clause 3.16.2 of AS 1670.1.
 - (ii) The float voltage, charger type and setting is correct and in accordance with the battery manufacturer's recommendation.
- (g) *Battery temperature and voltage* The battery voltage corresponds to that specified by the battery manufacturer for the temperature measured after 24 h quiescent operation.
- (h) *Alarm zone parameters* Each alarm zone circuit is within the equipment manufacturer's specifications.
- (i) *Wire-free alarm zones* Wire-free actuating device parameters meet the minimum parameters specified by the manufacturer, including that the receiver responds to signals from an actuating device for alarm, tamper, low standby power signals and gives a fault signal when the supervisory signal condition is absent. N/A

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- (x) *Multi-point aspirating smoke detectors*
 - (i) Response time of all sampling points meets the requirements of AS 1670.1. N/A
 - (ii) Alarm settings and indicators operate correctly. N/A
 - (iii) Remote indication of alarm and fault signals operate correctly. N/A
 - (iv) Airflow failure indicator operates correctly. N/A
 - (v) System (signal) failure indicators operate correctly. N/A
 - (vi) Isolate and reset functions operate correctly. N/A
 - (vii) Alarm and fault test facilities operate correctly. N/A
- (y) *Duct sampling unit* The alarm indicator is clearly visible from a trafficable area and the duct air velocity exceeds the minimum velocity specified for the unit. If not, the measured differential pressure is at least the minimum specified for the unit. N/A
- (z) *Ancillary control functions* Each ancillary control function operates with the activation of associated alarm zones.
- (aa) *Alarm signalling equipment* Alarm signalling equipment initiates a fire alarm signal to the monitoring service provider.
- (bb) *Labelling* Alarm zone location is immediately apparent from the alarm zone labelling.

DOCUMENTATION

The following documentation is located in or adjacent to the FIP:

- (a) 'As-installed' drawings.
- (b) CIE documentation required by AS 4428.1 or AS 7240.2.
- (c) Commissioning test report.
- (d) Installer's statement in accordance with Appendix E of AS 1670.1.
- (e) A log complying with the requirements of Clause 7.3 of AS 1670.1.
- (f) Aspirating system design tool calculation.

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Zone of protection	Number and type of actuating devices											
	Number of actuating devices per zone†	Heat					Fire		Flame		Manual call point	Other
		A	B	C	D	E	Smoke	CO	IR	UV		
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
Total Number												

† Add addressable loop number in brackets where applicable.

‡ Indicate with a number in brackets the number of actuating devices in concealed spaces.

Additional Information *N/A ADDRESSABLE System*

Name *Penel Sloane* Signature *[Signature]*
 Company *SMA FIRE SYSTEMS N/A* Date *21-6-12*

AUTOMATIC FIRE DETECTION AND ALARM SYSTEM - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the design, specifications and the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Automatic fire detection and alarm system (smoke alarm system)	BCA2010 Specification E2.2a and AS 3786 - 1993
Automatic fire detection and alarm system (smoke detection system) in common areas only.	BCA2010 Specification E2.2a and AS 1670.1 - 2004

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: 24 YEARS INDUSTRIAL EXPERIENCE

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name of Certifier: PETER SLOANE
 Company: SIM FIRE SYSTEMS NSW P/L
 Address: 37/7 HOYLE AVENUE CASBURN HILL NSW 2154
 Phone No. 9634 3301 Fax No. 9634 3341

Signature [Signature] Date 21-6-12

NOTE - ALSO COMPLETE COMMISSIONING TEST REPORT ON FOLLOWING PAGES

AS 1670.1 COMMISSIONING TEST REPORT

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APPENDIX E
COMMISSIONING TEST REPORT
(Informative)

THE FIRE DETECTION AND ALARM SYSTEM
INSTALLED AT:

(Premises) Warriewood Brook PM68 3
6-14 Macpherson St Warriewood 2102

Postcode

Owner or Owner's Authorized Agent

Postcode

NEW*
MODIFICATION TO SYSTEM*
ADDITION TO*
(*Cross out those not applicable)

Date of commissioning tests

Name and address of commissioning company, company stamp or company (name in 'BLOCK LETTERS')

STAR Fire Systems NSW
37/7 Hoyal Ave
Capri Hill NSW
Postcode 2154

Commissioning person

Name (print) PETER SCARNO
Signature [Signature]

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INSTRUCTIONS:

This form is to be used in conjunction with—

- (a) operator's manual;
- (b) installer's statement(s); and
- (c) 'as-installed' drawings.

to provide a complete description of the installed system and its tested performance at the time of its commissioning into service.

SYSTEM INFORMATION

GENERAL

YES

- (a) *Equipment* Equipment has been designed and constructed in accordance with the relevant Standards.
- (b) *Installation* Equipment has been located, installed and interconnected in accordance with the system documentation.
- (c) *Compatibility* All detectors and other devices used in the system are—
 - (i) listed in the operator's manual;
 - (ii) compatible with the relevant parts of CIE, particularly that the permitted number of detectors and other devices for each circuit is not exceeded;
 - (iii) installed in an environment for which they are suitable;
 - (iv) not set to a sensitivity outside that prescribed in the relevant product Standard.
- (d) *Alarm zone limitations* The alarm zone limitations in Clause 2.4 of AS 1670.1 are not exceeded.
- (e) *Primary power source*
 - (i) The primary power source for the system has been provided in accordance with AS/NZS 3000.
 - (ii) The isolating switch disconnects all active conductors.
 - (iii) Five operations of the primary power source switch did not cause an alarm to be indicated on the system.
- (f) *Secondary power source*
 - (i) The secondary power source is of a suitable type and capacity complying with the requirements of Clause 3.16.2 of AS 1670.1.
 - (ii) The float voltage, charger type and setting is correct and in accordance with the battery manufacturer's recommendation.
- (g) *Battery temperature and voltage* The battery voltage corresponds to that specified by the battery manufacturer for the temperature measured after 24 h quiescent operation.
- (h) *Alarm zone parameters* Each alarm zone circuit is within the equipment manufacturer's specifications.
- (i) *Wire-free alarm zones* Wire-free actuating device parameters meet the minimum parameters specified by the manufacturer, including that the receiver responds to signals from an actuating device for alarm, tamper, low standby power signals and gives a fault signal when the supervisory signal condition is absent. N/A

- (j) *Operation of fault and alarm signals* Fault and alarm conditions correctly detect and indicate as the correct alarm zone, operating other required indicators, and operate relevant outputs of the CIE.
- (k) *Mimic panel* All mimic panels, annunciators, etc., operate correctly. N/A
- (l) *Alarm zone controls* Alarm test, fault test, isolate and reset facility of each alarm zone operates correctly.
- (m) *Alarm dependency* Alarm dependency works correctly and does not apply to devices listed in Clause 3.3 of AS 1670.1. N/A
- (n) *CIE response to actuating device operation* Each actuating device has operated when tested with a medium suitable for the device type and the alarm has indicated on the FIP and at the tested device.
- (o) *Fault response time* The response to a fault does not exceed 100 s for each alarm zone circuit.
- (p) *Alarm response time* At least one detector in each alarm zone has been tested and the response to the alarm does not exceed 10 s or the period specified when dependency on more than one alarm signal is used.
- (q) *Supervisory signal response time* At least one supervisory device in each alarm zone circuit has been tested and the response to the supervisory device does not exceed 100 s.
- (r) *Alarm acknowledgment facility* Alarm acknowledgement facilities operate in accordance with the requirements of Clause 3.2 AS 1670.1. N/A
- (s) *Occupant warning system*
 - (i) A fault signal is displayed at the CIE when the circuit wiring at the last speaker or sounder is short or open circuited.
 - (ii) Each sounder/speaker operates in accordance with the requirements of Clause 3.22 of AS 1670.1 and a record of the sound pressure level has been made.
- (t) The external alarm indication is visible from the main approach to the building.
- (u) *Manual call points*
 - (i) Each manual call point operates correctly.
 - (ii) The activation of manual call points do not cause existing detector alarm indications to be extinguished.
 - (iii) Manual call points are not subject to alarm dependency.
- (v) *Smoke and fire door release* Each door-release device operates correctly.
- (w) *Flame detectors*
 - (i) The number and type of flame detectors provide adequate protection for the area. N/A
 - (ii) There are no 'blind' spots in the area protected. N/A
 - (iii) Detectors are rigidly fixed. N/A
 - (iv) Detector lenses are clean and adequately protected from dust and extraneous radiation sources. N/A
 - (v) Detectors respond to a flame or simulated flame source. N/A

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- (x) *Multi-point aspirating smoke detectors*
 - (i) Response time of all sampling points meets the requirements of AS 1670.1. N/A
 - (ii) Alarm settings and indicators operate correctly. N/A
 - (iii) Remote indication of alarm and fault signals operate correctly. N/A
 - (iv) Airflow failure indicator operates correctly. N/A
 - (v) System (signal) failure indicators operate correctly. N/A
 - (vi) Isolate and reset functions operate correctly. N/A
 - (vii) Alarm and fault test facilities operate correctly. N/A
- (y) *Duct sampling unit* The alarm indicator is clearly visible from a trafficable area and the duct air velocity exceeds the minimum velocity specified for the unit. If not, the measured differential pressure is at least the minimum specified for the unit. N/A
- (z) *Ancillary control functions* Each ancillary control function operates with the activation of associated alarm zones.
- (aa) *Alarm signalling equipment* Alarm signalling equipment initiates a fire alarm signal to the monitoring service provider.
- (bb) *Labelling* Alarm zone location is immediately apparent from the alarm zone labelling.

DOCUMENTATION

The following documentation is located in or adjacent to the FIP:

- (a) 'As-installed' drawings.
- (b) CIE documentation required by AS 4428.1 or AS 7240.2.
- (c) Commissioning test report.
- (d) Installer's statement in accordance with Appendix E of AS 1670.1.
- (e) A log complying with the requirements of Clause 7.3 of AS 1670.1.
- (f) Aspirating system design tool calculation.

APPENDIX F
STANDARD FORM OF INSTALLER'S STATEMENT FOR
FIRE ALARM SYSTEM

(Normative)

- 1 Name of premises WARRIWOOD BROOK STAGE 3.
- 2 Situated at 6-14 MALCOLM ST WARRIWOOD
- 3 I/We have installed in the above premises
an alteration to the system of
a system of AMPAC FIRE ALARM
(Brand name)
- 4 The system is connected to the Main Fire monitoring service provider
- 5 The system incorporates the following ancillary equipment:
6 x Down Housers.
- 6 The quiescent load of ancillary equipment is 200mA
- 7 Primary power voltage and source 240V AC
- 8 Secondary battery type and capacity 12V 26Ah
- 9 System maintenance agreement details 12 Month from PC.
- 10 Portion/s of premises not protected by this system
INSIDE UNITS.
- 11 I/We hereby certify that:
 - (a) the installation is complete and has been thoroughly tested.
 - (b) the system is installed in accordance with the current requirements of AS 1670.1*.
 - (c) ~~the system is installed in accordance with attached design specification.~~
Except in regard to the following details:

which have been approved by (person)
of (organization)

*Strike out the words that are not applicable.

Location of fire indicator panel Main Entry

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Zone of protection	Number and type of actuating devices											
	Number of actuating devices per zone†	Heat					Fire		Flame		Manual call point	Other
		A	B	C	D	E	Smoke	CO	IR	UV		
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
Total Number												

† Add addressable loop number in brackets where applicable.

‡ Indicate with a number in brackets the number of actuating devices in concealed spaces.

Additional Information N/A ADDRESSABLE SYSTEM

Name PERE SLOAN Signature [Signature]
 Company SIRI FIRE SYSTEMS NW Date 21-6-12

5

EMERGENCY LIGHTING - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Emergency lighting	BCA2010 Clause E4.2, E4.4 and AS 2293.1 - 2005

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: ELECTRICAL LICENSE

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: PAUL KARPASIS

Company: GOLDLINE INDUSTRIES

Address: 27 UNIT 215 MARS RD LANE COVE WEST

Phone No. 9420 0777 Fax No. 9428 4772

Paul Karpasis
Signature

12/07/2012
Date

6

EXIT SIGNS - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Exit signs	BCA2010 Clause E4.5, NSW E4.6, E4.7, E4.8 and AS 2293.1 - 2005

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: ELECTRICAL LICENSE

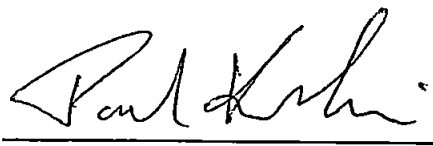
- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: PAUL KAROASIS

Company: COLDLINE INDUSTRIES

Address: 27 UNIT 215 MARS ROAD LANE COVE WEST

Phone No. 9420 0777 Fax No. 9428 4772



 Signature

12/07/2012

 Date

FIRE DAMPERS - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 – Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Fire dampers	BCA2010 Clause C3.15 and AS/NZS 1668.1 – 1998 (AS 1682.1-1990 and AS 1682.2-1990)

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: MIEA

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: NING ZHANG

Company: Austral Air Conditioning Service P/L

Address: 3/54-56 Darley St, Mona Vale, NSW 2103

Phone No. 02 – 9999 6644 Fax No. 02 – 9999 6633

Signature



Date

19/06/2012

8

FIRE DOORS - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Fire doors	BCA2010 Specification C3.4 and AS 1905.1 - 2005

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: 6 years experience Doors & Frames


- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: Hassan Jamal
 Company: Cemac Doors
 Address: 9/7-29 Bridge rd Stanmore NSW 2048
 Phone No. 02 9564 7100 Fax No. 02 9564 7177

Jamal
 Signature

16-07-12
 Date

8

	CEMAC DOORS AND HARDWARE	T : 02 9564 7100
		F : 02 9564 7177
CONSULTANTS PROJECT MANAGEMENT CONTRACTORS		sales@building.com.au
		www.building.com.au
		P.O. Box 4, Petersham NSW 2049
		Unit 9 / 7-29 Bridge Road
		Stanmore NSW 2048
		ABN: 17 002 516 047 ACH: 002 516 047

FIRE DOOR CERTIFICATE

CERTIFICATE NUMBER; A513 ; 1

PROJECT NAME; Warriewood Brook Retirement Village – Stage 3

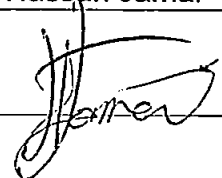
BUILDING ADDRESS; 6-14 Macpherson Street Warriewood NSW 2102

Cemac Doors certifies that the fire doorsets identified on the schedule provided by Cemac have been inspected and labelled as required by the appropriate regulatory authorities in accordance with the Australian Standards AS 1905.1 in respect to the Evidence of Compliance at Clause 6.3 and additionally comply in respect to supply, labelling and installation in accordance with the following Australian Standards;

AS 1530.4-2005 *Methods for fire tests on building materials, components and structures, Part 4; Fire resistance test of elements of building construction.*

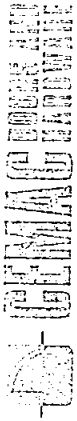
AS 1905.1-2005 *Components for the protection of openings in fire-resistance walls, Part 1; Fire-resistant doorsets.*

NAME OF CERTIFIER; Hassan Jamal

SIGNATURE; 

DATE; 13-July-2012

Doorsets covered by this certificate must be maintained in accordance with AS 1851 and the manufacturer's instructions.



CEMAC
CONSULTANTS | PROJECT MANAGEMENT | CONTRACTORS
ACN 002 516 048

TEL: 9564 7100 FAX: 9564 7177
UNIT 9, 7 - 29 BRIDGE RD STANMORE NSW

Tag Register

ORDER NUMBER
A513 ~ HJ ~ D 12

Certificate No: 1

JOB NUMBER INITIALS SEQUENCE

DATE: 16-07-12

CEMAC ORDER PERSON: Hassan Jamal

DATE Certified: 13-07-12

SUPPLIER: HUME

Builder: Hansen Yuncken

SUPPLIER TEL: 9794 1111

FULL SITE ADDRESS: 6-14 Macpherson St Warriewood

SUPPLIERS FAX: []

SUPPLIERS CONTACT PERSON: SUZY

Project Name: Warriewood Vally Retirement Village Stage 3

LEGEND NOTES

FD = FIRE DOOR
SL = SINGLE LEAF
MDF = MEDIUM DENSITY FB.
SC = SOLID CORE
ELP = EQUAL LEAF PAIR
PLY = PLY, PAINT GRADE INTERIOR
HC = HOLLOW CORE
ULP = UNEQUAL LEAF PAIR
PLYE = PLY PAINT GR EXTERIOR

NOTE: Acronyms listed below and not in LEGEND NOTES above - REFER TO CEMAC ORDER PERSON

DOOR TYPE	RATING (hrs)	# HINGES	LOOK HEIGHT	LEVEL	LOCATION	DOOR NUMBERS (MUST BE MARKED ON DOORS)	LEAF TYPES	HEIGHT (mm)	WIDTH (mm)	THICK. (mm)	DOOR FACE	Tag Number
FD 2HR Duracote Bol Moulded	2HR	4	1032	L1	Fire Stair 1	FF-01	SL	2045	920	45	Duracote	A513- B31
FD 2HR Duracote Bol Moulded	2HR	4	1032	L1	Fire Stair 2	FF-05	SL	2045	920	45	Duracote	A513- B34
FD 2HR Duracote Bol Moulded	2HR	4	1032	L1	Fire Stair 3	FF-11	SL	2045	920	45	Duracote	A513- B37
FD 2HR Duracote	2HR	3	1032	GF	Entry door to Carpark	65-07	SL	2045	920	45	THB	A513- B38

8



Tag Register

ORDER NUMBER

A513 ~ HJ ~ D 12

Certificate No:

1

JOB NUMBER INITIALS SEQUENCE

FD 2HR Duracote	2HR	3	1032	GF	Entry door to Carpark	66-08	SL	2045	920	45	THB	A513- B39
FD 2HR Duracote	2HR	3	1032	GF	Entry door to Carpark	67-07	SL	2045	920	45	THB	A513- B40
FD 2HR Duracote	2HR	3	1032	GF	Entry door to Carpark	68-07	SL	2045	920	45	THB	A513- B41
FD 2HR Duracote	2HR	3	1032	GF	Entry door to Carpark	69-07	SL	2045	920	45	THB	A513- B42
FR 1HR	1	3	1032	L1	Electrical Switch Room	FF-09	SL	2045	920	45	THB	A513- A17
FR 1HR FD 2HR Duracote bol moulded	1 2HR	3	1032	L1	Electrical Switch Room	FF-09A	SL	2045	920	45	THB	A513- A16
FD 1hr THB Bol Moulded	1hr	3	1032	L1	Corridor	FF-03	SL	2050	924/704	45 piv	Duracote	A513- B32/B33
FD 1hr THB Bol Moulded	1hr	3	1032	L1	Entry	70-01	SL	2040	920	45	THB	A513- A19
FD 1hr THB Bol Moulded	1hr	3	1032	L1	Entry	71-01	SL	2040	920	45	THB	A513- A21

Tag Register

ORDER NUMBER

A513 ~ HJ ~ D 12

JOB NUMBER INITIALS SEQUENCE

Certificate No:

1

FD 1hr THB Bol Moulded	3	1032	L1	Entry	72-01	SL	2045	920	45	THB	A513- A23	
FD 1hr THB Bol Moulded	3	1032	L1	Entry	73-01	SL	2045	920	45	THB	A513- A26	
FD 1hr THB Bol Moulded	3	1032	L1	Entry	74-01	SL	2045	920	45	THB	A513- A28	
FD 1hr THB Bol Moulded	3	1032	L1	Entry	75-01	SL	2045	920	45	THB	A513- A30	
FD 1hr THB Bol Moulded	3	1032	L1	Entry	76-01	SL	2045	920	45	THB	A513- A29	
FD 1hr THB Bol Moulded	3	1032	L1	Entry	77-01	SL	2045	920	45	THB	A513- A27	
FD 1hr THB Bol Moulded	3	1032	L1	Entry	78-01	SL	2045	920	45	THB	A513- A25	
FD 1hr THB Bol Moulded	3	1032	L1	Entry	79-01	SL	2045	920	45	THB	A513- A24	
FD 1hr THB Bol Moulded	3	1032	L1	Entry	80-01	SL	2040	920	45	THB	A513- A22	



CONSULTANTS | PROJECT MANAGEMENT | CONTRACTORS

Tag Register

ORDER NUMBER

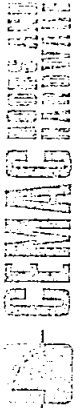
A513 ~ HJ ~ D 12

Certificate No:

1

JOB NUMBER INITIALS SEQUENCE

FD 1hr THB Bol Moulded	1hr	3	1032	L1	Entry	81-01	SL	2040	920	45	THB	A513- A20	
FD 1hr THB Bol Moulded	1hr	3	1032	L1	Entry	82-01	SL	2040	920	45	THB	A513- A13	
FD 1hr THB Bol Moulded	1hr	3	1032	L1	Entry	83-01	SL	2040	920	45	THB	A513- A11	
FD 1hr THB Bol Moulded	1hr	3	1032	L1	Entry	84-01	SL	2040	920	45	THB	A513- A09	
FD 1hr THB Bol Moulded	1hr	3	1032	L1	Entry	85-01	SL	2040	920	45	THB	A513- A10	
FD 1hr THB Bol Moulded	1hr	3	1032	L1	Entry	86-01	SL	2045	920	45	THB	A513- A12	
FD 1hr THB Bol Moulded	1hr	3	1032	L1	Entry	87-01	SL	2040	920	45	THB	A513- A14	
FD 1hr THB Bol Moulded	1hr	3	1032	L1	Entry	88-01	SL	2040	920	45	THB	A513- A15	
FD 1hr THB Bol Moulded	1hr	3	1032	L1	Entry	89-01	SL	2040	920	45	THB	A513- A18	



CEMAC CONSULTANTS PROJECT MANAGEMENT CONTRACTORS

Tag Register

Certificate No:

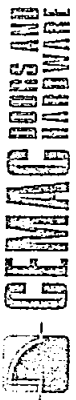
1

ORDER NUMBER

A513 ~ HJ ~ D 12

JOB NUMBER INITIALS SEQUENCE

FD Pba11 Duracote Bol Moulded	Pba11	3	1032	L1	Air Handling Room	FF-06	SL	2040	820	45	THB	A513- B35
FD Pba11 Duracote Bol Moulded	Pba11	3	1032	L1	Air Handling Room	FF-07	SL	2040	820	45	THB	A513- B36
FD 2HR THB	2HR	3	1032	GF	0.00	RACF	ELP	2045	635/635pr	45	THB	A513- B42/B44



CONSULTANTS | PROJECT MANAGEMENT | CONTRACTORS
ACN 002 516 048
ABN 17 002 516 048

TEL: 9564 7100 FAX: 9564 7177
UNIT 9, 7-29 BRIDGE RD STANMORE NSW

Tag Register

ORDER NUMBER
A513 ~ HJ ~ D 12

PAGE
1 OF 1

SEQUENCE

SUPPLIER HUME

DELIVER TO; (BUILDERS COMPANY NAME) Hansen Yuncken

DELIVERY POINT - CONTACT Peter W

SUPPLIER FAX []

DATE: []

SUPPLIER TEL 9794 1111

FULL SITE ADDRESS 6-14 Macpherson St Warriewood

CEMAC ORDER PERSON; Hassan Jamal

SUPPLIER'S CONTACT PERSON SUZY

CONTACT PERSONS TEL 0400 922 248

SPECIAL DELIVERY INSTRUCTIONS Confirm order by e-mail to:

OTHER REQUIREMENTS (GENERAL)
 1-All doors must be numbered correctly
 2-Confirmation of the delivery date is required in writing
 3-Confirm with site 24 hours before delivery
 4-Specify Block board core or particle board for solid core door ordebkrs.

LEGEND NOTES

FD = FIRE DOOR
SC = SOLID CORE
HC = HOLLOW CORE

SL = SINGLE LEAF
ELP = EQUAL LEAF PAIR
ULP = UNEQUAL LEAF PAIR

MDF = MEDIUM DENSITY FB.
PLY = PLY, PAINT GRADE INTERIOR
PLYE = PLY PAINT GR EXTERIOR

NOTE: Acronyms listed below and not in LEGEND NOTES above - REFER TO CEMAC ORDER PERSON

DOOR TYPE	RATING (hrs)	# HINGES	LOCK HEIGHT	LEVEL	LOCATION	DOOR NUMBERS (MUST BE MARKED ON DOORS)	LEAF TYPES	HEIGHT (mm)	WIDTH (mm)	THICK. (mm)	DOOR FACE	Tag Number	Seals
FD 2HR Duracote Bol	2HR	4	1032	L1	Fire Stair 1	FF-01	SL	2045	920	45	Duracote	A513- B31	
FD 2HR Duracote Bol	2HR	4	1032	L1	Fire Stair 2	FF-05	SL	2045	920	45	Duracote	A513- B34	
FD 2HR Duracote Bol	2HR	4	1032	L1	Fire Stair 3	FF-11	SL	2045	920	45	Duracote	A513- B37	
FD 2HR Duracote	2HR	3	1032	GF	Entry door to Carpark	65-07		2045	920	45	THB	A513- B38	

8

Tag Register

ORDER NUMBER

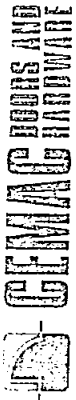
A513 ~ HJ ~ D 12

PAGE

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JOB NUMBER INITIALS SEQUENCE

FD 1hr THB Bol Moulded	1hr	3	1032	L1	Entry	72-01	SL	2045	920	45	THB	A513- A23			
FD 1hr THB Bol Moulded	1hr	3	1032	L1	Entry	73-01	SL	2045	920	45	THB	A513- A26			
FD 1hr THB Bol Moulded	1hr	3	1032	L1	Entry	74-01	SL	2045	920	45	THB	A513- A28			
FD 1hr THB Bol Moulded	1hr	3	1032	L1	Entry	75-01	SL	2045	920	45	THB	A513- A30			
FD 1hr THB Bol Moulded	1hr	3	1032	L1	Entry	76-01	SL	2045	920	45	THB	A513- A29			
FD 1hr THB Bol Moulded	1hr	3	1032	L1	Entry	77-01	SL	2045	920	45	THB	A513- A27			
FD 1hr THB Bol Moulded	1hr	3	1032	L1	Entry	78-01	SL	2045	920	45	THB	A513- A25			
FD 1hr THB Bol Moulded	1hr	3	1032	L1	Entry	79-01	SL	2045	920	45	THB	A513- A24			
FD 1hr THB Bol Moulded	1hr	3	1032	L1	Entry	80-01	SL	2040	920	45	THB	A513- A22			



CONSULTANTS | PROJECT MANAGEMENT | CONTRACTORS

Tag Register

ORDER NUMBER

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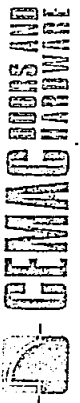
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1

DESCRIPTION	QUANTITY	UNIT	DATE	LOCATION	STATUS	ENTRY	NO.	DATE	TIME	INITIALS	SEQUENCE
FD 1hr THB Bol Moulded	3	1032 L1	81-01	SL 2040	920	45	THB	A513-A20			
FD 1hr THB Bol Moulded	3	1032 L1	82-01	SL 2040	920	45	THB	A513-A13			
FD 1hr THB Bol Moulded	3	1032 L1	83-01	SL 2040	920	45	THB	A513-A11			
FD 1hr THB Bol Moulded	3	1032 L1	84-01	SL 2040	920	45	THB	A513-A09			
FD 1hr THB Bol Moulded	3	1032 L1	85-01	SL 2040	920	45	THB	A513-A10			
FD 1hr THB Bol Moulded	3	1032 L1	86-01	SL 2045	920	45	THB	A513-A12			
FD 1hr THB Bol Moulded	3	1032 L1	87-01	SL 2040	920	45	THB	A513-A14			
FD 1hr THB Bol Moulded	3	1032 L1	88-01	SL 2040	920	45	THB	A513-A15			
FD 1hr THB Bol Moulded	3	1032 L1	89-01	SL 2040	920	45	THB	A513-A18			



CONSULTANTS | PROJECT MANAGEMENT | CONTRACTORS

Tag Register

ORDER NUMBER

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OF

1

JOB NUMBER INITIALS SEQUENCE

FD Pbal1 Duracote Bol Moulded	Pbal1	3	0	L1	Air Handling Room	FF-06	SL	2040	820	45	THB	A513- B35		
FD Pbal1 Duracote Bol Moulded	Pbal1	3	0	L1	Air Handling Room	FF-07	SL	2040	820	45	THB	A513- B36		
FD 2HR THB	2HR	3	1032	GF	0.00	RACF	ELP	2045	635/635pr	45	THB	A513- B42/B44		

FIRE HYDRANT SYSTEM - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.


Measure and/or system	Standards of Performance
Fire hydrant system	BCA2010 Clause E1.3 and AS 2419.1 - 2005

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: 26 years in the
TRADE LIC. No. 180192C.

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: STUART BETHS
Company: REAX Plumbing
Address: 6-8 CAMPBELL ST ARTARMON
Phone No. 9493 800 Fax No. 9906 2806


Signature

18.6.2012.
Date

10

**FIRE SEALS PROTECTING MISCELLANEOUS GAPS JOINTS AND PENETRATIONS
IN FIRE RESISTING COMPONENTS OF THE BUILDING - INSTALLATION
CERTIFICATE**

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Fire seals protecting openings in fire resisting components of the building	BCA2010 Clause C3.15 and AS 1530.4 and AS 4072.1 and installed in accordance with the tested prototype.

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: ELECTRICAL LICENCE.

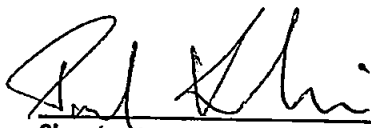
- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: PAUL KARDASIS

Company: GOLDLINE INDUSTRIES

Address: 27 W/215 MARS RD LANE COVE WEST

Phone No. 9420 0777 Fax No. 94284772


Signature

12/07/2012
Date

10

**FIRE SEALS PROTECTING MISCELLANEOUS GAPS JOINTS AND PENETRATIONS
IN FIRE RESISTING COMPONENTS OF THE BUILDING - INSTALLATION
CERTIFICATE**

Project Name	Warlewood Valley Retirement Village
Address	6-14 Macpherson Street Warlewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Fire seals protecting openings in fire resisting components of the building	BCA2010 Clause C3.15 and AS 1530.4 and AS 4072.1 and installed in accordance with the tested prototype.

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: MIEA

- d) The information contained in this statement is true and accurate to the best of my knowledge.

Name: NING ZHANG

Company: Austral Air Conditioning Service P/L

Address: 3/54-56 Darley St, Mona Vale, NSW 2103

Phone No. 02 - 9999 6644

Fax No. 02 - 9999 6633

Signature

Date



Buildup Interior

ABN 14 096 587 576

19 Beaumont Street
Campsie NSW 2194

Tel: (02) 9718 5191
Fax: (02) 9718 5391
Email: buildup@hotmail.com

10

FIRE SEALS PROTECTING MISCELLANEOUS GAPS JOINTS AND PENETRATIONS IN FIRE RESISTING COMPONENTS OF THE BUILDING - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 – Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Fire seals protecting openings in fire resisting components of the building	BCA2010 Clause C3.15 and AS 1530.4 and AS 4072.1 and installed in accordance with the tested prototype.

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: Contractor Licence number 137762C Expiry 03/10/2013

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: Bing WU
 Company: Buildup Interior Pty Ltd
 Address: 19 Beaumont St Campsie NSW 2194
 Phone No. 02 9718 5191 Fax No.: 02 9718 5391

Signature

21/05/2012
Date

FIRE SEALS PROTECTING MISCELLANEOUS GAPS JOINTS AND PENETRATIONS IN FIRE RESISTING COMPONENTS OF THE BUILDING - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

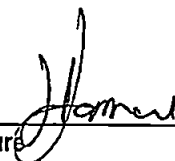
Measure and/or system	Standards of Performance
Fire seals protecting openings in fire resisting components of the building	BCA2010 Clause C3.15 and AS 1530.4 and AS 4072.1 and installed in accordance with the tested prototype.

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: 6 years experience Doors & Frames

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: Hassan Jamal
 Company: Cemac Doors
 Address: 9/7-29 Bridge rd Stanmore NSW 2048
 Phone No. 02 9564 7100 Fax No. 02 9564 7177

Signature: 

Date: 16-07-12

FIRE SEALS PROTECTING MISCELLANEOUS GAPS JOINTS AND PENETRATIONS IN FIRE RESISTING COMPONENTS OF THE BUILDING - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Fire seals protecting openings in fire resisting components of the building	BCA2010 Clause C3.15 and AS 1530.4 and AS 4072.1 and installed in accordance with the tested prototype.

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: 267 IN TRADE LICENCE
180 192 C

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: STUART BATES
Company: AJAX PLUMBING
Address: 6-8 CAMPBELL ST AXFORD
Phone No. 9493 7300 Fax No. 9906 2806

S. Bates
Signature

18.6.12.
Date

10

FIRE SEALS PROTECTING MISCELLANEOUS GAPS JOINTS AND PENETRATIONS IN FIRE RESISTING COMPONENTS OF THE BUILDING - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Fire seals protecting openings in fire resisting components of the building	BCA2010 Clause C3.15 and AS 1530.4 and AS 4072.1 and installed in accordance with the tested prototype.

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: MIEA

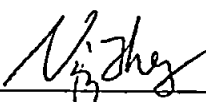
- d) The information contained in this statement is true and accurate to the best of my knowledge.

Name: NING ZHANG

Company: Austral Air Conditioning Service P/L

Address: 3/54-56 Darley St, Mona Vale, NSW 2103

Phone No. 02 - 9999 6644 Fax No. 02 - 9999 6633


Signature

19/06/2012
Date

HOSE REEL SYSTEMS - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Hose reel systems	BCA2010 Clause E1.4 and AS 2441 - 2005

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: 26y IN THE TRADE
LIC NO 180192C

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: STUART BATES
Company: AJAX PLUMBING
Address: 6-8 CAMPBELL ST ARTARMON
Phone No. 9493 7300 Fax No. 9906 2806

S. Bates
Signature

18.6.12.
Date



ABN 14 096 587 576

19 Beaumont Street
Campsie NSW 2194

Tel: (02) 9718 5191
Fax: (02) 9718 5391
Email: buildup@hotmail.com

LIGHTWEIGHT CONSTRUCTION (FIRE RATED) - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Lightweight construction	BCA2010 Specifications C1.8 and A2.3 and AS 1530.4

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: Contractor Licence number 137762C Expiry 03/10/2013

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: Bing WU
 Company: Buildup Interior Pty Ltd
 Address: 19 Beaumont St Campsie NSW 2194
 Phone No. 02 9718 5191 Fax No.: 02 9718 5391

Signature

21/05/2012

Date

13.

MECHANICAL AIR HANDLING SYSTEM (FIRE) - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Mechanical air handling system (automatic shut down of air-handling system)	BCA2010 Clause E2.2 and AS/NZ 1668.1-1998

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: MIEA

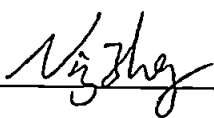
- e) The information contained in this statement is true and accurate to the best of my knowledge.

Name: NING ZHANG

Company: Austral Air Conditioning Service P/L

Address: 3/54-56 Darley St, Mona Vale, NSW 2103

Phone No. 02 - 9999 6644 Fax No. 02 - 9999 6633

Signature 

Date 13/06/2012

14

PORTABLE FIRE EXTINGUISHERS - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Portable fire extinguishers	BCA2010 Clause E1.6 and AS 2444 - 2001

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: Over 30 Years In The Fire Protection Industry (Extinguisher Division). On The National Technical Committee TAC/37 PORTABLE & MOBILE EQUIPMENT WITH THE FIRE PROTECTION ASSOCIATION AUSTRALIA.

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: TERRY WILKINSON
 Company: ADVANCE FIRE SERVICE PTY LTD.
 Address: 3 MARRING PLACE, ST MARYS NSW. 2160.
 Phone No. (02) 98334444 Fax No. (02) 96732690.

[Signature]
 Signature

17-7-2012.
 Date

15

WARNING AND OPERATIONAL SIGNS - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Warning and operational signs	BCA2010Clauses D2.23, E1.4, E3.3

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: SIGNAGE MANUFACTURED TO SPECIFICATIONS SUPPLIED - TO OUR KNOWLEDGE THESE SIGNS MEET WITH THE CODE

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: DAVID CUNNEEN
 Company: CUNNEEN SIGNS
 Address: 9 PEEL STREET HOLROYD
 Phone No. 96379400 Fax No. 9897 3414


 Signature

24 JULY 2012
 Date

WARNING AND OPERATIONAL SIGNS - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Warning and operational signs	BCA2010 Clauses D2.23, E1.4, E3.3

b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: ELECTRICAL LICENSE

c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: PAUL KARDAKIS
 Company: GOLDLINE INDUSTRIES
 Address: 27 UNIT 215 MARS RD LANE COVE WEST
 Phone No. 9420 0777 Fax No. 9428 4772

Paul Kardakis
Signature

12/07/2012
Date

LIFTS & LIFT PANELS - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Lifts & lift panels	BCA2010 Clause C3.10 and AS 1735.11

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: Supervisor Mechanical & Electrical 25 years experience

- c) The information contained in this statement is true and accurate to the best of my knowledge.

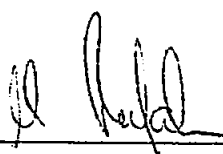
Name: Adam Papalia

Company: Kone Elevators

Address: 205 Euston Road Alexandria 2015

Phone No. 95777000

Fax No. 95777200



 Signature

20 June 2012

 Date

Other Measures			CERTIFICATION BY	
ITEM	MEASURE	STANDARD OF PERFORMANCE	DESIGN	INSTALL
1	Access and Egress	BCA 2010 AS1428.1	-	Compliance Certificate prepared by Access Associates Sydney, dated 30.07.12
2	Commercial kitchen exhaust	BCA2010 Clause F4.15, AS/NZS 1668.1 - 1998 and AS 1668.2 - 1991	-	Installation Certificate prepared by Austral Air Conditioning Service, dated 19.06.12
3	Construction and Fitout of Food Premises	Food Act 2003, Food Regulation 2004 and AS 4674-2004 and DA Conditions B) 29-44	-	Installation Certificate prepared by Austmont Catering Equipment P/L and Sangster Design Group, dated 04.07.12, 20.06.12 & 20.06.12
4	Damp proofing	BCA2010 Clauses F1.9 and F1.10 and • AS/NZS2904 or AS3660.1; and • AS2870	-	Installation Certificate prepared by Favetti Bricklaying P/L, dated 04.07.12
5	Disabled access and egress	Access into and within the building BCA2010 Part D3 and AS1428.1 Carparking BCA2010 Clause D3.5 and AS2890.1 Braille and tactile signage BCA2010 Clause D3.6, Specification D3.6 and AS1428.1 Tactile ground indicators BCA2010 Clause D3.8 and AS1428.4 Sanitary facilities BCA2010 Clause F2.4 and AS1428.1 Facilities within lifts BCA2010 Clause E3.6 and AS1735.12	-	Compliance Certificate prepared by Access Associates Sydney, dated 30.07.12
6	Energy Efficiency (Air-Conditioning And Ventilation Systems)	BCA2010 Part J5, Specification J5.2 and Specification J5.4 Time switch in accordance with Specification J6	-	Installation Certificate prepared by Austral Air Conditioning Service, dated 19.06.12
7	Energy Efficiency (Artificial Lighting and Power)	BCA2010 Part J6 and Specification J6	-	Installation Certificate prepared by Goldline Insustries, dated 12.07.12

Other Measures			CERTIFICATION BY	
ITEM	MEASURE	STANDARD OF PERFORMANCE	DESIGN	INSTALL
8	Energy Efficiency (Building Sealing)	Chimneys & Flues • BCA2010 Clause 3.2 Roof lights • BCA2010 Clause J3.3 Windows and doors • BCA2010 Clause J3.4 Exhaust fans • BCA2010 Clause J3.5 Construction of roofs, walls and floors • BCA2010 Clause J3.6 Evaporative cooler • BCA2010 Clause J3.7	-	Installation Certificate prepared by Hansen Yuncken and K+L Aluminum + Glass Pty Ltd and Buildup Interior Pty Ltd and Austral Air Conditioning and Favetti Bricklaying P/L, AGF Metal Roofing P/L, dated 25.07.12, 24.07.12, 24.07.12, 24.07.12, 24.07.12, 25.07.12
9	Energy Efficiency (Fabric)	Insulation • AS/NZS 4859.1 and installed in accordance with BCA2008 Clause J1.2 Roof and ceiling construction • BCA2010 Clause J1.3 and Table J1.3 Roof lights • BCA2010 Clause J1.4 and Table J1.4 Walls • BCA2010 Clause J1.5 and Table J1.5a or J1.5b Floors • BCA2010 Clause J1.6 and Table J1.6	-	Installation Certificate prepared Buildup Interior Pty Ltd and AGF Metal Roofing P/L, dated 21.05.12 and 04.07.12
10	Energy Efficiency (External Glazing and Shading)	BCA2010 Clause J2.3 Glazing – Method 2, and Clause J2.5 Shading	-	Installation Certificate prepared K+L Aluminum + Glass Pty Ltd, dated 04.07.12
11	Energy Efficiency (Hot Water Supply)	BCA2010 Part J7 and Section 8 of AS/NZS3500.4	-	Installation Certificate prepared by AJAX Plumbing, dated 18.09.12
12	RL's of External car park and landscaped areas, building floor slabs, and high points on roofs	The Finished levels are generally in accordance with the Approved Development Consent Drawings.	-	Installation Certificate prepared by Lawrence Group Pty Ltd, dated 05.07.12
13	Fire hazard properties	BCA2010 Specification C1.10, C1.10a and A.4	-	Installation Certificate prepared by Buildup Interior Pty Ltd and Accent Carperets Pty Ltd and CSR, dated 21.05.12 and 11.07.12 and 10.07.12

Other Measures			CERTIFICATION BY	
ITEM	MEASURE	STANDARD OF PERFORMANCE	DESIGN	INSTALL
14	Fire resisting construction	BCA2010 Part C2, AS 1170.1 - 1989, AS 1170.2 - 1989, AS 1170.4 - 1993, AS 3600 - 2001, AS 3700 - 2001, AS 4100 - 1998 and in accordance with a tested prototype to the scheduled Architects drawings.	-	Installation Certificate prepared by Hamsen Yuncken P/L, dated 25.07.12
15	Fire resisting construction (Masonry)	BCA2010 Part C2, AS 1170.1 - 1989, AS 1170.2 - 1989, AS 1170.4 - 1993, AS 3600 - 2001, AS 3700 - 2001, AS 4100 - 1998 and in accordance with a tested prototype to the Architects drawings.	-	Installation Certificate prepared by Favetti Bricklaying P/L, dated 04.07.12
16	Fire resisting construction (Plasterboard walls and/or ceilings)	BCA2010 Part C2 and in accordance with an approved Manufacturer's system as required by the Architects drawings.	-	Installation Certificate prepared by Buildup Interior Pty Ltd, dated 21.05.12
17	Fire resisting construction (Reinforced Concrete)	BCA2010 Part C2, AS 1170.1 - 1989, AS 1170.2 - 1989, AS 1170.4 - 1993, AS 3600 - 2001, AS 3700 - 2001, AS 4100 - 1998 and in accordance with a tested prototype to the scheduled Architects drawings.	-	Installation Certificate prepared by Mott Macdonalds, dated 26.07.12
18	Glazing	Glazing in external walls <ul style="list-style-type: none"> • BCA2010 Clause F1.13 • AS2047 Other Glazing <ul style="list-style-type: none"> • AS1288 (including bi-fold doors, revolving doors, skylights, shopfront doors & one off doors) 	-	Installation Certificate prepared by Glavcom Pty Ltd and Advance Metal Industries Australia and K & L Aluminium & Glass Pty Ltd, dated 09.07.12 and 27.06.12 and 17.07.12, 04.07.12
19	Hearing augmentation	BCA2010 D3.7 and AS 1428.1	-	Installation Certificate prepared by Goldline Industries, dated 12.07.12
20	Light (general)	BCA2010 Clause F4.4 and AS 1680.0 - 1998	-	Installation Certificate prepared by Goldline Industries, dated 12.07.12
21	Pool and Spa water reticulation system	BCA2010 Part NSW G1.1 and AS 1926.3	-	Installation Certificate prepared by Wright Pools, dated 18.06.12
22	Pool Safety Requirements	BCA2010 Clause G1.1, Swimming Pools Act 1992, Swimming Pools Regulation 1998, AS1926, AS1926.1, AS1926.2.	-	Installation Certificate prepared by Wright Pools, dated 18.06.12

Other Measures			CERTIFICATION BY	
ITEM	MEASURE	STANDARD OF PERFORMANCE	DESIGN	INSTALL
23	Roof construction and covering	BCA2010 Clauses B1.4 and F1.5 <ul style="list-style-type: none"> • AS/NZS 1562.3 & AS4256.1, 2,3, & 5 (plastic roofing) • AS2049 & AS2050 (roof tiling) • AS/NZS 2908.1 with safety mesh installed in accordance with AS/NZS 1562.3 (Corrugated cement sheets) • AS1562.1 (Metal roofing) 	-	Installation Certificate prepared by AGF Metal Roofing P/L, dated 04.07.12
24	Sarking for roof and walls	BCA2010 F1.6 and AS/NZS4200.1 and .2	-	Installation Certificate prepared by Favetti Bricklaying P/L and AGF Metal Roofing P/L, dated 04.07.12 and 04.07.12
25	Smoke proof walls	BCA2010 NSW Clause C2.5 and Clause C2.14 and Specification C2.5	-	Installation Certificate prepared by Buildup Interior Ply Ltd, dated 06.07.12
26	Sound insulation	BCA2010 Part F5, Specification F5.2 and Specification F5.5, AS/NZS 1276.1 - 1999 or ISO 717.1 – 1996 and AS/ISO 717.2 - 2004	-	Wall Noise Transmission Loss Testing Report prepared by Acoustic Logic, dated 11.07.12
27	Stormwater drainage	BCA2010 Clause F1.1 and AS/NZS 3500.3.2	-	Installation Certificate prepared by AJAX Plumbing, dated 18.06.12
28	Structure general	BCA2008 Part B1 including: Imposed Actions/Loads: <ul style="list-style-type: none"> • AS/NZS 1170.0 (general principles) • AS/NZS 1170.1 (permanent & other actions) • AS/NZS 1170.2 (wind actions) • AS 1170.1 (dead & live loads) • AS 1170.2 (wind loads) • AS1170.4 (earthquake loads) Structural Resistance of Materials & Forms of Construction: <ul style="list-style-type: none"> • AS3700 (masonry) • Residential & low rise steel framing NASH standard • AS3600 (concrete construction) • AS2327.1 (composite steel & concrete) • AS1720.1 (design of timber structures) • AS1684.2 or .3 or .4 (timber structures) • AS2159 (Piling) • AS1735.2 (lift shafts without an FRL) Balustrades <ul style="list-style-type: none"> • AS1170.1 Clause 3.6 	-	Installation Certificate prepared by Advance Metal Industries Australia and Structural Systems and Summermore Pty Ltd, Mott MacDonald, dated 27.06.12, 14.05.12, 27.10.11, 19.06.12
30	Ventilation (general)	BCA2010 Clause NSW F4.5(b) and AS 1668.2 – 1991	-	Installation Certificate prepared by Austral Air Conditioning, dated 19.06.12

Other Measures			CERTIFICATION BY	
ITEM	MEASURE	STANDARD OF PERFORMANCE	DESIGN	INSTALL
31	Waterproofing of wet areas	BCA2010 Clause F1.7 and AS 3740 – 2004 and installed in accordance with the manufacturer's recommendations	-	Installation Certificate prepared by Tremco Pty Limited and Top Gun Joint Sealing, dated 26.09.11, 02.05.12

COMMERCIAL KITCHEN & EXHAUST - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Commercial kitchen exhaust	BCA2010 Clause F4.15, AS/NZS 1668.1 - 1998 and AS 1668.2 - 1991

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: MIEA

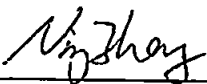
- f) The information contained in this statement is true and accurate to the best of my knowledge.

Name: NING ZHANG

Company: Austral Air Conditioning Service P/L

Address: 3/54-56 Darley St, Mona Vale, NSW 2103

Phone No. 02 - 9999 6644 Fax No. 02 - 9999 6633


Signature

19/06/2012
Date

CONSTRUCTION AND FITOUT OF FOOD PREMISES - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

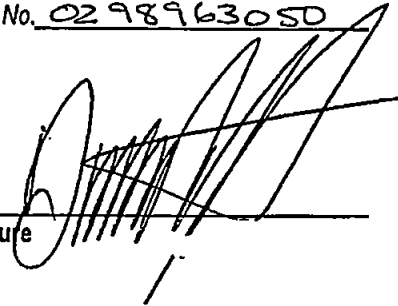
Measure and/or system	Standards of Performance
Construction and Fitout of Food Premises	Food Act 2003, Food Regulation 2004 and AS 4674-2004 and DA Conditions B) 29-44

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: Industry Operator for 27 years.

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: Don Petroff
 Company: Asstmont Catering Equipment P/L
 Address: 21 Amax Ave Girraween NSW 2145
 Phone No. 02 98963050 Fax No. 02 98963059

Signature  _____
 Date 4/7/2012

Austmont

CATERING EQUIPMENT PTY LTD

A.B.N. 94 002 542 798 A.C.N. 002 542 798
21 AMAX AVENUE, GIRRAWEE NSW 2145
TELEPHONE: (02) 9896 3050 FAX: (02) 9896 3059
P.O. BOX 667, SEVEN HILLS, NSW 1730

COMPLIANCE.doc

20th June, 2012

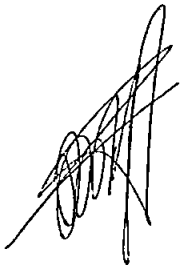
To Whom It May Concern:

Re: ARV WARRIEWOOD

We confirm the fitout of equipment and refrigeration in the above location supplied by Austmont Catering Equipment Pty Ltd in June 2012 complies with the National Food Code current at that time. This code is designed to comply with requirements of the N.S.W. Pure Foods Act and Regulations and is adopted by Sydney and Metropolitan Council's -

- A: Food Act 2003 and Regulations
- B: FSANZ Food Standards Code
- C: AS4674 Design Construction and Fitout of Food Premises
- D: The Protection of the Environment Operations Act 1997
- E: Water Efficiency Labeling and Standards Act 2005 (*WELS Act*)

Yours sincerely



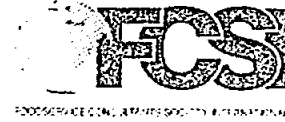
Donald D. Petroff
Director



SANGSTER DESIGN GROUP PTY LTD ABN 90 857 119 706

PO Box 3558 Parramatta NSW 2124
Unit 49 1/9 Palmer Street, North Parramatta NSW 2151

Telephone: (02) 9630 0148
Facsimile: (02) 9630 5755
Email: cad@sangsterdesign.com.au



20 June 2012

Hansen Yuncken
Level 6, 15 Bourke Road
MASCOT 2020

Attention: Mr. D. Skinner

**WARRIEWOOD BROOK STAGE III
DESIGN COMPLIANCE CERTIFICATE**

Dear Darren,

We confirm that the design of the new Food and Beverage facilities for the Cafe is in accordance with the National Code (AS4674-2004) for the *Design & Fit out of Foodservice Premises* and those clauses that have been adopted by the local Health Authority.

The design is contained in the following documents :

- Design Brief : August 2010
- Design Drawings : 2760-100, 101 and 201 marked "For Tender" October 2011.
- Tender Specification : October 2011

On completion of the fitout, we will inspect the facility for compliance with AS4674 and ensure any non-compliance issues are rectified.

Yours faithfully
SANGSTER DESIGN GROUP PTY LTD

A handwritten signature in black ink, appearing to read 'Ken Sangster', with a long horizontal flourish extending to the right.

KEN SANGSTER FCSI
Principal

4

DAMP PROOFING - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

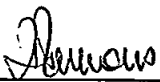
Measure and/or system	Standards of Performance
Damp proofing	BCA2010 Clauses F1.9 and F1.10 and • AS/NZS2904 or AS3660.1; and • AS2870

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: BACHELOR OF BLDG (UNSW)
17 YRS MASONRY EXPERIENCE IN CONSTRUCTION

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: ROBERT TANNOUS
 Company: FAVETTI BRICKLAYING PTW
 Address: 17 GARNER PL. INGUEBENS NSW 2565
 Phone No. (02) 9426-3400 Fax No. (02) 9426-3422


 Signature

4/7/2012
 Date

ENERGY EFFICIENCY (AIR-CONDITIONING AND VENTILATION SYSTEMS) - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 – Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Energy Efficiency (Air-Conditioning And Ventilation Systems)	BCA2010 Part J5, Specification J5.2 and Specification J5.4 Time switch in accordance with Specification J6

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: MIEA

- g) The information contained in this statement is true and accurate to the best of my knowledge.

Name: NING ZHANG

Company: Austral Air Conditioning Service P/L

Address: 3/54-56 Darley St, Mona Vale, NSW 2103

Phone No. 02 – 9999 6644 Fax No. 02 – 9999 6633

Signature 

Date 19/06/2012

7

ENERGY EFFICIENCY (ARTIFICIAL LIGHTING AND POWER) - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Energy Efficiency (Artificial Lighting and Power)	BCA2010 Part J6 and Specification J6

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: ELECTRICAL LICENSE

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: PAUL KAROASIS
 Company: GOLDLINE INDUSTRIES
 Address: 27 UNIT 215 MARS RD LANE COVE WEST
 Phone No. 9420 0777 Fax No. 9428 4772

Paul Karoasis
 Signature

12/07/2012
 Date

7



GOLDLINE INDUSTRIES PTY LTD ABN 35743420710

Electrical and Communications Solutions

215/27 Mars Road, Lane Cove, NSW 2066

P 02 9420 0777 F 02 9428 4772 E info@goldlineindustries.com.au W www.goldlineindustries.com.au

12th of July 2012

Anglican Retirement Villages
(Diocese of Sydney)
Level 2, Century Corporate Centre
62 Norwest Boulevard,
Baulkham Hills NSW 2153

Att: Mr Ayman El-Omar

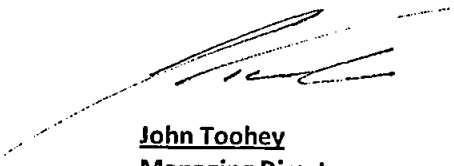
Re: ARV WARRIEWOOD BROOK STAGE 3 – DESIGN CERTIFICATE

We hereby confirm that the Electrical, Fire, BOWS and Communications Design at the Warriewood Brook Stage 3 is in accordance with the relevant requirements and the following standards and design documentation

- 1) BCA Code of Australia 2007 Section J6
- 2) AS/NZ3000:2007 Electrical Installations
- 3) AS2293:1 Emergency and Exit Lighting
- 4) AS/NZ 1680.0 Interior Lighting
- 5) AS/NZS:3080 Telecommunications Installations
- 6) AS1670 Fire Detection Systems
- 7) NSW Service Installation Rules
- 8) BASIX Certificate 334372M Dated 8/10/2010

We trust that this Certificate meets with your favorable satisfaction, if you require any further information or clarification please contact the undersigned.

Yours Faithfully

A handwritten signature in black ink, appearing to read 'John Toohy', with a long horizontal stroke extending to the left.

John Toohy
Managing Director
Goldline Industries Pty Ltd
0423 660 510
John.toohy@goldlineindustries.com.au

8

ENERGY EFFICIENCY (BUILDING SEALING) - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Energy Efficiency (Building Sealing)	<ul style="list-style-type: none"> -Chimneys & Flues •BCA2010 Clause 3.2 Roof lights •BCA2010 Clause J3.3 Windows and doors •BCA2010 Clause J3.4 Exhaust fans •BCA2010 Clause J3.5 Construction of roofs, walls and floors •BCA2010 Clause J3.6 -Evaporative cooler •BCA2010 Clause J3.7

b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: Project Manager - Harsco Limited

c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: Jason Skovish

Company: Harsco Limited

Address: Level 6, 15 Burke Rd, Maroubra NSW 2020

Phone No. 9770 7600 Fax No. 9770 7601

[Signature]
Signature

25 July 2012
Date

8

ENERGY EFFICIENCY (BUILDING SEALING) - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Energy Efficiency (Building Sealing)	Chimneys & Flues • BCA2010 Clause 3.2 Roof lights • BCA2010 Clause J3.3 Windows and doors • BCA2010 Clause J3.4 Exhaust fans • BCA2010 Clause J3.5 Construction of roofs, walls and floors • BCA2010 Clause J3.6 Evaporative cooler • BCA2010 Clause J3.7

b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

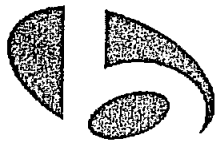
Relevant qualifications and accreditations: TRADESMAN 69 Years

c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: Michael John HEALD
 Company: K+L ALUMINIUM + GLASS PTY LTD
 Address: Unit 11 15/17 CARTWRIGHT AVE BANKSTOWN 2200
 Phone No. 97075550 Fax No. 97075550

Signature 

Date 24-7-12



Buildup Interior

ABN 14 096 587 576

19 Beaumont Street
Campsie NSW 2194

Tel: (02) 9718 5191
Fax: (02) 9718 5391
Email: buildup@hotmail.com

8

ENERGY EFFICIENCY (BUILDING SEALING) - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Energy Efficiency (Building Sealing)	Chimneys & Flues • BCA2010 Clause 3.2 Roof lights • BCA2010 Clause J3.3 Windows and doors • BCA2010 Clause J3.4 Exhaust fans • BCA2010 Clause J3.5 Construction of roofs, walls and floors • BCA2010 Clause J3.6 Evaporative cooler • BCA2010 Clause J3.7

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: Contractor Licence Number 137762C Expiry 03/10/2013

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: Bing WU

Company: Buildup Interior Pty Ltd

Address: 19 Beaumont St Campsie NSW 2194

Phone No. 02 9718 5191 Fax No.: 02 9718 5391

Signature

24/07/2012

Date

8

ENERGY EFFICIENCY (BUILDING SEALING) - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 – Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

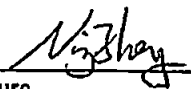
Measure and/or system	Standards of Performance
Energy Efficiency (Building Sealing)	<p>Chimneys & Flues</p> <ul style="list-style-type: none"> • BCA2010 Clause 3.2 <p>Roof lights</p> <ul style="list-style-type: none"> • BCA2010 Clause J3.3 <p>Windows and doors</p> <ul style="list-style-type: none"> • BCA2010 Clause J3.4 <p>Exhaust fans</p> <ul style="list-style-type: none"> • BCA2010 Clause J3.5 ✓ <p>Construction of roofs, walls and floors</p> <ul style="list-style-type: none"> • BCA2010 Clause J3.6 <p>Evaporative cooler</p> <ul style="list-style-type: none"> • BCA2010 Clause J3.7

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: MIEA

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: NING ZHANG
 Company: AUSTRAL AIR CONDITIONING SERVICES P/L
 Address: 3/54-56 Darley st. Mone Vale
 Phone No. 9999 6644 Fax No. 9999 6633


 Signature

24/07/2012
 Date

8

ENERGY EFFICIENCY (BUILDING SEALING) - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.


Measure and/or system	Standards of Performance
Energy Efficiency (Building Sealing)	Chimneys & Flues •BCA2010 Clause 3.2 Roof lights • BCA2010 Clause J3.3 Windows and doors • BCA2010 Clause J3.4 Exhaust fans • BCA2010 Clause J3.5 Construction of roofs, walls and floors • BCA2010 Clause J3.6 Evaporative cooler • BCA2010 Clause J3.7

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: BACHELOR OF BUDG (UNSW)
17 YRS MASONRY EXPERIENCE IN CONSTRUCTION

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: ROBERT TANNOUS
 Company: FAVETTI BRICKLAYING PTY LTD
 Address: 17 GARNER PL. INGEBURN NSW 2565
 Phone No. (02) 9426-3400 Fax No. (02) 9426-3422


 Signature

24/7/12
 Date

8

ENERGY EFFICIENCY (BUILDING SEALING) - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 – Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Energy Efficiency (Building Sealing)	Chimneys & Flues •BCA2010 Clause 3.2 Roof lights •BCA2010 Clause J3.3 Windows and doors •BCA2010 Clause J3.4 Exhaust fans • BCA2010 Clause J3.5 Construction of roofs, walls and floors • BCA2010 Clause J3.6 Evaporative cooler •BCA2010 Clause J3.7

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: DIRECTOR


- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: SIMON CARNOVALE

Company: AGF METAL ROOFING P/L

Address: 3 WARRABA RD NARRABEN

Phone No. 9913 3800 Fax No. 9913 1899



 Signature

25/7/12

 Date



ABN 14 096 587 576

19 Beaumont Street
Campsie NSW 2194

Tel: (02) 9718 5191
Fax: (02) 9718 5391
Email: buildup@hotmail.net.au

ENERGY EFFICIENCY (FABRIC) - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Energy Efficiency (Fabric)	Insulation • AS/NZS 4859.1 and installed in accordance with BCA2008 Clause J1.2 Ceiling construction • BCA2010 Clause J1.3 and Table J1.3 Walls • BCA2010 Clause J1.5 and Table J1.5a or J1.5b

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: Contractor Licence number 137762C Expiry 03/10/2013

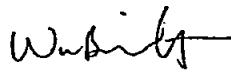
- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: Bing WU

Company: Buildup Interior Pty Ltd

Address: 19 Beaumont St Campsie NSW 2194

Phone No. 02 9718 5191 Fax No.: 02 9718 5391



Signature

21/05/2012

Date

ENERGY EFFICIENCY (FABRIC) - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.


Measure and/or system	Standards of Performance
Energy Efficiency (Fabric)	Insulation ✓ • AS/NZS 4859.1 and installed in accordance with BCA2008 Clause J1.2 Roof and ceiling construction • BCA2010 Clause J1.3 and Table J1.3 ✓ Roof lights • BCA2010 Clause J1.4 and Table J1.4 Walls • BCA2010 Clause J1.5 and Table J1.5a or J1.5b Floors • BCA2010 Clause J1.6 and Table J1.6

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: DIRECTOR

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: SIMON CARNOALE
 Company: AMF METAL ROOFING P/L
 Address: 3 WARRARA RD NARRABEEN NSW 2101
 Phone No. 9913 3800 Fax No. 9913 1899



 Signature

4/7/12

 Date

Roof and ceiling construction R-Value

Roof description	Item	Item Description	R-Value unventilated		R-Value ventilated	
			Up	Down	Up	Down
	1.	75 ANGLON D.I.E	R1.402	R1.698		
	2.					
	3.					
	4.					
	5.					
	6.					
	Total R-Value					

Wall construction R-Value

Wall description	Item	Item Description	R-Value
	1.		
	2.		
	3.		
	4.		
	5.		
	6.		
	Total R-Value		

Floor construction R-Value

Floor description	Item	Item Description	R-Value		
			Up	Down	
	1.				
	2.				
	3.				
	4.				
	5.				
	6.				
	Total R-Value				

Narriehood . OC Certificates . - Energy efficiency (Fabric) - 9
Installation certificate.

Roof and ceiling construction R-Value

Roof description	Item	Item Description	R-Value unventilated		R-Value ventilated	
			Up	Down	Up	Down
	1.	13mm PB		0.07		0.05
	2.	6mm FC		0.03		0.03
	3.	Ceiling Insulation		0.0		
	4.					
	5.					
	6.					
	Total R-Value					

Wall construction R-Value

Wall description	Item	Item Description	R-Value
	1.	13mm PB	0.06
	2.	75mm Insulation	2.5
	3.	Grid	-
	4.	6mm Villoboard	0.03
	5.	25mm Insulation	1.7
	6.		
	Total R-Value		

Floor construction R-Value

Floor description	Item	Item Description	R-Value	
			Up	Down
	1.			
	2.			
	3.			
	4.			
	5.			
	6.			
	Total R-Value			

10

ENERGY EFFICIENCY (GLAZING AND SHADING) - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Energy Efficiency (External Glazing and Shading)	BCA2010 Clause J2.3 Glazing - Method 2, and Clause J2.5 Shading

b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: TRADEMASTER - 5 YEARS

c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: Michael Behan
 Company: K&L Aluminium + Glass Pty Ltd
 Address: Unit 11 15/17 Eastwood Ave Bankstown 2230
 Phone No. 9707 3550 Fax No. 9707 3550


Signature

4-7-12
Date

4

ENERGY EFFICIENCY (HOT WATER SUPPLY) - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.


Measure and/or system	Standards of Performance
Energy Efficiency (Hot Water Supply)	BCA2010 Part J7 and Section 8 of AS/NZS3500.4

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: _____

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: JOSHUA BULGIN
 Company: AJAX PLUMBING
 Address: UNIT 6, 8 CAMPBELL ST ARTARMON
 Phone No. 9493-7300 Fax No. 9906-2806



 Signature

18-6-12

 Date

GREEN STAR ASSOCIATE

12

FINAL SURVEY - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
RL's of External car park and landscaped areas, building floor slabs, and high points on roofs	The Finished levels are generally in accordance with the Approved Development Consent Drawings.

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: Registered Surveyor

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: Shane Lawrence

Company: Lawrence Group Pty Ltd

Address: Level 1, 183 Oximber St, Mosman

Phone No. 8689 6444

Fax No. 8689 6855

S. Lawrence
Signature

5/7/12
Date

4
13



ABN 14 096 587 576

19 Beaumont Street
Campsie NSW 2194

Tel: (02) 9718 5191
Fax: (02) 9718 5391
Email: buildup@hotmail.com

FIRE HAZARD PROPERTIES CERTIFICATION - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 – Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Fire hazard properties	BCA2010 Specification C1.10, C1.10a and A.4

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: Contractor Licence number 137762C Expiry 03/10/2013

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: Bing WU
 Company: Buildup Interior Pty Ltd
 Address: 19 Beaumont St Campsie NSW 2194
 Phone No. 02 9718 5191 Fax No.: 02 9718 5391

Signature

21/05/2012
Date

FIRE HAZARD PROPERTIES CERTIFICATION - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Fire hazard properties	BCA2010 Specification C1.10, C1.10a and A.4

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: CARPET INSTALLER / SITE SUPERVISOR

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: WAYNE EWING
 Company: ACCENT CARPETS PTY LTD
 Address: 1/332 HOXTON PARK RD LIVERPOOL
 Phone No. 9608 1133 Fax No. 9607 4849

Ward
 Signature

11/7/12
 Date



13

CSR DESIGN INFORMATION

Date: 10 July 2012
Project: Warriewood Valley Retirement Village
Site Location: 6-14 Macpherson Street Warriewood NSW 2102
Builder: Hansen Yuncken Pty Ltd
Contractor: Buildup Interior Pty Ltd

FIRE HAZARD PROPERTIES

The following fire hazard properties for plasterboard and fibre cement have been assessed using AS/NZS3837 cone calorimeter test.

CSR Product	ASEA (m ² /kg)	Group Number	Test Report
10 & 13mm Plasterboard CD	<250	1	WFRA 45759
10mm Supaceil	<250	1	WFRA 45759
10 & 13mm Soundchek	<250	1	WFRA 45759
10 & 13mm Aquachek	<250	1	WFRA 45759
6.5mm Flexible Plasterboard	<250	1	WFRA 45759
13mm Perforated Gyprock	<250	1	WFRA 45759
13 & 16mm Fyrchek	<250	1	WFRA 45759
13 & 16mm Fyrchek MR	<250	1	WFRA 45759
25mm Shaft Liner Panel	<250	1	WFRA 45759
10mm Supachek	<250	1	WFRA 45759
13mm Impactchek	<250	1	WFRA 45759
13mm EC08 Partition	<250	1	WFRA 45759
13mm EC08 Fire	<250	1	WFRA 45759
13mm EC08 Impact	<250	1	WFRA 45759
Cemintel FC Wallboard	<250	1	WFRA 45759
13mm Perforated Gyprock Panels	<250	1	WFRA 45759
10mm Freshtone Diamond White Panels	<250	1	WFRA 45759
10mm Supatone Panels	<250	1	WFRA 45759
10 & 13mm Unpainted Gyprock Panels	<250	1	WFRA 45759

ASEA refers to Average Specific Extinction Area

COMBUSTIBILITY

In accordance with BCA Clause C1.12, plasterboard and fibre cement sheet may be used wherever a non-combustible material is required by the Code.

Yours faithfully,
 CSR Lightweight Systems

Antoine Veling
 Commercial Sales Manager

CSR Building Products Limited ABN 55 008 631 356
 Commercial Design Centre
 97-101 Pyrmont Bridge Road, Pyrmont NSW 2009
 Telephone: 02 9552 8252
 Facsimile: 02 9552 8260



14

FIRE RESISTING CONSTRUCTION - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Fire resisting construction	BCA2010 Part C2, AS 1170.1 - 1989, AS 1170.2 - 1989, AS 1170.4 - 1993, AS 3600 - 2001, AS 3700 - 2001, AS 4100 - 1998 and in accordance with a tested prototype to the scheduled Architects drawings.

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: PROJECT MANAGER - HANSEN YOUNGSON P/L

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: DARREN SUNDAL
 Company: HANSEN YOUNGSON P/L
 Address: LEVEL 6, 15 BARKER RD, MAREE NTW 2020
 Phone No. 02 9770 7600 Fax No. 02 9770 7601

[Signature]
 Signature

25 July 2012
 Date

15

FIRE RESISTING CONSTRUCTION – MASONRY CONSTRUCTION - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 – Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

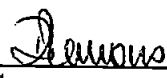
Measure and/or system	Standards of Performance
Fire resisting construction (Masonry)	BCA2010 Part C2, AS 1170.1 - 1989, AS 1170.2 - 1989, AS 1170.4 - 1993, AS 3600 - 2001, AS 3700 - 2001, AS 4100 - 1998 and in accordance with a tested prototype to the Architects drawings.

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: BACHELOR OF BLDG (UNSW),
17 YRS MASONRY EXPERIENCE IN CONSTRUCTION.

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: ROBERT TANNOUS
Company: FAVITA BRICKLAYING P/L
Address: 17 GARNER PL. INGUEBURN NSW 2565
Phone No. (02) 9426-3400 Fax No. (02) 9426-3422


Signature

4/7/2012
Date



ABN 14 096 587 576

19 Beaumont Street
Campsie NSW 2194

Tel: (02) 9718 5191
Fax: (02) 9718 5391
Email: buildup@hotmail.com

16

FIRE RESISTING CONSTRUCTION – PLASTERBOARD WALLS AND/OR CEILINGS - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 – Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Fire resisting construction (Plasterboard walls and/or ceilings)	BCA2010 Part C2 and in accordance with an approved Manufacturer's system as required by the Architects drawings.

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: Contractor Licence number 137762C Expiry 03/10/2013

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: Bing WU

Company: Buildup Interior Pty Ltd

Address: 19 Beaumont St Campsie NSW 2194

Phone No. 02 9718 5191 Fax No.: 02 9718 5391

A handwritten signature in black ink, appearing to read "Wu Bing", written over a horizontal line.

Signature

21/05/2012

Date

FIRE RESISTING CONSTRUCTION – REINFORCED CONCRETE - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 – Whole Building

I hereby certify that:

a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Fire resisting construction (Reinforced Concrete)	BCA2010 Part C2, AS 1170.1 - 1989, AS 1170.2 - 1989, AS 1170.4 - 1993, AS 3600 - 2001, AS 3700 - 2001, AS 4100 - 1998 and in accordance with a tested prototype to the scheduled Architects drawings.

b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: BENG (HONS), (PENG), NPER

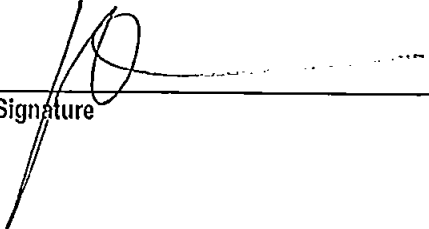
c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: JOHN WILLIAMS

Company: MOY MACDONALD AUSTRALIA

Address: LEVEL 2 60 PACIFIC HWY ST LEONARDS

Phone No. 9439 2633 Fax No. 9348 4505



 Signature

26/7/12

 Date

18

GLAZING - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address:	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.


Measure and/or system	Standards of Performance
Glazing	Glazing in external walls • BCA2010 Clause F1.13 • AS2047 Other Glazing • AS1288 (Including bi-fold doors, revolving doors, skylights, shopfront doors & one off doors)

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: License no: 158219C

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: Pasquale Colipani
 Company: GIVCOM Pty Ltd
 Address: Unit 2, 39 Topham Road, Smeaton Grange NSW 2567
 Phone No. (02) 4631 4600 Fax No. (02) 4647 9361



 Signature

9.7.12

 Date

18

GLAZING - INSTALLATION CERTIFICATE

Project Name	<i>Warriewood Valley Retirement Village</i>
Address	<i>6-14 Macpherson Street Warriewood NSW 2102</i>
Part of Building to be certified	<i>Stage 3 – Whole Building</i>

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Glazing Canopy to Front Lobby	Other Glazing • AS1288 Glazed Canopy to Entry Lobbie


- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (Company Director)
- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: Rick Hall

Company: Advance Metal Industries Australia

Address: 183 Orlando Street Coffs Harbour NSW 2450

Phone No. 0266526955 Fax No. 0266523676



27.06.12

Signature

Date

18

K&L Aluminium & Glass Pty Ltd.

A.B.N 55 085 076 375

Unit 11, 15-17 Gartmore Avenue

BANKSTOWN NSW 2200

Phone/fax 02 9707 3550

041 8686 927

Email klaluminium@bigpond.com

17th July 2012

Anglican Retirement Villages (Diocese of Sydney) Level 2 Century
Corporate Centre, 62 Norwest Boulevard Baulkham Hills NSW 2153

Project: Warriewood Brook Stage 3,

Certificate of Compliance and Warranty

To Whom It May Concern,

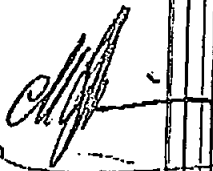
This is to certify that the above project was manufactured and installed in accordance with AS2047 and glazed in accordance with AS1288.

The Aluminium windows and doors carry a warranty of 10 years from completion. Hardware and door furniture are covered by manufacturers guarantee (guarantee attached)

All the glazing is in compliance with the Basix Certificate No 334372m

Should you have any questions, please don't hesitate to contact me on the above number.

Regards



Michael Keain

GLAZING - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Glazing	Glazing in external walls • BCA2010 Clause F1.13 • AS2047 Other Glazing • AS1288 (including bi-fold doors, revolving doors, skylights, shopfront doors & one off doors)

b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: TRADESMAN - 53 YEARS

c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: MICHAEL BEAUN
 Company: K&L ALUMINIUM & GLASS PTY LTD
 Address: UNIT 11 15/17 GREAT NORTH RD BARKSTOWN
 Phone No. 97073550 Fax No. 97073550

Signature: 

Date: 6-7-12

19

HEARING AUGMENTATION - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Hearing augmentation	BCA2010 D3.7 and AS 1428.1

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: ELECTRICAL LICENSE

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: PAUL KARDASIS
 Company: GOLDLINE INDUSTRIES
 Address: 27 UNIT 215 MARS RO LANE COVE WEST
 Phone No. 9420 0777 Fax No. 9428 4772

Paul Kardasis
 Signature

12/07/2012
 Date

LIGHTING (GENERAL) - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Light (general)	BCA2010 Clause F4.4 and AS 1680.0 - 1998

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: ELECTRICAL LICENCE

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: PAUL KAROASIS
 Company: GOLDLINE INDUSTRIES
 Address: 27 UNIT 215 MARS RD LANE COVE WEST
 Phone No. 9420 0777 Fax No. 9428 4772

Paul Karoasis
 Signature

12/07/2012
 Date

POOL AND SPA WATER RETICULATION SYSTEM - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.


Measure and/or system	Standards of Performance
Pool and Spa water reticulation system	BCA2010 Part NSW G1.1 and AS 1926.3 G1.1* VIA SUBMERSIBLE Pump.

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: MEMBER MBA, HIA, BUILD. CONF.,
LICENCED BUILDING.

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: Doug WRIGHT
 Company: WRIGHT Pools.
 Address: 194-196 FORREST WAY BELMORE 2085
 Phone No. 94500788 Fax No. 99863571



 Signature

18/6/12

 Date

POOL SAFETY REQUIREMENTS - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.


Measure and/or system	Standards of Performance
Pool Safety Requirements	BCA2010 Clause G1.1, Swimming Pools Act 1992, Swimming Pools Regulation 1998, AS1926, AS1926.1, AS1926.2, AS1926.3

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: MEMBER MBA, IFA, BUILD. CERT, LICENCED BUILDER.

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: DOUG WRIGAT
 Company: WRIGAT POOLS
 Address: 194-196 FOLLETT WAY BELMORE 2085
 Phone No. 94500788 Fax No. 99863571


 Signature

18/6/12
 Date

ROOF CONSTRUCTION AND COVERING - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Roof construction and covering	BCA2010 Clauses B1.4 and F1.5 • AS/NZS 1562.3 & AS4256.1, 2,3, & 5 (plastic roofing) • AS2049 & AS2050 (roof tiling) • AS/NZS 2908.1 with safety mesh installed in accordance with AS/NZS 1562.3 (Corrugated cement sheets) • AS1562.1 (Metal roofing)

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: DIRECTOR

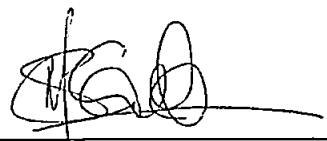
- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: SIMON CARNOVALE

Company: AF METAL ROOFING P/L

Address: 3 WARRABA RD NARRABEEN NSW 2101

Phone No. 9913 3800 Fax No. 9913 1899



 Signature

4/7/12

 Date

SARKING - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

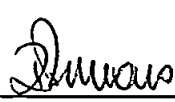
Measure and/or system	Standards of Performance
Sarking for roof and walls	BCA2010 F1.6 and AS/NZS4200.1 and .2

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: BACHELOR OF BUDG (UNSW),
17 YRS MASONRY EXPERIENCE IN CONSTRUCTION.

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: ROBERT TANNOUS
Company: FANETT BUCKLAYING P/L
Address: 17 GALNER PL. INGLEDEN NSW 2565
Phone No. (02) 9426-3400 Fax No. (02) 9426-3422


Signature

4/7/2012
Date

SARKING - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Sarking for roof and walls	BCA2010 F1.6 and AS/NZS4200.1 and .2

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: DIRECTOR

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: SIMON CARNOALE

Company: ARF METAL ROOFING P/L

Address: 3 WARABA RD NARRABEEN NSW 2101

Phone No. 9913 3800 Fax No. 9913 1899



 Signature

4/7/12

 Date



ABN 14 096 587 576

19 Beaumont Street
Campsie NSW 2194

Tel: (02) 9718 5191
Fax: (02) 9718 5391
Email: buildup@hotmail.net.au

25

SMOKE PROOF WALLS - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Smoke proof walls	BCA2010 NSW Clause C2.5 and Clause C2.14 and Specification C2.5

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: Contractor Licence number 137762C Expiry 03/10/2013

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: Bing WU

Company: Buildup Interior Pty Ltd

Address: 19 Beaumont St Campsie NSW 2194

Phone No. 02 9718 5191 Fax No.: 02 9718 5391

A handwritten signature in black ink, appearing to read 'Wu Bing'.

Signature _____

06/07/2012
Date _____

27

STORMWATER DRAINAGE - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Stormwater drainage	BCA2010 Clause F1.1 and AS/NZS 3500.3.2

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: 26y in the TRADE
LIC NO 180192C

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: STUART BOTT
Company: AJAX PLUMBING
Address: 6-8 CAMPBELL ST ARTHUR
Phone No. 9493 7300 Fax No. 9906 2806

D. Bott
Signature

18.6.12
Date

28

STRUCTURAL ADEQUACY - INSTALLATION CERTIFICATE

Project Name	<i>Warriewood Valley Retirement Village</i>
Address	<i>6-14 Macpherson Street Warriewood NSW 2102</i>
Part of Building to be certified	<i>Stage 3 – Whole Building</i>

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Glazed Canopies Privacy screens Fire Stairs Balcony Balustrades External Footpath & Stair rail on Mc Pherson Street Brand Lane Fence infills	BCA2008 Part B1 including: Imposed Actions/Loads: <ul style="list-style-type: none"> • AS/NZS 1170.0 (general principles) • AS/NZS 1170.1 (permanent & other actions) • AS/NZS 1170.2 (wind actions) • AS 1170.1 (dead & live loads) • AS 1170.2 (wind loads) • AS1170.4 (earthquake loads) Balustrades <ul style="list-style-type: none"> • AS1170.1 Clause 3.6 Skylight AS1288

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (Company Director)
- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: Rick Hall

Company: Advance Metal Industries Australia

Address: 183 Orlando Street Coffs Harbour NSW 2450

Phone No. 0266526955 Fax No. 0266523676

RHall.

27.06.12

Signature

Date



Structural Systems

28

Structural Systems (Northern) Pty Ltd
ABN: 87 076 604 281
20 Hilly Street
Mortlake
NSW 2137 Australia

+61 2 8767 6200 ☎
+61 2 8767 6299 ☎

www.structuralsystems.com.au

14 May 2012

Hansen Yuncken
Level 6, 15 Bourke Road
Mascot NSW 2020

Attn: Mr Ayman El-omar

Fax: (02) 9601 1493

Dear Sir,

Re: ARV Stage 3 Warriewood – 6-14 Macpherson St Warriewood
Structural Certification of Engineering Design

We hereby certify that this firm has undertaken the structural engineering design and documentation of selected items at the above project within the requirements of the Building Code of Australia, AS3600 – 2001/Amdt 2-2004, other relevant Australian Standards and accepted engineering practice.

The selected structural elements covered by this certification include the following items:

- First Floor (Area = 3550m² approximately)
- Excludes Pool, Slab on Grade, Stairs, Stair Landings, Vertical Elements

Following periodic site inspections of the post-tensioning and reinforcement to the works nominated we advise that they have been constructed in general accordance with the following Structural Systems drawings, and as amended by issued Structural Systems Site Instructions / Reports:

N10228– 01"A"; 02"A"; 11"B"; 12"B"; 13"B"; 14"B"; 21"C"; 22"B"; 23"B"; 24"A"; 31"A"; 32"A"; 33"A"

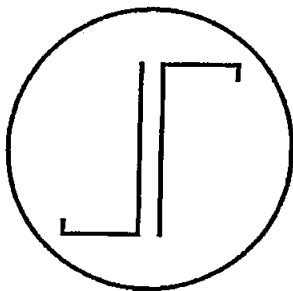
This certificate does not relieve the Builder of their responsibility as supervisors.

If you require any further information regarding this matter, do not hesitate to contact this office.

Yours faithfully,

Carl Youjun Xu
B.E.(Civil), Hons, MEngsc

Structural Systems (Northern) Pty Ltd



SUMMERMORE Pty Ltd ABN 42 108 898 433
 PO Box 1671
 Browns Plains BC
 Queensland, 4118
 Tel: 07 3800 0973 Fax: 07 3800 1860 Mob:0438288116
 E: ron@summermore.com.au
 W: www.summermore.com.au

Thursday, 27 October 2011

Matt Young
 Newcastle Steel Frames & Trusses
 Unit 1 / 12 Karoonda Close,
 Rathmines NSW 2283

Dear Mr Young

STRUCTURAL DESIGN CERTIFICATION (11-4325)
6-14 MACPHERSON STREET, WARRIEWOOD GROVE.

We, Summermore Pty Ltd, being Registered Structural and Civil Engineers, hereby confirm that we are in receipt of the following documents. Detailing Drawings 00577_INPUTS-b, 00577-T_1A, 00577-T_2A, and 00577-W_A from Newcastle Steel Frames & Trusses.

We further certify the design of the cold formed steel wall frames and roof trusses for the abovementioned project as detailed in the referenced documents have been designed in accordance with widely accepted engineering principles and the referenced codes of practice.

- | | |
|--------------------|---|
| AS/NZS 1170.0:2002 | Structural Design Actions Part 0—General Principles |
| AS/NZS 1170.1:2002 | Structural Design Actions Part 1—Permanent, Imposed & Other Actions |
| AS/NZS 1170.2:2002 | Structural Design Actions Part 2—Wind Loads |
| AS3566.1:2002 | Self Drilling Screws |
| AS 3623:1993 | Domestic Metal Framing |
| AS4100:1990 | Steel Structures Code |
| AS/NZS 4600:2005 | Cold Formed Steel Structures |

The design parameters for the abovementioned project are:

- | | |
|---------------------------------|--|
| Roofing: | Steel Sheet on steel roof battens |
| Ceiling: | Plasterboard |
| Nominal Truss Spacing: | 900mm |
| Nominal Bottom Chord Restraint: | 600mm |
| Nominal Stud Spacing: | 600mm |
| Wind Classification: | $V_{sl,1000} = 50\text{m/s}$ (specified by client and relied on us for design) |

This assessment is limited to the documentation supplied for the specific site address and compliance with the requirements of the published codes of practice listed and should not be used for any other purpose. Summermore Pty Ltd accepts no responsibility for information that has not been expressly identified as part of this assessment. This assessment can only be relied upon by the addressee and cannot be relied upon by any third party. Summermore Pty Ltd accepts no responsibility for any third party that seeks to rely upon this assessment.

If we can be of any further assistance in this matter, please do not hesitate to contact this office.

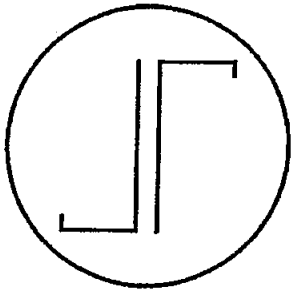
Yours Faithfully

Ronald Bell
 Grad Cert (Tech Mgt), BEng Civil (Hons), PEng, MIEAust (891940), RPEQ (6715), RBP(Vic)(EC27967), RBP(NT)(60596ES), RBP(Tas)(CC5556C), MAIB (9225), JPI(Qual).
 Director
 Summermore Pty Ltd



REGISTERED
 Building Practitioner





SUMMERMORE Pty Ltd ABN 42 108 898 433
PO Box 1671
Browns Plains BC
Queensland, 4118
Tel: 07 3800 0973 Fax: 07 3800 1860 Mob:0438288116
E: ron@summermore.com.au
W: www.summermore.com.au

Thursday, 17 November 2011

Mr Young
Newcastle Steel Frames & Trusses
Unit 1 / 12 Karoonda Close,
Rathmines NSW 2283

Dear Mr Young

STRUCTURAL DESIGN CERTIFICATION (11-4325)
6-14 MACPHERSON STREET, WARRIEWOOD GROVE - (P2).

We, Summermore Pty Ltd, being Registered Structural and Civil Engineers, hereby confirm that we are in receipt of the following documents. Detailing Drawings 00577-P2-INPUTS, 00577-P2-T1-A rb, 00577-P2-T2-A, 00577-P2-W-A and P2-Structural from Newcastle Steel Frames & Trusses.

We further certify the design of the cold formed steel wall frames and roof trusses for the abovementioned project as detailed in the referenced documents have been designed in accordance with widely accepted engineering principles and the referenced codes of practice.

AS/NZS 1170.0:2002	Structural Design Actions Part 0-General Principles
AS/NZS 1170.1:2002	Structural Design Actions Part 1-Permanent, Imposed & Other Actions
AS/NZS 1170.2:2002	Structural Design Actions Part 2-Wind Loads
AS3566.1:2002	Self Drilling Screws
AS 3623:1993	Domestic Metal Framing
AS4100:1990	Steel Structures Code
AS/NZS 4600:2005	Cold Formed Steel Structures

The design parameters for the abovementioned project are:

Roofing:	Steel Sheet on steel roof battens
Ceiling:	Plasterboard
Nominal Truss Spacing:	1200mm
Nominal Bottom Chord Restraint:	600mm
Nominal Stud Spacing:	600mm
Wind Classification:	$V_{sit,1000} = 50\text{m/s}$ (specified by client and relied on us for design)

This assessment is limited to the documentation supplied for the specific site address and compliance with the requirements of the published codes of practice listed and should not be used for any other purpose. Summermore Pty Ltd accepts no responsibility for information that has not been expressly identified as part of this assessment. This assessment can only be relied upon by the addressee and cannot be relied upon by any third party. Summermore Pty Ltd accepts no responsibility for any third party that seeks to rely upon this assessment.

If we can be of any further assistance in this matter, please do not hesitate to contact this office.

Yours Faithfully

Ronald Bell

Grad Cert (Tech Mgt), BEng-Civil (Hons), PEng, MIEAust (891940), RPEQ (6715), RBP(Vic)(EC27967), RBP(NT)(60596ES), RBP(Tas)(CC5556C), MAIB (9225), JP(Qual).

Director

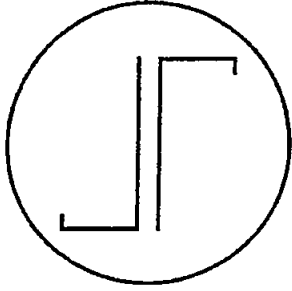
Summermore Pty Ltd



REGISTERED
Building Practitioner



The Institution of Engineers, Australia



SUMMERMORE Pty Ltd ABN 42 108 898 433
PO Box 1671
Browns Plains BC
Queensland, 4118
Tel: 07 3800 0973 Fax: 07 3800 1860 Mob: 0438288116
E: ron@summermore.com.au
W: www.summermore.com.au

Wednesday, 29 February 2012

Matt Young
Newcastle Steel Frames & Trusses
Unit 1 / 12 Karoonda Close,
Rathmines NSW 2283

Dear Mr Young

**STRUCTURAL DESIGN CERTIFICATION (12-4732)
6-14 MACPHERSON STREET, WARRIEWOOD GROVE - (P3).**

We, Summermore Pty Ltd, being Registered Structural and Civil Engineers, hereby confirm that we are in receipt of the following documents. Detailing Drawings 00577-P3_INPUTS, 00577-P3_T RB, 00577-P3_W -A and from Newcastle Steel Frames & Trusses.

We further certify the design of the cold formed steel roof trusses and wall frames for the abovementioned project as detailed in the referenced documents have been designed in accordance with widely accepted engineering principles and the referenced codes of practice.

AS/NZS 1170.0:2002	Structural Design Actions Part 0—General Principles
AS/NZS 1170.1:2002	Structural Design Actions Part 1—Permanent, Imposed & Other Actions
AS/NZS 1170.2:2002	Structural Design Actions Part 2—Wind Loads
AS3566.1:2002	Self Drilling Screws
AS 3623:1993	Domestic Metal Framing
AS4100:1990	Steel Structures Code
AS/NZS 4600:2005	Cold Formed Steel Structures

The design parameters for the abovementioned project are:

Roofing:	Steel Sheet on steel roof battens
Ceiling:	Plasterboard
Nominal Truss Spacing:	1200mm
Nominal Bottom Chord Restraint:	600mm
Wind Classification:	$V_{w,1000} = 50\text{m/s}$ (specified by client and relied on us for design)

This assessment is limited to the documentation supplied for the specific site address and compliance with the requirements of the published codes of practice listed and should not be used for any other purpose. Summermore Pty Ltd accepts no responsibility for information that has not been expressly identified as part of this assessment. This assessment can only be relied upon by the addressee and cannot be relied upon by any third party. Summermore Pty Ltd accepts no responsibility for any third party that seeks to rely upon this assessment.

If we can be of any further assistance in this matter, please do not hesitate to contact this office.

Yours Faithfully

Ronald Bell
Grad Cert (Tech Mgt), BEng Civil (Hons), FEng, MIEAust (S91940), RPEQ (6715), RBP(Vic)XEC27967, RBP(NT)(60596ES), RBP(Tas)XCC5556C, MAIB (9225), JP(Qual).
Director
Summermore Pty Ltd



Member

The Institution of Engineers, Australia



REGISTERED
Building Practitioner





Our ref 10s199
T 02 9439 2633
E John.williams@mottmac.com.au

Hansen Yuncken
Level 6
15 Bourke Road
Mascot NSW 2020

19th June, 2012

Attention: Darren Skinner

Dear Sir,

Warriewood Brook Retirement Village – Stage 3

This is to certify that:

The structural engineering components of this project as shown on our drawings indicated in the table below were designed by a practising structural engineer in accordance with the relevant Australian Standards, Building Code of Australia and accepted engineering practice and principles.

COVER SHEET AND GENERAL NOTES	S01
NOTES SHEET 2	S02
NOTES SHEET 3	S03
COLUMN DETAILS	S04
TYPICAL LIFT SHAFT DETAILS	S05
FOOTING PLAN SHEET 1 OF 3	S100
FOOTING PLAN SHEET 2 OF 3	S101
FOOTING PLAN SHEET 3 OF 3	S102
FOOTING DETAILS SHEET 1	S110
GROUND FLOOR SLAB PLAN SHEET 1 OF 3	S200
GROUND FLOOR SLAB PLAN SHEET 2 OF 3	S201
GROUND FLOOR SLAB PLAN SHEET 3 OF 3	S202
GROUND FLOOR SLAB BTM REINFORCEMENT SHEET 1 OF 3	S203
GROUND FLOOR SLAB BTM REINFORCEMENT SHEET 2 OF 3	S204
GROUND FLOOR SLAB BTM REINFORCEMENT SHEET 3 OF 3	S205





GROUND FLOOR SLAB TOP REINFORCEMENT SHEET 1 OF 3	S206
GROUND FLOOR SLAB TOP REINFORCEMENT SHEET 2 OF 3	S207
GROUND FLOOR SLAB TOP REINFORCEMENT SHEET 3 OF 3	S208
GROUND FLOOR DETAILS SHEET 1	S210
GROUND FLOOR DETAILS SHEET 2	S211
GROUND FLOOR DETAILS SHEET 3	S212
SWIMMING POOL DETAILS SHEET 1	S215
FIRST FLOOR PLAN SHEET 1 OF 3	S300
FIRST FLOOR PLAN SHEET 2 OF 3	S301
FIRST FLOOR PLAN SHEET 3 OF 3	S302
FIRST FLOOR SLAB DETAILS SHEET 1	S310

A practising structural engineer from this office carried out inspections during construction of the works. At the time of the inspections the works inspected were considered to be in accordance with the structural drawings, or when minor corrections were required the engineer left written instructions for rectification with the builder.

In carrying out the design and inspections we exercised the degree of skill, care and diligence normally exercised by Consulting Engineers in similar circumstances.

This certificate does not relieve other parties of their responsibilities for the works.

Yours sincerely

A handwritten signature in black ink, appearing to read "John Williams", written over a horizontal line.

JOHN WILLIAMS
Mott MacDonald
Hughes Trueman



19th June 2012

Hansen Yuncken
Airport Centre
Level 6, 15 Bourke Road
Mascot NSW 2020

**CERTIFICATION OF COMPLIANCE
FOR
AIR CONDITIONING AND MECHANICAL VENTILATION
WARRIWOOD BROOK - STAGE 3.**

Austral Air Conditioning Services Pty Ltd hereby certifies that the complete design & construction of the mechanical services of the above premises within our contract is in accordance with all Authorities, BCA2010 and standard thus deemed to comply with local and Australian standard AS1668.1-1998 & AS1668.2 1991.

Relating to Project Documents;

MS-01AB, MS-02AB, MS-03AB, MS-04AB, MS-05AB, MS-06AB, MS-07AB,
MS-08AB, MS-09AB, MS-10AB, MS-13AB.

KNOX Advanced Engineering Mechanical Specification KAE Reference 10.136.

Dated – October 2010 Revision 2.

(Note – Central Thermal Plant deleted from works.)

Yours Sincerely,

A handwritten signature in black ink, appearing to be 'Tim Randell', is written over a horizontal line.

Tim Randell.
Austral Air Conditioning Services P/L



19th June 2012

Hansen Yuncken
Airport Centre
Level 6, 15 Bourke Road
Mascot NSW 2020

**CERTIFICATION OF COMPLIANCE
FOR
AIR CONDITIONING AND MECHANICAL VENTILATION
WARRIEWOOD BROOK - STAGE 3.**

Austral Air Conditioning Services Pty Ltd hereby certifies that the complete design & construction of the mechanical services of the above premises within our contract is in accordance with all Authorities, BCA2010 and standard thus deemed to comply with local and Australian standards AS1668.1-1998 & AS1668.2 1991.

Relating to Project Documents;

MS-01AB, MS-02AB, MS-03AB, MS-04AB, MS-05AB, MS-06AB, MS-07AB,
MS-08AB, MS-09AB, MS-10AB, MS-13AB.

KNOX Advanced Engineering Mechanical Specification KAE Reference 10.136.

Dated – October 2010 Revision 2.

(Note – Central Thermal Plant deleted from works.)

BASIX Certificate No – 334372M

Yours Sincerely,

A handwritten signature in black ink, appearing to read 'Tim Randell', is written over a horizontal line.

Tim Randell.
Austral Air Conditioning Services P/L

VENTILATION (GENERAL) - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Ventilation (general)	BCA2010 Clause NSW F4.5(b) and AS 1668.2 - 1991

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: MIEA

- h) The information contained in this statement is true and accurate to the best of my knowledge.

Name: NING ZHANG

Company: Austral Air Conditioning Service P/L

Address: 3/54-56 Darley St, Mona Vale, NSW 2103

Phone No. 02 - 9999 6644 Fax No. 02 - 9999 6633



 Signature

19/06/2012

 Date

31

Tremco Pty Limited ABN 25 000 024 064
Unit 1 2 Park Road Rydalmere NSW 2116
Ph: 02 9638 2755 Fax: 02 9638 2955 Mob: 0412 204 689

TREMCO

Hansen Yuncken Pty Ltd
Level 6, 15 Bourke Road,
Mascot NSW 2020

September 26, 2011

Attn: Mike Stewart
Site Engineer
mstewart@hansenyuncken.com.au

Re: Waterproofing – Stormwater Re-use Tank

Project: Warriewood

Mike,

As per our recent discussions and site inspection on Friday 23rd September 2011 of the Stormwater Re-use Tank at the current project at Warriewood, I write to confirm that upon visual observation, the application of the membrane TREMproof RT has been installed as per specification.

I trust this meets your immediate requirements, and if I may if further assistance, please feel free to contact me directly on the below mentioned.

Kind regards,



Michael Farrant
NSW Sales Manager
Commercial Waterproofing & Sealants

TREMCO

Unit 1, 2 Park Rd
RYDALMERE NSW 2116
Phone: (02) 9638 2755
Mobile: 0412 204 689
Fax: 02 9638 2955
Email: michael.farrant@tremco.com.au
Website: www.tremco.com.au
For and on behalf of Tremco Pty Ltd

An **RPM** Company

WATERPROOFING OF WET AREAS - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Waterproofing of wet areas	BCA2010 Clause F1.7 and AS 3740 - 2004 and installed in accordance with the manufacturer's recommendations

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: 20 YEARS EXPERIENCE

WATERPROOFING TECHNICIAN LICENCE
N.S.W. FAIR TRADING NO. 210751C EXPIRES

- c) The information contained in this statement is true and accurate to the best of my knowledge. 23/08/12

Name: MORRIE ALLEGRINI

Company: TOP GUN JOINT SEALING.

Address: 22/8 ELLIS ST CHATSWOOD 2067

Phone No. 9419-3111 Fax No. 9419 3111

M. Allegrini
Signature

2/05/2012
Date

WATERPROOFING WORKS: SUMMARY OF COMPLIANCE METHODS

Wall/floor types waterproofed	SHOWER WALLS } FLOORS BATHROOM) ENSUITE LAUNDRY	
Product type and brand - floor	TREMCO	TREMPROOF 90
Product type and brand - walls	TREMCO	TREMPROOF 90
Product used as bond breaker	POLYURETHANE SAUSAGES	
Enclosed or open (frameless) showers?	ENCLOSED	
Waterstop angle locations?	SHOWER RECESS / DOOR ENTRY	

BALCONY FLOORS, TREMCO NON EXPOSED MEMBRANE
Schedule of Areas waterproofed.

Unit or level #	Main	Ensuite	Laundry	Balcony
66	✓	✓	✓	
67	✓	✓	✓	
68	✓	✓	✓	
69	✓	✓	✓	
70	✓	✓	✓	✓
71	✓	✓	✓	✓
72	✓	✓	✓	✓
73	✓	✓	✓	✓
74	✓	✓	✓	✓
75	✓	✓	✓	✓
76	✓	✓	✓	✓
77	✓	✓	✓	✓
78	✓	✓	✓	✓

Other areas waterproofed (roofs, planter boxes, landscaped areas, etc.)

Location	Description

ATTACH MANUFACTURERS DATA SHEET FOR ALL PRODUCTS USED

WATERPROOFING WORKS: SUMMARY OF COMPLIANCE METHODS

Wall/floor types waterproofed	BATHROOM 2 SHOWER WALLS ENSUITE LAUNDRY 3 FLOORS	
Product type and brand - floor	TREMCO	TREM PROOF 90
Product type and brand - walls	TREMCO	TREM PROOF 90
Product used as bond breaker	POLYURETHANE SAUSAGES	
Enclosed or open (frameless) showers?	ENCLOSED	
Waterstop angle locations?	SHOWER RECESS / DOOR ENTRY	

BALCONY FLOORS, TREMCO NON EXPOSED MEMBRANE
Schedule of Areas waterproofed.

Unit or level #	Main	Ensuite	Laundry	Balcony
79	✓	✓	✓	✓
80	✓	✓	✓	✓
81	✓	✓	✓	✓
82	✓	✓	✓	✓
83	✓	✓	✓	✓
84	✓	✓	✓	✓
85	✓	✓	✓	✓
86	✓	✓	✓	✓
87	✓	✓	✓	✓
88	✓	✓	✓	✓
89	✓	✓	✓	✓

Other areas waterproofed (roofs, planter boxes, landscaped areas, etc.)

Location	Description

ATTACH MANUFACTURERS DATA SHEET FOR ALL PRODUCTS USED

Project DA Checklist

DA #	Issue	Deliverables prior to CC	Deliverables prior to commencement of works	Deliverables during construction	Deliverables prior OC	Independent approval required if so who?
34	Fixtures, fittings and equipment	Letter of confirmation and plans showing kitchen fitout to be submitted to SWP			To be inspected on site	
35	Ceiling shall not be perforated	Letter of confirmation and plans showing kitchen fitout to be submitted to SWP			To be inspected on site	
36	Hand Washbasins to be provided	Letter of confirmation and plans showing kitchen fitout to be submitted to SWP			To be inspected on site	
37	Hand Washbasins compliance	Letter of confirmation and plans showing kitchen fitout to be submitted to SWP			To be inspected on site	
38	Premises provided with cleaning equipment	Letter of confirmation and plans showing kitchen fitout to be submitted to SWP			To be inspected on site	
39	Dishwashers and glass washers to comply	Letter of confirmation and plans showing kitchen fitout to be submitted to SWP			To be inspected on site	
40	Grease Arrestors	Plans showing kitchen fitout to be submitted to SWP			To be inspected on site	
41	Services pipes, conduits and electrical wiring	Letter of confirmation and plans showing kitchen fitout to be submitted to SWP			To be inspected on site	
42	Protection of contamination in food preparation areas	Letter of confirmation and plans showing kitchen fitout to be submitted to SWP			To be inspected on site	
43	Shelving, cupboards, doors to be impervious and easy to clean	Letter of confirmation and plans showing kitchen fitout to be submitted to SWP			To be inspected on site	
44	Kitchen Exhaust	Letter of confirmation and plans showing kitchen fitout to be submitted to SWP			To be inspected on site	
a)	Cooking apparatus	Letter of confirmation and plans showing kitchen fitout to be submitted to SWP				
b)	Total maximum power input	Letter of confirmation and plans showing kitchen fitout to be submitted to SWP				
45	Provisions for storage of garbage and recycling containers in external area of the premises	Letter of confirmation to be submitted to SWP. To be shown on plans			To be inspected on site	
46	External Garbage areas must be provided with a hose tap connected to the water supply and made impervious	Letter of confirmation to be submitted to SWP			To be inspected on site	
47	Roomed garbage areas must have impervious floors	Letter of confirmation to be submitted to SWP			To be inspected on site	
48	No Odour Nuisance to public area shall be created	Letter of confirmation to be submitted to SWP				
49	Noise Nuisance shall not be caused through the operation of plant equipment	Letter of confirmation to be submitted to SWP				
50	Sanitary facilities are to comply with the BCA	Sanitary facilities to be shown on plans				
51	Medical treatment rooms to comply with "Infection Control Guidelines for Oral Health Care Settings" published by NSW Health	Plans to be submitted to SWP				
52	Pool Fencing to be designed, located and maintained in accordance with the Swimming Pool Act 1992				Inspection to be carried out by SWP	
53	Resuscitation Chart to be installed and maintained adjacent to Pool				Letter of confirmation to be submitted to SWP	
a)	Warning Sign to Contain appropriate lettering and wording				To be inspected on site	
b)	Simple flow sequence to be displayed				To be inspected on site	
54	Multi purpose room is for sole use of ARV					Inspection Completed
55	No works to be commence on adjoining sites					Inspection Completed
56	Existing dish drain in Brands Lane to be removed and replaced with gutter to Councils requirements				Inspection to be carried out by SWP	Inspection Completed

Notes	Status early works CC	Status CC	Status HOG	Check MR Commence?	Status during	Status OC	Check MR OC?
		Certificate for Compliance received from NRP Architecture dated 28.04.11				Inspection Completed	
		Certificate for Compliance received from NRP Architecture dated 28.04.11				Inspection Completed	
		Certificate for Compliance received from NRP Architecture dated 28.04.11				Inspection Completed	
		Certificate for Compliance received from NRP Architecture dated 28.04.11				Inspection Completed	
		Certificate for Compliance received from NRP Architecture dated 28.04.11				Inspection Completed	
		Certificate for Compliance received from NRP Architecture dated 28.04.11				Inspection Completed	
		Plans received from NPR Architecture dated 02.06.11				Inspection Completed	
		Hydraulics Services report received from GDK dated 20.10.11				Inspection Completed	
		Certificate for Compliance (Statement for condition B 29) received from NRP Architecture dated 28.04.11				Inspection Completed	
		Certificate for Compliance (Statement for condition B 29) received from NRP Architecture dated 28.04.11				Inspection Completed	
		Certificate for Compliance (Statement for condition B 29) received from NRP Architecture dated 28.04.11				Inspection Completed	
		Plans received from NPR Architecture dated 02.06.11					
		Plans received from NPR Architecture dated 02.06.11					
		Certificate for Compliance received from NRP Architecture dated 28.04.11				Inspection Completed	
		Certificate for Compliance received from NRP Architecture dated 28.04.11				Inspection Completed	
		Certificate for Compliance received from NRP Architecture dated 28.04.11				Inspection Completed	
Note							
Note							
		Plans received from NPR Architecture dated 02.06.11					
		Plans received from NPR Architecture dated 02.06.11					
Note							
						Inspection Completed	
						Inspection Completed	
						Inspection Completed	
						Inspection Completed	
Note							
Note							
		Plans received from NPR Architecture dated 02.06.11					
		Plans received from NPR Architecture dated 02.06.11					
						Inspection Completed	

Project DA Checklist

DA #	Issue	Deliverables prior to CC	Deliverables prior to commencement of works	Deliverables during construction	Deliverables prior OC	Independent approval required if so who?
57	BASIX Certified to be fulfilled and maintained for the life of the building	BASIX certificate to be submitted to SWP			Inspection to be carried out by SWP	
C Matters to be satisfied prior to the issue of the Construction Certificate						
1	Engineering Details showing Water Reuse Scheme	Engineering details of Water Reuse Scheme to be submitted to SWP				
2	Construction Plans and Specifications	Approved DA stamped plans to be submitted to SWP				
3	Quick Check Plans	Stamped Sydney Water Quick Check plans to be submitted to SWP				Sydney Water
4	Details of Kitchen, Cafe & Kiosk	Approved details and plans to be submitted to SWP				
5	Driveway Access Plans and Details					
6	Updated Waste Management Report	Updated Waste Management Report to be submitted to SWP. Design Certificate to be submitted to SWP				
7	Flood Management System to meet the requirements of the Warriewood Valley Integrated Water Management Strategy and Warriewood Valley Water Management Specification. With the inclusion of a Stormwater Management System	Approved Flood Management System and Stormwater Management System to be submitted to SWP. Design certificate to be submitted to SWP			Confirmation certificate to be submitted to SWP	
8	Updated Water Management Report	Updated Water Management Report to be submitted to SWP. Design Certificate to be submitted to SWP.				
9	Construction Plans and Specifications	Approved DA stamped plans to be submitted to SWP				
10	Erosion and Sediment Management Plan	Erosion and Sediment Management Plan to be submitted to SWP. Design certificate to be submitted to SWP.				
11	Waste Management Plan as per Appendix 4 of the Warriewood Valley Urban Land Release Context and Criteria	Waste Management Report to be submitted to SWP. Design Certificate to be submitted to SWP.				
12	Detailed landscape plans	Detailed landscape plans to be submitted to SWP. Design certificate to be submitted to SWP				
	Landscape Report				Report prepared by Qualified Landscape to be submitted to SWP. Design certificate to be submitted to SWP.	
13	Notice of Requirements - Sydney Water Section 73 Certificate	Notice of Requirements to be submitted to SWP				Sydney Water
14	Structural Engineer Schedule of Works	Schedule of works prepared by a qualified structural engineer to be submitted to SWP. Design certificate to be submitted to SWP.				
15	Accessibility Control	Certificate prepared by the Accredited Access Adviser to be submitted to SWP.				
16	Plans & details in accordance with the BASIX Certificate	Plans and details fulfilling the BASIX certificate requirements to be submitted to SWP.				
17	Design Details in accordance with the Access Report	Design Details & technical specifications in accordance with the Access Report to be submitted to SWP				
D Matters to be satisfied prior to the commencement of works and maintained during the works						
1	No works to be undertaken without the written approval of Council.					
2	Road opening permit	Approved Road opening permit to be submitted to SWP.				
3	Temporary sedimentation and erosion controls to be constructed prior to works commencing					
4	Removal of clay from vehicles					
5	Waste materials to be minimised					
6	Excavation to construction waste to be retained onsite					
7	Recycling and Waste Management to be in accordance with Waste Management Plan				Compliance certificate to be submitted to SWP	
8	Site to be fully secured by a fence to all perimeters					
12	Site Management Sign to be erected and maintained					
13	Construction Traffic Management Plan (CTMP)	CTMP to be submitted to SWP.				

Notes	Status early works CC	Status CC	Status NOC	Check MIR Commence?	Status during	Status OC	Check MIR OC?
		BASIX plans received from ABSA dated 08.10.10				Inspection Completed	
		Page 37-38 of Hydraulic Services Specifications from GDK dated 20.10.10					
		Plans received from NPR Architecture dated 02.06.11					
		Stamped Sydney Water Quick Check plan dated 12.04.11					
		Statement for condition B29 addresses this					
Not Applicable							
		Waste Management Plan received from Hansen Yuncken dated on the 27.04.11					
		Report to Water Management Report Version 4 from GHD dated June 2011				Stage 3 Water Management Certificate prepared by GHD submitted to SWP	
		Report to Water Management Report Version 4 from GHD dated June 2011					
		Plans received from NPR Architecture dated 02.06.11					
		Sediment and Erosion Control Plan received from GHD dated 08.10.10					
		Waste Management Plan received from Hansen Yuncken dated on the 27.04.11					
		Landscape plans received from Taylor Brammer dated 19.10.10					
						Certificate of Design Compliance prepared by Taylor Brammer submitted to SWP	
		Notice of Requirements received from Sydney Water dated 10.05.11					
		Structural Certificate received from Mott MacDonald Hughes Trueman dated 28.04.11					
		Access Design Certificate received from Midson Group Pty Ltd dated 27.04.11					
		Plans received from NPR Architecture dated 02.06.11					
		Plans received from NPR Architecture dated 02.06.11					
Note							
Note							
Note							
Note							
Note							
						Civil Design and Inspection Certificate prepared by Mott MacDonald submitted to SWP	
Note							
Note							
		Traffic Management Plan received from McLaren Traffic Engineering dated on the 12.05.11					

DA #	Issue	Deliverables prior to CC	Deliverables prior to commencement of works	Deliverables during construction	Deliverables prior OC	Independent approval required if so who?
14	Approved plans to be kept on site at all times					
15	Toilet facilities to be provided					
16	Owner must be given 7 days notice of excavations done to their properties					
17	3 photographs of the road, reserve and footpath		3 photographs of the road, reserve and footpath area adjoining the site, on front-on and one from each side of the property to be submitted to SWP.			
18	Weather vehicle access must be maintained to Foley Nursery and Brands Lane					
E	Matters to be satisfied prior to the issue of the Occupation Certificate					
	Where damage has occurred to Council asset (road, kerb, gutter and drainage facilities) as a result from construction works, it must be repaired to Council's written Satisfaction					
1	Section 73 Compliance Certificate				Section 73 Compliance Certificate to be submitted to SWP.	Sydney Water
2	Appropriate infrastructure is to be provided to service the development (roads, access ways, etc.)					
4	Access to driveways in the public road reserve to be constructed in accordance with the approved plans				Qualified Engineer or Architect confirmation to be submitted to SWP	
5	Damaged public infrastructure to be repaired				Council's written approval that restoration has been satisfied to be submitted to SWP.	
6	All parking areas and driveways to be sealed and maintained				To be inspected by SWP	
7	Easements				Approved full details of easements to be submitted to SWP	
8	Documents and payment receipts					
(i)	Section 73 Compliance certificate and payment				Section 73 Compliance certificate and receipt to be submitted to SWP	
(ii)	Compliance Certificate				Compliance Certificate to be prepared by SWP	
(iii)	Work-as-executed plans for all structures and facilities to be in paper and electronic format					
(iv)	Security deposit of 5% to be made to council ensuring rectifications of any defects during the maintenance period				Security Deposit receipt from council to be submitted to SWP	
9	Civil Engineer Certificate confirming works are in accordance with the approved engineering plans				Certificate of compliance to be submitted to SWP	
10	Engineer/Architect Certificate confirming driveways have been constructed in accordance with the approved plans				Certificate of compliance to be submitted to SWP	
11	Qualified Professional Certificate conforming that the waste management system has been built in accordance with the waste management report				Certificate of compliance to be submitted to SWP	
12	Waste Management System works are to be completed prior to the issue of the Occupation Certificate					
13	Updated Waste Management Report				Updated Waste Management Report to be submitted to SWP	
14	Notification to be made to Council under section 149(2) for either food category 1 or 2				Section 149(2) certificate to be submitted to SWP	
15	Occupation Certificate				Occupation Certificate to be prepared by SWP	
16	Street numbers to be fixed to the building				To be inspected by SWP	
17	Food premises occupation certificate				Completed food premises form to be submitted to SWP	
18	Council's Environmental Health Officer inspection				Evidence of council inspection to be submitted to SWP	
19	Council to send written advice of any issues associated with the inspection				Confirmation letter from council to be submitted to SWP	
20	Sydney Water trade waste agreement				Sydney Water trade waste agreement to be submitted to SWP	
21	Mechanical and ventilation systems				Mechanical Engineer compliance certificate to be submitted to SWP	
22	Food Authority to be notified				Evidence showing the food authority has been notified to be submitted to SWP	
23	Compliance with BASIX Certificate				Certificate to confirm compliance with BASIX to be submitted to SWP	
24	Section 94 Contribution				Evidence of Section 94 Contribution to be submitted to SWP	

Notes	Status early works CC	Status CC	Status NOC	Check MIR Commence?	Status during	Status OC	Check MIR OC?
Note							
Note							
Note							
			Carried out				
Note							
Note							
						Section 73 Compliance Certificate received, dated 17.05.11	
Note							
						Email correspondence prepared by Hansen Yuncken submitted to SWP	
						Email correspondence prepared by Pittwater Council submitted to SWP	
						Inspection Completed	
						Email correspondence prepared by Hansen Yuncken submitted to SWP	
						Section 73 Compliance Certificate received, dated 17.05.11	
						Civil Design and Inspection Certificate prepared by Mott MacDonald submitted to SWP	
Note							
						Email correspondence prepared by Hansen Yuncken submitted to SWP	
						Civil Design and Inspection Certificate prepared by Mott MacDonald submitted to SWP	
						Civil Design and Inspection Certificate prepared by Mott MacDonald submitted to SWP	
						Civil Design and Inspection Certificate prepared by Mott MacDonald submitted to SWP	
Note							
						Email correspondence prepared by Hansen Yuncken submitted to SWP	
						Flood category notation certificate submitted to SWP	
						Prepared by SWP	
						Inspection Completed	
						Food Premises Fit-Out Form submitted to SWP	
						Email correspondence prepared by Pittwater Council submitted to SWP	
						Email correspondence prepared by Pittwater Council submitted to SWP	
						Outstanding - NOTE FINAL OC HAS NOT BEEN ISSUED (IOC excludes Kitchen Area)	
						Installation Certificate submitted to SWP	
						NSW Food Authority Notification Confirmation submitted to SWP	
						Submitted to SWP	
						Section 94 Receipt submitted to SWP	

Satisfaction of DA Conditions

Prior to CC

Prior to OC

Checked by _____ sign and dated _____
 Verified by _____ sign and dated _____

Con B 12



AJAX PLUMBING

BBM Wright Plumbing Contractors Pty Ltd
Trading as Ajax Plumbing ABN 61 003 133 891
Unit 6 / 8 Campbell Street
Artarmon NSW 2064
Phone: 9493 7300
Fax: 9906 2806

18 June 2012

Hansen Yuncken Pty Ltd
Level 6, 15 Bourke Rd
Mascot NSW 2020

Dear Sir,

Attn: Darren Skinner

Re: Basix Compliant Certificate.
Warriewood Valley Retirement Village
6-14 Macpherson Street Warriewood NSW 2102
Stage 3 – Whole building.

This certificate certifies that the hydraulic services have been installed in accordance with AS3500, the Building code of Australia, in accordance with Jemena Gas AS 5601 and complying with the Basix Report 3343372M. The Basix report notes Central HW system for residential, which we comply and an electric heat pump-gas boosted system for the common areas, a 5000L rainwater tank – we have installed a 30 000L water tank which collects 323.5m2 of roof area as per the report.

Wels ratings on the following tapware:-

	Basix Wels Rating	Installed Wels Rating
Shower Heads	3 Star	3 Star
Kitchen Taps	6 Star	5 Star
Basin Taps	6 Star	5 Star
Disable Basin Taps	Not noted	5 Star
L-Tub Taps	Not noted	5 Star
Toilets	4 Star	4 Star
Disable toilets	Not noted	3 Star
Cube Urinals	Not noted	6 Star

Note:- All tapware is brodware, except for the basin disable and requested by the client.

Yours Faithfully

Stuart Betts
Supervisor

CON C7,8
E13



03 July 2012

Martin Moore
Morgan Moore and Associates
Level 5, 140 Arthur Street
NORTH SYDNEY NSW 2060

Our ref: 22/16052/15236
Your ref:

Dear Martin

ARV Warriewood Stage 3 Water Management

We refer to the DA Conditions C7 and C8 as part of the approvals for Stage 3 at the Anglican Retirement Villages, Warriewood Retirement Village, and comment as follows:

1 Condition C7

The items listed in this conditions have been nominated in our Anglican Retirement Villages, Report for Warriewood Retirement Village Update Report to Water Management Report (Version 4, December 2006), June 2011 as follows:

- Flood conveyance at the site for events up to and including the PMF, taking account of future climate scenarios and sea level rise are documented in Section 4 of the abovementioned report;
- Assessment of floor level for Stage 3 are documented in Section 4.3 of the abovementioned report;
- In regards to the entrance gate, GHD understand that no entrance gate exists or is envisaged at this stage; and
- Matters pertaining to the internal stormwater system for Stage 3 would need to be referred to the developer of this portion of the site. We understand that the Stage 3 portion of the site drains to the stormwater management system.

2 Condition C8

Anglican Retirement Villages, Report for Warriewood Retirement Village Update Report to Water Management Report (Version 4, December 2006), June 2011 has been prepared in accordance with the Warriewood Valley Urban Land Release, Water Management Specification (WMS), adopted by Pittwater Council in February 2001.

3 Water Management Report Updates

We refer to Section 1.1 of our Anglican Retirement Villages, Report for Warriewood Retirement Village Update Report to Water Management Report (Version 4, December 2006), June 2011, which summarises the requirements with regards to Water Management Report Updates. It is our understanding that these requirements are for situations where the site is developed in its entirety and are not necessarily appropriate where the sites are being developed in a piecemeal manner over a



longer duration. The June 2011 Water Management Report was provided after a significant portion of the site had been developed.

Notwithstanding a key requirement for the site is the ongoing water quality monitoring, and we confirm that a water quality monitoring plan is in place and monitoring of water quality is ongoing.

Yours faithfully
GHD Pty Ltd

A handwritten signature in black ink, appearing to read 'Rainer Berg', is written over a horizontal line.

Rainer Berg
Office Manager, Coffs Harbour
(02) 6650 5600

Con C (ii)
E8(ii), E9, E10



Our ref 10s199
T 02 9439 2633
E John.williams@mottmac.com.au

Hansen Yuncken
Level 6
15 Bourke Road
Mascot NSW 2020

25th July, 2012

Attention: Darren Skinner

Dear Sir,

**Re: Civil Design and Inspection Certificate
Warriewood Brook Retirement Village Stage 3**

This is to certify that:

Either
The Civil engineering components of this project as shown on our drawings numbers 10s199 C01, 10s199 C02, 10s199 C03, 10s199 C04, 10s199 C05, 10s199 C06, 10s199 C07 were designed by a practising Civil engineer in accordance with the relevant Australian Standards, Building Code of Australia and accepted engineering practice and principles.

We confirm that the design identified on the drawings listed above conforms with the following conditions identified in the Development Consent:

- 1. C7(ii)
- 2. E8(ii)
- 3. E9
- 4. E10
- 5. E11

A practising civil engineer from this office carried out inspections during construction of the works. At the time of the inspections the works inspected were considered to be in accordance with the civil drawings, or when minor corrections were required the engineer left written instructions for rectification with the builder.

In carrying out the design and inspections we exercised the degree of skill, care and diligence normally exercised by Consulting Engineers in similar circumstances.

This certificate does not relieve other parties of their responsibilities for the works.

Yours sincerely

**John Williams
Mott MacDonald Australia**



C12



27th April 2011

Andrew Rys
Senior Building Regulation Consultant
for Steve Watson & Partners Pty Ltd
Level 5, 432 Kent Street, Sydney NSW 2000

Attn: Andrew Rys

To whom it may concern,

CERTIFICATE OF DESIGN COMPLIANCE – Landscape Architecture

SUBJECT PREMISES: ARV Warriewood Stage 3
6-14 MacPherson Street, Warriewood (Lots A & B DP400488, Lot 22 DP
5464, Lots 5, 6, 7 and 8 DP 1115877 and Lots A & B 358765)
CONSENT DA NUMBER: No. DA/0634/10

DEVELOPMENT APPLICATION

Pursuant to the provisions of **Clause A2.2 of the Building Code of Australia**, I hereby certify that the above design is in accordance with normal engineering practice and meets the requirements of the Building Code of Australia, any relevant fire safety engineering report, the Environmental Planning and Assessment Regulation, relevant Australian Standards and relevant conditions of the Development Consent. In particular the design will comply with the following:

- B 4. Any vegetation planted outside approved landscape zones is to be consistent with:
- a) Species listed in the Ecological Sustainability Plan or Bushland Management Plan,
 - b) Species listed from the Endangered Ecological Community, and
 - c) Locally native species growing onsite and/or selected from the list pertaining to the vegetation community growing in the locality as per the vegetation mapping and native plants for your garden link available from www.pittwater.nsw.gov.au
- B 7. Any new fencing is to be made passable to native wildlife. As a guideline, hole dimensions should be 150mm wide x 100mm long at ground level spaced at 6 metre intervals.

taylor brammer landscape architects | architects | 2011 | www.taylorbrammer.com.au

Abu Dhabi
Al Nyadi Office Building M03 Airport Road
PO Box 31059 Abu Dhabi United Arab Emirates
t: +971 2 443 7974 f: +971 2 443 7754
e: rroughman@taylorbrammer.ae

Austinmer
26 Moore Street Austinmer
PO Box 3064 Austinmer NSW 2515 Australia
t: +61 2 4267 5088 f: +61 2 4267 4826
e: southcoast@taylorbrammer.com.au

Sydney
218 Oxford Street
Woollahra NSW 2025 Australia
t: +61 2 9387 8855 f: +61 2 9387 8155
e: sydney@taylorbrammer.com.au

B 13. Only locally native canopy trees are to be planted on the site. Canopy tree species are to be from the vegetation community(s) on the site as per the Warriewood valley master plan available from Council and on Pittwater Web Site. All native trees are to be retained for the life of the development, or for their safe natural life. Trees that die or are removed must be replaced with another locally native canopy tree.

C 12. Detail landscape plans to be prepared by a qualified landscape architect showing detail of landscape works generally in accordance with Landscape plan LA01 as prepared by Taylor Brammer Landscape Architects. Landscape plans to include the following elements:

- Setback to MacPherson Street to maximise use of all areas for screening shrub/tree planting. Turf/paved areas to be minimised with intensive shrub planting 2 – 3m in height to be densely planted with trees at 10m centres along the entire frontage.
- All trees to Brands Lane, MacPherson Street and internal access Road frontages to be 400 litres in size. Native palms to be 3-5m clear trunk height. Shrub planting as per planting schedule (Taylor Brammer LA01). Mounding up to 500mm to the frontage to assist screening of the built form would be accepted.
- Report from a qualified landscape architect independently certifying that works as installed are to be in accordance with detail landscape plans is to be submitted and approved by nominated certifier to release of occupation certificate.

Plan Numbers:

- LF01 Landscape Finishes
- LP01 Landscape Planting Plan
- LD01 Landscape Details
- LD02 Landscape Details
- LD03 Landscape Details

Landscape plans are to be updated to reflect revisions to the architecture. These updated plans will maintain the integrity of the current landscape design and incorporate all conditions of consent and local authority regulations and guidelines.

I possess Indemnity Insurance to the satisfaction of the building owner or my principal.

Full Name of Designer: James Heron
Qualifications: BLarch UNSW (Hons 1), Dip Hort (UK)
Address of Designer: 218 Oxford Street
WOOLLAHRA NSW 2025
Business Telephone No: 02 9387 8855 Fax No: 02 9387 8155

Name of Employer: Matthew Taylor- Director
Signature:

DM Taylor

CONE4, E5,
E7, E8(U).

Anthony Marelic

From: Danny Kataieh [DKataieh@hansenyuncken.com.au]
Sent: Friday, 27 July 2012 12:28 PM
To: Andrew Rys; Anthony Marelic
Cc: Ayman El-Omar
Subject: RE: Outstanding Items prior to issuing OC for Warriewood
Attachments: OC Application Form.pdf; STAGE 3 CERTIFICATE OF COMPLIANCE 2011.04.27.pdf; 124089signed cert.pdf

E13,

Hi Anthony

Refer to comments noted in red below.

Can you please send though an updated list following this email, just so that there is no confusion as to what is still outstanding for OC.

Regards

Danny Kataieh
Design Manager
Hansen Yuncken Pty Ltd
L6, 15 Bourke Road, Mascot NSW 2020
T 02 9770 7690 F 02 9770 7601 M 0434 367 611



www.hansenyuncken.com.au

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From: Anthony Marelic [mailto:amarelic@swpartners.com.au]
Sent: Thursday, 26 July 2012 7:59 PM
To: Danny Kataieh
Cc: Ayman El-Omar; Andrew Rys
Subject: Outstanding Items prior to issuing OC for Warriewood

Hi Danny,

The following items remain outstanding prior to issuing the OC;

Installation Certificates

- Access and Egress Installation Certificate – expected today from access consultant
- Disabled Access and Egress Installation Certificate – expected today from access consultant
- Fire Resisting Construction (Reinforced Concrete) Installation Certificate – expected today for structural engineer
- Smoke Proof Walls Installation Certificate – issued to SWP this morning by Ayman
- Attached OC Application Form to be filled out and submitted to SWP – signed and attached

DA Conditions

- **DA Condition C12: Landscape Report** - Report prepared by Qualified Landscape to be submitted to SWP. Design certificate to be submitted to SWP. – Landscape design certificate by Taylor Brammer attached, I will send across the install certificate from the landscape contractor once it's received.
- **DA Condition E1: Section 73 Compliance Certificate** to be submitted to SWP. – attached
- **DA Condition E4: Access to driveways in the public road reserve** to be constructed in accordance with the approved plans - Qualified Engineer or Architect confirmation to be submitted to SWP – N/A, no new driveways are being proposed in the public road reserve.
- **DA Condition E7: Easements** - Approved full details of easements to be submitted to SWP – N/A, new service lines do not pass through neighbouring allotments, previously agreed with Andrew 20.06.12.
- **DA Condition E8(iv): Security deposit of 5%** to be made to council ensuring rectifications of any defects during the maintained period - Security Deposit receipt from council to be submitted to SWP – N/A, no new works are being dedicated to Council or require ongoing maintenance by Council.
- **DA Condition E13: Updated Waste Management Report** to be submitted to SWP – the updated water management report was prepared by GHD for the CC and should have been issued to Council as part of your complete CC package. Also, GHD's letter dated 3rd July 12 should also close out this condition.
- **DA Condition E14: Notification** to be made to Council under section 149(2) for either flood category 1 or 2 - Section 149(2) certificate to be submitted to SWP – email confirming notification to council was sent to Andrew on 18th July 12, this should now be closed out.
- **DA Condition E20: Sydney Water trade waste agreement** - Sydney Water trade waste agreement to be submitted to SWP – being issued by ARV
- **DA Condition E22: Food Authority** to be notified - Evidence showing the food authority has been notified to be submitted to SWP – being issued by ARV
- **DA Condition E23: Certificate to confirm compliance with BASIX** to be submitted to SWP – already issued to SWP by Ayman.

Should you have any queries or require further information please do not hesitate to contact me.

Regards,

Anthony Marelic
 Assistant Building Regulations Consultant
 Steve Watson and Partners Pty Ltd
 Level 5, 432 Kent Street
 Sydney NSW 2000
 Phone: (02) 9283 6555
 Fax: (02) 9283 8500
www.swpartners.com.au



EI

Sydney
WATER

Case No. 124089

SUBDIVIDER/DEVELOPER COMPLIANCE CERTIFICATE

(A certificate under Division 9 Section 73 of the Sydney Water Act, 1994)

DESCRIPTION OF SUBDIVISION/DEVELOPMENT			
Council	Pittwater Council		
Street	6-14 Macpherson Street Warriewood		
Lot No(s)	A & B	DP	400488
Lot No(s)	A & B	DP	358765
Lot No(s)	22 Sec c	DP	5464
Development: The Construction of a SEPP Housing for Seniors development including 25 self contained dwellings, associated ground level car parking, ancillary facilities including recreational swimming pool, gym, medical consulting rooms, lounges, multi-purpose room and cafe			
NAME OF APPLICANT		Anglican Retirement Villages	
APPLICANT'S ADDRESS		C/o Rose Atkins Rimmer Pty Ltd PO Box 6745, Blacktown NSW 2148	

Sydney Water Corporation certifies that the above named applicant has complied with the requirements, relating to the plan of Subdivision/Development described above, of Division 9 of the Sydney Water Act, 1994.

THE FOLLOWING ITEMS 2 AND 5 APPLY TO THE DEVELOPMENT:

1. ~~Water facilities are to be provided as a result of the subdivider/developer's compliance with Sydney Water's requirements.~~
2. **Water facilities are available.**
3. ~~Water facilities cannot be provided within a reasonable time from the date of this certificate.~~
4. ~~Sewerage facilities are to be provided as a result of the subdivider/developer's compliance with Sydney Water's requirements.~~
5. **Sewerage facilities are available.**
6. ~~Sewerage facilities are under the control of the local council.~~
7. ~~Sewerage facilities cannot be provided within a reasonable time from the date of this certificate.~~
8. ~~Sydney Water's requirements for future subdivision of this dual occupancy development have NOT been met. On subdivision an additional certificate will be required.~~

THE FOLLOWING ITEMS AND APPLY TO LOT/S IN THE DEVELOPMENT:

9. ~~Water facilities have NOT been provided. They will only be provided after compliance with Sydney Water's requirements placed on a future applicant for subdivision/development or connection.~~
10. ~~Sewerage facilities have NOT been provided. They will only be provided after compliance with Sydney Water's requirements placed on a future applicant for subdivision/development or connection.~~
11. ~~Sewerage facilities are under the control of the local council.~~

Applicant Reference No. **98/22344**

Council Reference No. **634/10**

Name **Paul Muller**

Signature

(Approving Officer for and on behalf of Sydney Water)

Name **Jack Diplock**

Signature

(Approving Officer for and on behalf of Sydney Water)

Urban Growth Business **Head Office**

Dated: **17 May 2011**

THIS CERTIFICATE IS ONLY VALID WHEN SIGNED BY TWO AUTHORISED SYDNEY WATER OFFICERS
A signed copy is held by Sydney Water

The original of this certificate must be presented to the appropriate consent authority, usually Council, with which the plan of subdivision/development was lodged so that you can satisfy the relevant condition of consent.

Cont^E 48,19
ES

Anthony Marelic

From: Tom_Prsa@pittwater.nsw.gov.au
Sent: Wednesday, 18 July 2012 1:44 PM
To: Andrew Rys
Cc: ael-omar@hansenyuncken.com.au
Subject: Final Inspection for N0634/10

Dear Sir

I have carried out an inspection on 18 July 2012 and I have no objection to an occupation certificate being issued.

Regards

Tom Prsa
Environmental Health Officer
Pittwater Council
9970 1225

mailgate.pittwater.nsw.gov.au made the following annotations

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CIVIL FOUNDATIONS PTY LTD

Date: 13 September 2011
Job Number: 1126

Hansen Yuncken Pty Ltd
Level 6, 15 Bourke Road
Mascot NSW 2020

For the Attention of: Mr Alan Jacobs

Dear Sir,

RE: WARRIEWOOD BROOK, 8 MACPHERSON STREET, WARRIEWOOD

PILING - DESIGN STATEMENT
Certificate Ref. 1126-DS02

We, Civil Foundations Pty Limited, being the Sub-Contractor appointed by Hansen Yuncken Pty Limited, hereby certify that this office is responsible for the piling design for the above noted project shown on in the document(s) listed below:

- Design Report: Controlled Modulus Columns (CMC) Foundation Piles dated August 2011 (Rev.0).

We certify that the piling design is in accordance with relevant provisions of the Australia Standards listed below:

- AS 1170 Part 0 General Principles
- AS 2159 Piling – Design and Installation
- AS 3600 Concrete Structures

We confirm that the piling design is in accordance with ground investigation information given in the Jeffery & Katauskas Factual EFCP Investigation Report dated 28 July 2011 (ref. 25045LLet).

Civil Foundations Pty Limited possesses Indemnity Insurance to the satisfaction of the Client.

Yours faithfully,

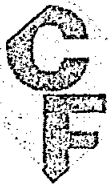
For and on behalf of,
Civil Foundations Pty Limited

Paul Wong
BE ME M.ASCE MIE Aust

02 9316 4012 02 9316 4062

26 Cranbrook Street Botany NSW 2019

www.civilfoundations.com.au 56 118 310 151 118 310 151



CIVIL FOUNDATIONS PTY LTD

Date: 13 September 2011
Job Number: 1126

Hansen Yuncken Pty Limited
Level 6, 15 Bourke Road
Mascot NSW 2020

For the Attention of: Mr Alan Jacobs

Dear Sir,

RE: **WARRIEWOOD BROOK, 8 MACPHERSON STREET, WARRIEWOOD**

PILING – PRACTICAL COMPLETION STATEMENT
Certificate Ref. 1126-PCS01

It is hereby certified that the abovementioned Works as per Formal Instrument of Agreement between Civil Foundations Pty Limited and Hansen Yuncken Pty Limited have reached practical completion on 1st September 2011.

Periodic site inspections and review of piling records confirm that the installation of and foundation piles has been completed in accordance with the procedures designated in AS2159-2009.

We shall submit the concrete test results to confirm the concrete has achieved the required strength in accordance with the design once it is available to us.

For and on behalf of,
Civil Foundations Pty Limited

Certified by Design Engineer:



Signature


Paul Wong

Name

13 September 2011

Date

Certified by Construction Manager:



Signature

S. PHILLIPSON

Name

13/9/11

Date

Encl.:

- 1) *Pile Installation Records*
- 2) *Inspection and Test Plan Records*

HYMIX TECHNICAL SERVICE CENTRE - NSW
 ABN 35 000 582 221
 1/29 CRESCENT ST
 GRANVILLE NSW 2009
 PHONE: 02 9660 7877
 FAX: 02 9660 3169



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 26 CRANBROOK STREET
 BOTANY, NSW 2019

Report No. 61009968
 Sample Date : 01-08-11
 Page 1 of 1
 FINAL REPORT


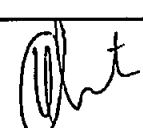
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PROJECT {MACPHERSON ST}
 MACPHERSON ST
 Cross Street: BRANDS LANE
 WARRIEWOOD, NSW 2102

This report replaces all
 previous issues of
 Report Number : 61009968

CYLINDER COMPRESSIVE STRENGTH TEST REPORT (1) AS1012.9

Batch Details						Specimen Details									
Plant Truck	F'c MAS Slump	Delivery Docket	Batch Time Sample Time	Actual Slump 2nd Slump (2)	Sample Method Comp (3,4,5,6)	Sample No.	Date Tested	Dimensions Avg Dia. (mm) Hgt (mm) (8)	Mass per Unit Vol (Kg/m ³) (7,8)	C a P (9)	Initial Curing (hrs)	Std Curing (days) (10)	Age Days or Hrs	Strength (MPa)	M a r k
3204 HCC2368	S60MPa 10.0 mm 180 mm	64277068 T3584807	10:08 11:00	200 -	7.2.1 E	35089101A 35069101B 35089101C	07/09/11 28/09/11 28/09/11	100.4 197 100.1 197 100.4 197	2440 2460 2460	G G G	25 25 25	6 27 27	7D 28D 28D	32.0 60.5 60.5	N N N
Casting Authority : Sample Remarks :						Product Description : TREM 60/10/180 Location : 113									

REPORT REMARKS	Failure Mode N = NORMAL	Condition Prior	 Accredited for compliance with ISO/IEC 17025 The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/National Standards NATA Accredited Laboratory Number : 415
* NON STD INITIAL CURING * REASON			
Note 1 All tests carried out to relevant part of AS1012 unless noted otherwise. Note 2 Slump test to AS1012.3.1. Note 3 The clause shown indicates the sample method from AS1012.1. Note 4 Compaction method to AS1012.8.1 clause 7. Note 5 Not Used Note 6 Compaction code H = Hand Rodding, I = Int. Vibration, E = Ext. Vibration, R = Ramming. Note 7 Density of hardened concrete reported to AS1012.12.1. Note 8 Specimens uncapped and saturated surface dry. Note 9 Cap Type R = Rubber, S = Sulphur, D = Double Rubber, U = Double Sulphur, N = No Capping, G = Ground Note 10 Curing to AS1012.8.1 Clause 9.1(a). Temperate Zone. Note 11 Air content [if reported] to AS1012.4.2.			 Approved Signatory Kevin Lester Run Date 7/10/11 8:54 AM Form Number HYLAB002 Version 0308

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 BOTANY, NSW 2019


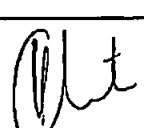
Report No. 61009964
Sample Date : 30-08-11
Page 1 of 1
FINAL REPORT

PROJECT {MACPHERSON ST}
 MACPHERSON ST
 Cross Street: BRANDS LA
 WARRIEWOOD, NSW 2102

This report replaces all
 previous issues of
 Report Number : 61009964

CYLINDER COMPRESSIVE STRENGTH TEST REPORT (1) AS1012.9

Batch Details						Specimen Details									
Plant Truck	F'c MAS Slump	Delivery Docket	Batch Time Sample Time	Actual Slump 2nd Slump (2)	Sample Method Comp (3,4,5,6)	Sample No.	Date Tested	Dimensions Avg Dia. (mm) Hght (mm) (8)	Mass per Unit Vol (Kg/m3) (7,8)	C a p (9)	Initial Curing (hrs)	Std Curing (days) (10)	Age Days or Hrs	Strength (MPa)	M a r k
3204 HCC2380	S40MPa	54271200	12:56	220	7.2.1	35103801A	08/09/11	100.4 195	2400	G	22	8	7D	16.5	N
	10.0 mm	T3584808	13:35	-	E	35103801B	27/09/11	100.3 196	2460	G	22	27	28D	39.0	N
	180 mm					35103801C	25/10/11	100.3 195	2460	G	22	55	56D		N
Casting Authority : Sample Remarks :						Product Description : TREM 40/10/180 Location : PILE #44									

REPORT REMARKS Failure Mode N = NORMAL Condition Prior -	Accredited for compliance with ISO/IEC 17025  The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/National Standards NATA Accredited Laboratory Number : 415
* NON STD INITIAL CURING * REASON Note 1 All tests carried out to relevant part of AS1012 unless noted otherwise. Note 2 Slump test to AS1012.3.1. Note 3 The clause shown indicates the sample method from AS1012.1. Note 4 Compaction method to AS1012.8.1 clause 7. Note 5 Not Used Note 6 Compaction code H = Hand Rodding, I = Int. Vibration, E = Ext. Vibration, R = Ramming. Note 7 Density of hardened concrete reported to AS1012.12.1. Note 8 Specimens uncapped and saturated surface dry. Note 9 Cap Type R = Rubber, S = Sulphur, D = Double Rubber, U = Double Sulphur, N = No Capping, G = Ground Note 10 Curing to AS1012.8.1 Clause 9.1(a). Temperate Zone. Note 11 Air content [if reported] to AS1012.4.2.	 Approved Signatory Kevin Lester Form Number HYLAB002
	Run Date 7/10/11 8:54 AM Version 0306

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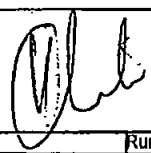
Report No. 61009956
Sample Date : 29-08-11
Page 1 of 1
FINAL REPORT

PROJECT {MACPHERSON ST}
 MACPHERSON ST
 Cross Street: BRANDS LA
 WARRIEWOOD, NSW 2102

This report replaces all
 previous issues of
 Report Number : 61009956

CYLINDER COMPRESSIVE STRENGTH TEST REPORT (1) AS1012.9

Batch Details						Specimen Details												
Plant Truck	F'c MAS Slump	Delivery Docket	Batch Time Sample Time	Actual Slump 2nd Slump (2)	Sample Method Comp (3,4,5,6)	Sample No.	Date Tested	Avg Dia. (mm)	Hght (mm)	Dimensions (8)	Mass per Unit Vol (Kg/m3) (7,8)	C a p (9)	Initial Curing (hrs)	Std Curing (days) (10)	Age Days or Hrs	Strength (MPa)	M a r k	
3204	S40MPa	54261403	10:08	220	7.2.1	35103601A	05/09/11	100.6	196	2420	G	21	8	7D	22.0	N		
HCC2232	10.0 mm 180 mm	T3584805	10:40	-	E	35103601B	26/09/11	100.5	196	2420	G	21	27	28D	44.0	N		
						35103601C	26/09/11	100.3	196	2420	G	21	27	28D	44.5	N		
Casting Authority : Sample Remarks :						Product Description : TREM 40/10/180 Location : PILES												

<p>REPORT REMARKS <u>Failure Mode</u> N = NORMAL</p> <p style="text-align: right;"><u>Condition Prior</u></p> <hr/> <p>* NON STD INITIAL CURING</p> <p>* REASON</p> <p>Note 1 All tests carried out to relevant part of AS1012 unless noted otherwise. Note 2 Slump test to AS1012.3.1. Note 3 The clause shown indicates the sample method from AS1012.1. Note 4 Compaction method to AS1012.8.1 clause 7. Note 5 Not Used Note 6 Compaction code H = Hand Rodding, I = Int. Vibration, E = Ext. Vibration, R = Ramming. Note 7 Density of hardened concrete reported to AS1012.12.1. Note 8 Specimens uncapped and saturated surface dry. Note 9 Cap Type R = Rubber, S = Sulphur, D = Double Rubber, U = Double Sulphur, N = No Capping, G = Ground Note 10 Curing to AS1012.8.1 Clause 9.1(a). Temperate Zone. Note 11 Air content [if reported] to AS1012.4.2.</p>	<p style="text-align: right;">Accredited for compliance with ISO/IEC 17025</p> <p style="text-align: center;">  NATA <small>ACCREDITED FOR TECHNICAL COMPETENCE</small> </p> <p>The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/National Standards</p> <p>NATA Accredited Laboratory Number : 415</p> <div style="text-align: right; margin-top: 20px;">  </div> <hr/> <p>Approved Signatory Kevin Lester Run Date 7/10/11 8:54 AM Form Number HYLAB002 Version 0306</p>
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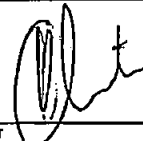
Report No. 61009955
Sample Date : 27-08-11
Page 1 of 1
FINAL REPORT

PROJECT {MACPHERSON ST}
 MACPHERSON ST
 Cross Street: BRANDS LA
 WARRIEWOOD, NSW 2102

This report replaces all
 previous issues of
 Report Number : 61009955

CYLINDER COMPRESSIVE STRENGTH TEST REPORT (1) AS1012.9

Batch Details						Specimen Details										
Plant Truck	F'c MAS Slump	Delivery Docket	Batch Time Sample Time	Actual Slump 2nd Slump (2)	Sample Method Comp (3,4,5,6)	Sample No.	Date Tested	Avg Dia. (mm)	Hght (mm)	Mass per Unit Vol (Kg/m3) (7,8)	C a p (8)	Initial Curing (hrs)	Std Curing (days) (10)	Age Days or Hrs	Strength (MPa)	M a r k
3204	S40MPa	54258934	09:21	210	7.2.1	35103301A	03/09/11	100.4	197	2420	G	21	6	7D	20.0	N
HCC2248	10.0 mm 180 mm	T3584804	10:15	-	E	35103301B	24/09/11	100.1	198	2420	G	21	27	28D	42.5	N
						35103301C	24/09/11	100.1	198	2440	G	21	27	28D	43.0	N
Casting Authority : Sample Remarks :						Product Description : TREM 40/10/180 Location : PILES										

REPORT REMARKS	Failure Mode N = NORMAL	Condition Prior	 Accredited for compliance with ISO/IEC 17025 The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/National Standards NATA Accredited Laboratory Number : 415
* NON STD INITIAL CURING * REASON			
Note 1 All tests carried out to relevant part of AS1012 unless noted otherwise. Note 2 Slump test to AS1012.3.1. Note 3 The clause shown indicates the sample method from AS1012.1. Note 4 Compaction method to AS1012.8.1 clause 7. Note 5 Not Used Note 6 Compaction code H = Hand Rodding, I = Int. Vibration, E = Ext. Vibration, R = Ramming. Note 7 Density of hardened concrete reported to AS1012.12.1. Note 8 Specimens uncapped and saturated surface dry. Note 9 Cap Type R = Rubber, S = Sulphur, D = Double Rubber, U = Double Sulphur, N = No Capping, G = Ground Note 10 Curing to AS1012.8.1 Clause 9.1(a). Temperate Zone. Note 11 Air content [if reported] to AS1012.4.2.			
Approved Signatory Kevin Lester		Run Date 7/10/11 8:54 AM	
Form Number HYLAB002		Version 0308	

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Report No. 61009950
Sample Date : 26-08-11
Page 1 of 1
FINAL REPORT

PROJECT {MACPHERSON ST}
 MACPHERSON ST
 Cross Street: BRANDS LA
 WARRIEWOOD, NSW 2102

This report replaces all
 previous issues of
 Report Number : 61009950

CYLINDER COMPRESSIVE STRENGTH TEST REPORT (1) AS1012.9

Batch Details						Specimen Details										
Plant Truck	F'c MAS Slump	Delivery Docket	Batch Time Sample Time	Actual Slump 2nd Slump (2)	Sample Method Comp (3,4,5,6)	Sample No.	Date Tested	Dimensions Avg Dia. Hgt (mm) (mm) (8)		Mass per Unit Vol (Kg/m3) (7,8)	C a p (8)	Initial Curing (hrs)	Std Curing (days) (10)	Age Days or Hrs	Strength (MPa)	M a r k
3204	S60MPa	54250736	10:20	220	7.2.1	198781A	02/09/11	100.0	198	2420	G	21	6	7D	26.5	N
HCC2241	10.0 mm 180 mm	T3584803	11:15	-	E	198781B	23/09/11	100.3	195	2420	G	21	27	28D	51.5	N
						198781C	21/10/11	99.8	198	2440	G	21	55	56D		N
Casting Authority : Sample Remarks :						Product Description : TREM 60/10/180 Location :										

REPORT REMARKS	Failure Mode N = NORMAL	Condition Prior	
<p>* NON STD INITIAL CURING</p> <p>* REASON</p> <p>Note 1 All tests carried out to relevant part of AS1012 unless noted otherwise.</p> <p>Note 2 Slump test to AS1012.3.1.</p> <p>Note 3 The clause shown indicates the sample method from AS1012.1.</p> <p>Note 4 Compaction method to AS1012.8.1 clause 7.</p> <p>Note 5 Not Used</p> <p>Note 6 Compaction code H = Hand Rodding, I = Int. Vibration, E = Ext. Vibration, R = Ramming.</p> <p>Note 7 Density of hardened concrete reported to AS1012.12.1.</p> <p>Note 8 Specimens uncapped and saturated surface dry.</p> <p>Note 9 Cap Type R = Rubber, S = Sulphur, D = Double Rubber, U = Double Sulphur, N = No Capping, G = Ground</p> <p>Note 10 Curing to AS1012.8.1 Clause 9.1(a). Temperate Zone.</p> <p>Note 11 Air content [if reported] to AS1012.4.2.</p>		<p>Accredited for compliance with ISO/IEC 17025</p> <p>The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/National Standards</p> <p style="text-align: center;">NATA <small>INDEPENDENT FOR TECHNICAL COMPETENCE</small></p> <p>NATA Accredited Laboratory Number : 415</p> <div style="text-align: right; font-size: 2em; font-family: cursive;"> </div>	
		Approved Signatory Kevin Lester	Run Date 7/10/11 8:54 AM
		Form Number HYLAB002	Version 0308

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 ABN 35 000 582 221
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 GRANVILLE NSW 2009
 PHONE: 02 9660 7877
 FAX: 02 9660 3169



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 BOTANY, NSW 2019


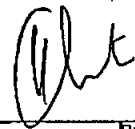
Report No. 61009943
Sample Date : 25-08-11
Page 1 of 1
FINAL REPORT

PROJECT {MACPHERSON ST}
 MACPHERSON ST
 Cross Street: BRANDS LA
 WARRIEWOOD, NSW 2102

This report replaces all
 previous issues of
 Report Number : 61009943

CYLINDER COMPRESSIVE STRENGTH TEST REPORT (1) AS1012.9

Batch Details						Specimen Details												
Plant Truck	F'c MAS Slump	Delivery Docket	Batch Time Sample Time	Actual Slump 2nd Slump (2)	Sample Method Comp (3,4,5,6)	Sample No.	Date Tested	Avg Dia. (mm)	Hght (mm)	Dimensions (8)	Mass per Unit Vol (Kg/m ³) (7,8)	Cap (9)	Initial Curing (hrs)	Std Curing (days)	Age Days or Hrs	Strength (MPa)	Mark	
3204	S40MPa	54239303	07:12	150	7.2.1	198785A	01/09/11	99.9	188		2460	G	28	6	7D	18.5	N	
HCC2227	10.0 mm 180 mm	T3584802	08:20	-	E	198785B	22/09/11	100.1	197		2460	G	28	27	28D	43.5	N	
						198785C	22/09/11	100.4	196		2460	G	28	27	28D	44.5	N	
Casting Authority : Sample Remarks :						Product Description : TREM 40/10/180 Location :												

<p>REPORT REMARKS Failure Mode Condition Prior</p> <p>N = NORMAL</p> <p>* NON STD INITIAL CURING</p> <p>* REASON</p> <p>Note 1 All tests carried out to relevant part of AS1012 unless noted otherwise. Note 2 Slump test to AS1012.3.1. Note 3 The clause shown indicates the sample method from AS1012.1. Note 4 Compaction method to AS1012.8.1 clause 7. Note 5 Not Used Note 6 Compaction code H = Hand Rodding, I = Int. Vibration, E = Ext. Vibration, R = Ramming. Note 7 Density of hardened concrete reported to AS1012.12.1. Note 8 Specimens uncapped and saturated surface dry. Note 9 Cap Type R = Rubber, S = Sulphur, D = Double Rubber, U = Double Sulphur, N = No Capping, G = Ground Note 10 Curing to AS1012.8.1 Clause 9.1(a). Temperate Zone. Note 11 Air content [if reported] to AS1012.4.2.</p>	<p style="text-align: right;">Accredited for compliance with ISO/IEC 17025</p> <p style="text-align: center;">  NATA <small>ACCREDITED FOR TECHNICAL COMPETENCE</small> </p> <p>The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/National Standards</p> <p>NATA Accredited Laboratory Number : 415</p> <div style="text-align: right; margin-top: 20px;">  </div> <p>Approved Signatory Kevin Lester Run Date 7/10/11 8:54 AM Form Number HYLAB002 Version 0308</p>
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 FAX: 02 9660 3169



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 BOTANY, NSW 2019


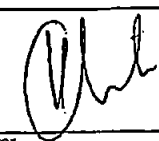
Report No. 61009941
Sample Date : 24-08-11
Page 1 of 1
FINAL REPORT

PROJECT {MACPHERSON ST}
 MACPHERSON ST
 Cross Street: BRANDS LA
 WARRIEWOOD, NSW 2102

This report replaces all
 previous issues of
 Report Number : 61009941

CYLINDER COMPRESSIVE STRENGTH TEST REPORT (1) AS1012.9

Batch Details						Specimen Details									
Plant Truck	F'c MAS Slump	Delivery Docket	Batch Time Sample Time	Actual Slump 2nd Slump (2)	Sample Method Comp (3,4,5,6)	Sample No.	Date Tested	Dimensions Avg Dia. (mm) Hgt (mm) (8)	Mass per Unit Vol (Kg/m3) (7,8)	Cap (9)	Initial Curing (hrs)	Std Curing (days) (10)	Age Days or Hrs	Strength (MPa)	Mark
3204 HCC2227	S40MPa 10.0 mm 180 mm	54231412 T3584801	07:09 08:30	170 -	7.2.1 E	198753A 198753B 198753C	31/08/11 21/09/11 21/09/11	99.9 195 100.4 198 100.4 198	2440 2460 2480	G G G	28 28 28	6 27 27	7D 28D 28D	23.0 47.0 46.0	N N N
Casting Authority : Sample Remarks :						Product Description : TREM 40/10/180 Location :									

REPORT REMARKS Failure Mode N = NORMAL Condition Prior	 Accredited for compliance with ISO/IEC 17025 The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/National Standards NATA Accredited Laboratory Number : 415  Approved Signatory Kevin Lester Form Number HYLAB002 Run Date 7/10/11 8:54 AM Version 0306
* NON STD INITIAL CURING * REASON Note 1 All tests carried out to relevant part of AS1012 unless noted otherwise. Note 2 Slump test to AS1012.3.1. Note 3 The clause shown indicates the sample method from AS1012.1. Note 4 Compaction method to AS1012.8.1 clause 7. Note 5 Not Used Note 6 Compaction code H = Hand Rodding, I = Int. Vibration, E = Ext. Vibration, R = Ramming. Note 7 Density of hardened concrete reported to AS1012.12.1. Note 8 Specimens uncapped and saturated surface dry. Note 9 Cap Type R = Rubber, S = Sulphur, D = Double Rubber, U = Double Sulphur, N = No Capping, G = Ground Note 10 Curing to AS1012.8.1 Clause 9.1(a). Temperate Zone. Note 11 Air content (if reported) to AS1012.4.2.	

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 GRANVILLE NSW 2009
 PHONE: 02 9660 7877
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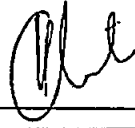
BY: _____ Report No. 61009933
 Sample Date : 23-08-11
 Page 1 of 1
 FINAL REPORT

PROJECT {MACPHERSON ST}
 MACPHERSON ST
 Cross Street: BRANDS LA
 WARRIEWOOD, NSW 2102

This report replaces all
 previous issues of
 Report Number : 61009933

CYLINDER COMPRESSIVE STRENGTH TEST REPORT (1)
AS1012.9

Batch Details						Specimen Details									
Plant Truck	F'c MAS Slump	Delivery Docket	Batch Time Sample	Actual Slump 2nd Slump (2)	Sample Method Comp (3,4,5,6)	Sample No.	Date Tested	Dimensions Avg Dia. (mm) Hght (mm) (8)	Mass per Unit Vol (Kg/m ³) (7,8)	C a p (9)	Initial Curing (hrs)	Std Curing (days) (10)	Age Days or Hrs	Strength (MPa)	M a r k
3204	S40MPa	54227172	10:52	160	7.2.1	198749A	30/08/11	100.2 195	2440	G	24	6	7D	27.0	N
HCC2248	10.0 mm 180 mm	T3584800	12:00	-	E	198749B	20/09/11	100.1 195	2440	G	24	27	28D	53.0	N
						198749C	20/09/11	100.1 195	2440	G	24	27	28D	52.5	N
Casting Authority : Sample Remarks :						Product Description : TREM 40/10/180 Location :									

REPORT REMARKS	Failure Mode N = NORMAL	Condition Prior	 Accredited for compliance with ISO/IEC 17025 The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/National Standards
* NON STD INITIAL CURING	* REASON		
Note 1 All tests carried out to relevant part of AS1012 unless noted otherwise. Note 2 Slump test to AS1012.3.1. Note 3 The clause shown indicates the sample method from AS1012.1. Note 4 Compaction method to AS1012.8.1 clause 7. Note 5 Not Used Note 6 Compaction code H = Hand Rodding, I = Int. Vibration, E = Ext. Vibration, R = Ramming. Note 7 Density of hardened concrete reported to AS1012.12.1. Note 8 Specimens uncapped and saturated surface dry. Note 9 Cap Type R = Rubber, S = Sulphur, D = Double Rubber, U = Double Sulphur, N = No Capping, G = Ground Note 10 Curing to AS1012.8.1 Clause 8.1(a). Temperate Zone. Note 11 Air content [if reported] to AS1012.4.2.			NATA Accredited Laboratory Number : 415 
Approved Signatory Kevin Lester		Run Date 7/10/11 8:54 AM	Form Number HYLAB002
		Version 0306	

HYMIX TECHNICAL SERVICE CENTRE - NSW
 ABN 35 000 582 221
 1/29 CRESCENT ST
 GRANVILLE NSW 2009
 PHONE: 02 9660 7877
 FAX: 02 9660 3169



CLIENT CIVIL FOUNDATIONS PTY LTD
 26 CRANBROOK STREET
 BOTANY, NSW 2019



Report No. 61009930
Sample Date : 22-08-11
Page 1 of 1
FINAL REPORT

PROJECT {MACPHERSON ST}
 MACPHERSON ST
 Cross Street: BRANDS LA
 WARRIEWOOD, NSW 2102

This report replaces all
 previous issues of
 Report Number : 61009930

CYLINDER COMPRESSIVE STRENGTH TEST REPORT (1) AS1012.9

Batch Details						Specimen Details										
Plant Truck	F _c MAS Slump	Delivery Docket	Batch Time Sample Time	Actual Slump 2nd Slump (2)	Sample Method Comp (3,4,5,6)	Sample No.	Date Tested	Dimensions Avg Dia. Hght (mm) (mm) (8)		Mass per Unit Vol (Kg/m ³) (7,8)	Cap (9)	Initial Curing (hrs)	Std Curing (days) (10)	Age Days or Hrs	Strength (MPa)	Mark
3204	S40MPa	54218529	07:38	180	7.2.1	198737A	29/08/11	100.0	195	2440	G	27	6	7D	23.5	N
HCC2227	10.0 mm 180 mm	T3584799	08:55	-	E	198737B	18/09/11	100.1	198	2440	G	27	27	28D	46.5	N
						198737C	18/09/11	99.9	196	2440	G	27	27	28D	43.5	N
Casting Authority : Sample Remarks :						Product Description : TREM 40/10/180 Location :										

<p>REPORT REMARKS Failure Mode Condition Prior</p> <p>N = NORMAL</p> <hr/> <p>* NON STD INITIAL CURING</p> <p>* REASON</p> <p>Note 1 All tests carried out to relevant part of AS1012 unless noted otherwise. Note 2 Slump test to AS1012.3.1. Note 3 The clause shown indicates the sample method from AS1012.1. Note 4 Compaction method to AS1012.8.1 clause 7. Note 5 Not Used Note 6 Compaction code H = Hand Rodding, I = Int. Vibration, E = Ext. Vibration, R = Ramming. Note 7 Density of hardened concrete reported to AS1012.12.1. Note 8 Specimens uncapped and saturated surface dry. Note 9 Cap Type R = Rubber, S = Sulphur, D = Double Rubber, U = Double Sulphur, N = No Capping, G = Ground Note 10 Curing to AS1012.8.1 Clause 8.1(a). Temperate Zone. Note 11 Air content (if reported) to AS1012.4.2.</p>	<p style="text-align: right;">Accredited for compliance with ISO/IEC 17025</p> <div style="text-align: center;">  NATA Accredited Laboratory Number : 415 </div> <p style="text-align: center;">The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/National Standards</p> <div style="text-align: center; margin-top: 20px;">  </div> <hr/> <p>Approved Signatory Kevin Lester Run Date 7/10/11 8:54 AM Form Number HYLAB002 Version 0306</p>
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HYMIX TECHNICAL SERVICE CENTRE - NSW
 ABN 35 000 582 221
 1/29 CRESCENT ST
 GRANVILLE NSW 2009
 PHONE: 02 9660 7877
 FAX: 02 9660 3169



CLIENT CIVIL FOUNDATIONS PTY LTD
 26 CRANBROOK STREET
 BOTANY, NSW 2019


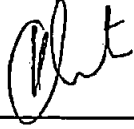
Report No. 61009926
 Sample Date : 19-08-11
 Page 1 of 1
 FINAL REPORT

PROJECT {MACPHERSON ST}
 MACPHERSON ST
 Cross Street: BRANDS LA
 WARRIEWOOD, NSW 2102

This report replaces all
 previous issues of
 Report Number : 61009926

CYLINDER COMPRESSIVE STRENGTH TEST REPORT (1) AS1012.9

Batch Details						Specimen Details									
Plant Truck	F'c MAS Slump	Delivery Docket	Batch Time Sample Time	Actual Slump 2nd Slump (2)	Sample Method Comp (3,4,5,6)	Sample No.	Date Tested	Dimensions Avg Dia. (mm) Hght (mm) (8)	Mass per Unit Vol (Kg/m3) (7,8)	C a p (9)	Initial Curing (hrs) (10)	Std Curing (days) (10)	Age Days or Hrs	Strength (MPa)	M a r k
3204	S40MPa	54212517	12:38	140	7.2.1	198733A	26/08/11	100.1 198	2400	G	22	6	7D	22.5	N
HCC2227	10.0 mm 180 mm	T3584787	13:45	-	E	198733B	16/09/11	100.8 197	2420	G	22	27	28D	46.5	N
						198733C	16/09/11	100.4 196	2420	G	22	27	28D	45.0	N
Casting Authority : Sample Remarks :						Product Description : TREM 40/10/180 Location :									

REPORT REMARKS	Failure Mode N = NORMAL	Condition Prior	 Accredited for compliance with ISO/IEC 17025 The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/National Standards NATA Accredited Laboratory Number : 415
* NON STD INITIAL CURING	* REASON		
Note 1	All tests carried out to relevant part of AS1012 unless noted otherwise.		 Approved Signatory Kevin Lester Form Number HYLAB002 Run Date 7/10/11 8:54 AM Version 0308
Note 2	Slump test to AS1012.3.1.		
Note 3	The clause shown indicates the sample method from AS1012.1.		
Note 4	Compaction method to AS1012.8.1 clause 7.		
Note 5	Not Used		
Note 6	Compaction code H = Hand Rodding, I = Init. Vibration, E = Ext. Vibration, R = Ramming.		
Note 7	Density of hardened concrete reported to AS1012.12.1.		
Note 8	Specimens uncapped and saturated surface dry.		
Note 9	Cap Type R = Rubber, S = Sulphur, D = Double Rubber, U = Double Sulphur, N = No Capping, G = Ground		
Note 10	Curing to AS1012.8.1 Clause 9.1(a). Temperate Zone.		
Note 11	Air content [if reported] to AS1012.4.2.		

HYMIX TECHNICAL SERVICE CENTRE - NSW
 ABN 35 000 582 221
 1/29 CRESCENT ST
 GRANVILLE NSW 2009
 PHONE: 02 9660 7877
 FAX: 02 9660 3169



CLIENT CIVIL FOUNDATIONS PTY LTD
 26 CRANBROOK STREET
 BOTANY, NSW 2019



Report No. 61009921
Sample Date : 18-08-11
Page 1 of 1
FINAL REPORT

PROJECT {MACPHERSON ST}
 MACPHERSON ST
 Cross Street: BRANDS LA
 WARRIEWOOD, NSW 2102

This report replaces all
 previous issues of
 Report Number : 61009921

CYLINDER COMPRESSIVE STRENGTH TEST REPORT (1) AS1012.9

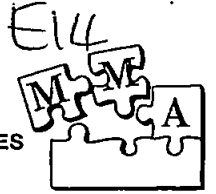
Batch Details						Specimen Details										
Plant Truck	F'c MAS Slump	Delivery Docket	Batch Time Sample Time	Actual Slump 2nd Slump (2)	Sample Method Comp (3,4,5,6)	Sample No.	Date Tested	Dimensions Avg Dia. Hght (mm) (8)		Mass per Unit Vol (Kg/m ³) (7,8)	C a p (9)	Initial Curing (hrs) (10)	Std Curing (days) (10)	Age Days or Hrs	Strength (MPa)	M a r k
3204	S40MPa	54202750	09:34	200	7.2.1	888501A	25/08/11	100.4	198	2360	G	26	8	7D	23.5	S
HCC2364	10.0 mm	T3584796	10:30	-	H	888501B	15/09/11	100.1	186	2400	G	26	27	28D	47.0	N
	180 mm					888501C	15/09/11	100.1	186	2400	G	26	27	28D	47.5	N
Casting Authority : SAMPLING, SLUMP & INITIAL CURING BY CTA NATA #17040						Product Description : TREM 40/10/180										
Sample Remarks :						Location : PILE #12										

REPORT REMARKS	Failure Mode S = SHEAR N = NORMAL	Condition Prior	 Accredited for compliance with ISO/IEC 17025 The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/National Standards
* NON STD INITIAL CURING * REASON			The concrete was not sampled by this laboratory. Data reported on initial curing, consistency and age at test is not covered by this NATA Accreditation, therefore notes 1 to 6 do not apply.
Note 1 All tests carried out to relevant part of AS1012 unless noted otherwise. Note 2 Slump test to AS1012.3.1. Note 3 The clause shown indicates the sample method from AS1012.1. Note 4 Compaction method to AS1012.8.1 clause 7. Note 5 Not Used Note 6 Compaction code H = Hand Rodding, I = Int. Vibration, E = Ext. Vibration, R = Ramming. Note 7 Density of hardened concrete reported to AS1012.12.1. Note 8 Specimens uncapped and saturated surface dry. Note 9 Cap Type R = Rubber, S = Sulphur, D = Double Rubber, U = Double Sulphur, N = No Capping, G = Ground Note 10 Curing to AS1012.8.1 Clause 9.1(a). Temperate Zone. Note 11 Air content (if reported) to AS1012.4.2.			NATA Accredited Laboratory Number : 415 
Approved Signatory Kevin Lester Form Number HYLAB002			Run Date 7/10/11 8:54 AM Version 0306

719/ML/16441/0
17 July 2012

MORGAN MOORE & ASSOCIATES

PTY LIMITED ACN 003 940 805
ABN 43 589 065 013



PROJECT AND COST MANAGEMENT
LEVEL 2, 4-10 BRIDGE STREET, PYMBLE NSW 2073
TELEPHONE (02) 9957 6188 FACSIMILE (02) 9957 3043
WEBSITE www.morganmoore.com.au

Mrs Sophie Litherland
Pittwater Council
PO Box 882
MONA VALE NSW 1660

Dear Sophie,

RE: Warriewood Brook Retirement Village – Stage 3
Macpherson Street, Warriewood – DA NO634/10

In accordance with condition E14 of the above consent we attach notification from our consultant GHD of the applicable flood category.

Yours sincerely,
MORGAN MOORE & ASSOCIATES PTY LTD

MARTIN MOORE
Director

Encl.

SENDER TO KEEP
LIFT & PEEL
094966517092



DIRECTORS: M.P.MOORE, FRICS, MAIPM, AAIQS. R. ABBOTT, B. Eld (Const.Mgt)



16 July 2012

Martin Moore
Morgan Moore and Associates
Level 5, 140 Arthur Street
NORTH SYDNEY NSW 2060

Our ref: 22/16052/15258
Your ref:

Dear Martin

**ARV Warriewood
Flood Category Notation**

We refer to the DA Condition E14 as part of the approvals for Stage 3 at the Anglican Retirement Villages, Warriewood Retirement Village.

The condition requires:

Notification to Council, certified by the appropriate qualified professional, of the properties to be notated under Section 149(2) for either Flood Category 1 or 2.

In this regard we recommend that Lots 1 & 2 in DP1161389 be designated as Category 2, being areas affected by floods greater than the 1% AEP event up to the PMF.

Yours faithfully
GHD Pty Ltd


Rainer Berg
Office Manager, Coffs Harbour
(02) 6650 5600

Con 17



PITTWATER COUNCIL

Food Premises Fit-Out Form

FP-1

I STEVE WATSON & PARTNERS of STEVE WATSON & PARTNERS
(Print name of Certifier) (Business name)

at LEVEL 5 432 KENT ST. STONEY
(Mailing Address)

02 9283 6555 0413 943 826
(Contact Phone Number - Landline and Mobile)

arys@swpartners.com.au
(Email address)

being a Principal Certifier (Accreditation No. ABC 1)

hereby certify that on 9/07/12 I inspected the food premises known as
(date)

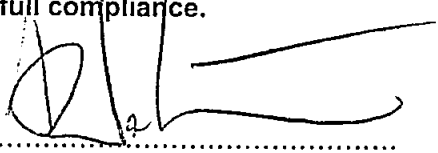
WARRIEWOOD BROOK STAGE 3 CAFE
(Name of Food Shop)

STAGE 3, 6-14 MACPHERSON ST. WARRIEWOOD
(Shop number and address of Food Shop)

The premises has been designed, fitted out and constructed in accordance with all of the approved plans, documents and requirements of:

1. the Development Consent number N0634/10 and
2. the Construction Certificate number 05/307/07, and
3. the Food Safety Standard 3.2.3 - *Food Premises and Equipment*, and
4. Australian Standard AS 4674-2004 *Design, Construction and Fit-Out of Food Premises*

Note: The Principal Certifier is to tick all four of the above requirements to acknowledge full compliance.

Signature 

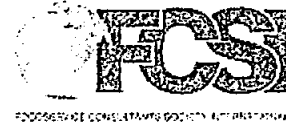
Date 9/07/12



SANGSTER DESIGN GROUP PTY LTD ABN 90 857 119 706

PO Box 3558 Parramatta NSW 2124
Unit 49 1/9 Palmer Street, North Parramatta NSW 2151

Telephone: (02) 9630 0148
Facsimile: (02) 9630 5755
Email: cad@sangsterdesign.com.au



20 June 2012

Hansen Yuncken
Level 6, 15 Bourke Road
MASCOT 2020

Attention: Mr. D. Skinner

**WARRIEWOOD BROOK STAGE III
DESIGN COMPLIANCE CERTIFICATE**

Dear Darren,

We confirm that the design of the new Food and Beverage facilities for the Cafe is in accordance with the National Code (AS4674-2004) for the *Design & Fit out of Foodservice Premises* and those clauses that have been adopted by the local Health Authority.

The design is contained in the following documents :

- Design Brief : August 2010
- Design Drawings : 2760-100, 101 and 201 marked "For Tender" October 2011.
- Tender Specification : October 2011

On completion of the fitout, we will inspect the facility for compliance with AS4674 and ensure any non-compliance issues are rectified.

Yours faithfully
SANGSTER DESIGN GROUP PTY LTD

KEN SANGSTER FCSI
Principal

CONSTRUCTION AND FITOUT OF FOOD PREMISES - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

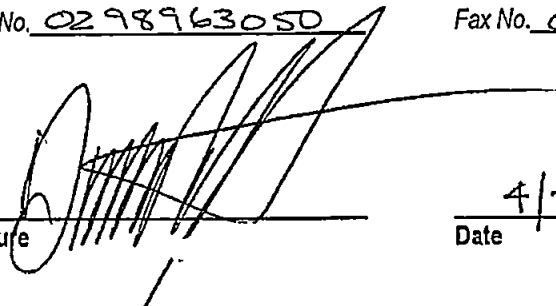
Measure and/or system	Standards of Performance
Construction and Fitout of Food Premises	Food Act 2003, Food Regulation 2004 and AS 4674-2004 and DA Conditions B) 29-44

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: Laboratory Operator for 27 years.

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: Don Petroff
 Company: Avstmont Catering Equipment P/L
 Address: 21 Amax Ave Girraween NSW 2145
 Phone No. 02 98963050 Fax No. 02 98963059

Signature  Date 4/7/2012

con E22



Food Notify

[Home](#) [Contact Us](#)

Food Business Notification

Notification Reference Number: 78057

[New Notification](#) [Edit Notification](#) [Premises](#) [Food Safety Supervisors](#) [Print Confirmation](#)

Notification Confirmation

Your Notification for this Food Business has been recorded by Food Notify.

Please PRINT or keep your own record of the following details:

[Print](#)

Business Notification Reference Number: 78057

Date of Notification: 31 Jul 2012

Proprietor / Company Name: Anglican Retirement Villages

Contact: Fiona Wheeler

(P) 02 9998 3380

**Office Address: The Ferneries 6-14 MacPherson St
WARRIEWOOD NSW 2102**

To keep a record of this notification, either press Print or highlight the text area with your mouse, press Ctrl-C, then paste the details into another application such as Microsoft Word or Excel.

Please note your Online access code (for viewing / changing details online): tk1726

The above access code is confidential and is to be used in conjunction with your Notification Reference number to view / change your notification details online.

Next Steps

The Authority's website has information to help new and existing food businesses understand their legal requirements and responsibilities.

Con ~~ES~~
24

Pittwater Council

OFFICIAL RECEIPT

15/05/2007 Receipt No 215330

To anglican retirement villages

6-14 mcpherson street
warriewood nsw 2102

Applic	Reference	Amount
GL Re	SWBF-S94 1 x n0102/05	\$33,277.91
GL Re	SWCF-S94 1 x n0102/05	\$705,499.58
GL Re	SWCL-S94 1 x n0102/05	\$105,169.97
GL Re	SWCW-S94 1 x n0102/05	\$744,182.27
GL Re	SWLS-S94 1 x n0102/05	\$145,802.63
GL Re	SWFC-S94 1 x n0102/05	\$664,371.90
GL Re	SWFM-S94 1 x n0102/05	\$233,409.15
GL Re	SWPR-S94 1 x n0102/05	\$1,509,579.60
GL Re	SWTT-S94 1 x n0102/05	\$475,703.22

Total: \$4,616,996.25

Amounts Tendered

Cash	\$0.00
Cheque	\$4,616,996.25
Db/Cr Card	\$0.00
Money Order	\$0.00
Agency Rec	\$0.00
Total	\$4,616,996.25
Rounding	\$0.00
Change	\$0.00
Nett	\$4,616,996.25

Printed 15/05/2007 1:37:42

Cashier NCulli

Section 94 Contribution Breakdown (Warriewood Valley)

NOTE: - PLEASE ENSURE THAT PAYMENT IS SUBMITTED TO CASHIER WITH THIS FORM

DA Consent No.:

NO102/05

(For Receipt Description)

Consent Date:

DA Consent Description:

SEPP SENIORS LIVING DEVELOPMENT

Property Address:

6-14 MACPHERSON STREET, WARRIEWOOD

(For Receipt Description)

S94 Subset	Contribution Amount	Cashier Code	Account No.	Responsible Business Unit
Traffic and Transport	\$ 475,703.22	SWTT	91310C1210000	Urban Infrastructure
Creekline corridor (works)	\$ 744,182.29	SWCW	91317C1210000	Urban Infrastructure
Creekline corridor (land)	\$ 105,169.97	SWCL	91303C1210000	Urban Infrastructure
Community Facilities	\$ 705,499.58	SWCF	91316C1210000	Community & Library Services
Public Recreation	\$ 1,509,579.60	SWPR	91312C1210000	Reserves & Recreation
Pedestrian Cycleway	\$ 664,371.90	SWPC	91311C1210000	Reserves & Recreation
Bushfire	\$ 33,277.91	SWBF	91314C1210000	Natural Resources
Library Services	\$ 145,802.63	SWLS	91315C1210000	Community & Library Services
Ponderosa Parade	\$	SWVP	91250C1210000	Urban Infrastructure
Plan Management	\$ 233,409.15	SWPM	91318C2210000	
Total Payment	\$4,616,996.25			

To be completed by Cashier

Date Paid:

15.5.07

Receipt Number:

215330.

NOTE TO CASHIER: -

PLEASE SEND COMPLETED FORM AND A COPY OF THE RECEIPT TO PROJECT LEADER WARRIEWOOD INFRASTRUCTURE

con 24

FIRE ENGINEERING DESIGN PTY LTD



26th July 2012

Steve Watson
Steve Watson & Partners
Level 5, 432 Kent Street
Sydney NSW 2000

By Email Also: SWatson@swpartners.com.au

STAGE 3 WORRIEWOOD BROOK RETIREMENT VILLAGE
6 – 14 MACPHERSON STREET – WARRIEWOOD NSW 2102
FIRE SAFETY ENGINEERING ASSESSMENT STATEMENT OF COMPLIANCE

Dear Steve,

The building was inspected by myself on the 26th July 2012 for compliance with the Fire Safety Design Report, titled "Fire Safety Engineering Report, Stage 3 Worriewood Brook Retirement Village – Worriewood NSW" prepared by Fire Engineering Design P/L, dated June 2011, Version A.

Herein the above document is referred to as the "Fire Report".

The non compliances that were specifically addressed are as identified in Table 3-1 of the above mentioned Fire Report.

The "Scope of Works" that was required to be implement to meet the relevant Performance Requirements of the BCA, for the specific non compliances addressed only, are summarised within Section 1.3 of the Fire Report.

This certificate is therefore limited to the above mentioned Scope of Works specified within the Fire Report.

The relevant fire safety certificates and supporting documentation in regard to the installation complying with Scope of Works are attached at the end of this document for ease of reference.

Responsibility for compliance with the relevant Australian Standards is vested to the relevant subcontractors.

Pursuant to Clause 153A(1)(b) and 153A(2) of the Environmental Planning and Assessment Regulation 2000, Based on the visual inspection of the works and subject to the above supporting documentation attached at the end of this document provided by the relevant installation contractors,

I *Mike Radford* hereby confirm that the subject works undertaken appear to have been completed and are consistent with the requirements of the Fire Report.



Fire Engineering Design P/L accepts no responsibility for the accuracy of the relevant contractors certification or if the relevant certification has been falsely produced.

I trust this serves your purpose.

Should you wish to discuss or if I can be of further assistance please feel free to contact me.

Kind Regards

A handwritten signature in black ink, appearing to read 'Mike Radford'. The signature is written in a cursive, flowing style.

Mike Radford

Accredited Fire Safety Engineer
BE(Hons), ME (Fire), CPEng, NPER
C10 - Accredited Certifier - Fire Safety Engineering Compliance BPB0337



FIRE SAFETY CERTIFICATES RELIED UPON



19 Beaumont Street
Campsie NSW 2194

ABN 14 096 507 576

Tel: (02) 9718 5181
Fax: (02) 9718 5391
Email: buildup@holkey.net.au

CLAUSE 144A COMPLIANCE STATEMENT - INSTALLATION
CERTIFICATE

Project Name	Warriswood Valloy Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Fire Engineering Design Pty Ltd FRL of External Walls FRL of Supporting Walls FRL of Carparks and SOU's	Fire Safety Report, project No. 2011118, Version A, dated June 2011

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: Contractor Licence number 137762C Expiry 03/10/2013

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: Bing WU
 Company: Buildup Interior Pty Ltd
 Address: 19 Beaumont St Campsie NSW 2194
 Phone No. 02 9718 5191 Fax No.: 02 9718 5391

Wubily
 Signature Date 06/07/2012



ABN 14 096 587 576

19 Beaumont Street
Campsie NSW 2194

Tel: (02) 9718 5191
Fax: (02) 9718 5391
Email: buildup@holkey.net.au

FIRE RESISTING CONSTRUCTION - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

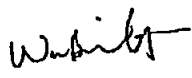
Measure and/or system	Standards of Performance
Fire resisting construction (Plasterboard walls and/or ceilings)	BCA2010 Part C2, AS 1170.1 - 1989, AS 1170.2 - 1989, AS 1170.4 - 1989, AS 3600 - 2001, AS 3700 - 2001, AS 4100 - 1998 and in accordance with a tested prototype to the scheduled Architects drawings.

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: Contractor Licence number 137762C Expiry 03/10/2013

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: Bing WU
 Company: Buildup Interior Pty Ltd
 Address: 19 Beaumont St Campsie NSW 2194
 Phone No. 02 9718 5191 Fax No.: 02 9718 5391


 Signature Date 08/07/2012



**FIRE RESISTING CONSTRUCTION – MASONRY CONSTRUCTION - INSTALLATION
CERTIFICATE**

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 – Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Fire resisting construction (Masonry)	BCA2010 Part C2, AS 1170.1 - 1989, AS 1170.2 - 1989, AS 1170.4 - 1993, AS 3600 - 2001, AS 3700 - 200*, AS 4100 - 1998 and in accordance with a tested prototype to the Architects drawings.

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: BACHELOR OF BLDG (UNSW)
17 YRS MASONRY EXPERIENCE IN CONSTRUCTION.

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: ROBERT TRINCOIS
Company: FAVETTI BUILDING PTY LTD
Address: 17 GARNER PL INGERSBORN NSW 2505
Phone No. (02) 9426-3400 Fax No. (02) 9426-8422

[Signature]
Signature

4/7/2012
Date



19 Beaumont Street
Campsie NSW 2194

ABN 14 096 587 576

Tel: (02) 9718 5191
Fax: (02) 9718 5391
Email: buildup@holkey.net.au

LIGHTWEIGHT CONSTRUCTION (FIRE RATED) - INSTALLATION CERTIFICATE

Project Name	Warriewood Valley Retirement Village
Address	6-14 Macpherson Street Warriewood NSW 2102
Part of Building to be certified	Stage 3 - Whole Building

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the nominated Standards of Performance.

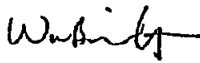
Measure and/or system	Standards of Performance
Lightweight construction	BCA2010 Specifications C1.8 and A2.3 and AS 1530.4

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: Contractor Licence number 137762C Expiry 03/10/2013

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name: Bing WU
 Company: Buildup Interior Pty Ltd
 Address: 19 Beaumont St Campsie NSW 2194
 Phone No. 02 9718 5191 Fax No.: 02 9718 5391


 Signature 21/05/2012
 Date

Hansen Yuncken Pty Ltd
Level 6, 15 Bourke Road
MASCOT, NSW, 2020

30 July 2012
Job No: A11031

Attention: Mr Danny Kataieh

Dear Danny,

**Stage 3 ARV Warriewood Brook Retirement Village,
6-14 Macpherson Street, Warriewood
Review of Access Provisions for people with a disability - OC stage**

The purpose of this letter is to confirm the completed Stage 3 Independent Living Units and the community centre facilities comply with all relevant access provisions for people with disabilities as outlined below.

Following a site visit at near completion of construction on 17 July 2012 and review of photos of the completed work received 27 and 30 July 2012, it is our opinion that with the implementation of the operational management strategies listed and provision of final fittings (additional strips to entry glazing and soap and paper towel fittings by ARV in accessible bathrooms), the access provisions for people with physical and sensory disabilities comply with the following relevant requirements:

- The Building Code of Australia 2010 - Parts D3, E3.6 & F2.4
- State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004 (Amendment No 2) 12 October 2007 - standards concerning access and useability; at gazettal date 18.01.08.
- AS1428.1 (2001) Design for access and mobility Part 1: General requirements for access- New building work
- AS1428.1 (2009) Design for access and mobility Part 1 (incorporating amendment No. 1): General requirements for access – New building work.
- AS1428.2 (1992) Design for access and mobility Part 2: Enhanced and Additional requirements-Buildings and facilities
- AS4299 (1995) Adaptable Housing
- AS1735.12 (1999) Lifts, escalators and moving walks Part 12: Facilities for persons with disabilities
- AS2890.6 (2009) Parking facilities Parking for people with disabilities
- The Disability Discrimination Act 1992 (DDA) and DDA Advisory Notes on Access to Premises – HREOC, June 1997
- Disability (Access to Premises - Buildings) Standards 2010
- Pittwater Council requirements for accessibility and DA conditions 15 and 17

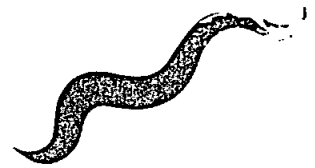
The ARV Warriewood Brook Retirement Village is located at 6 – 14 Macpherson Street, Warriewood. The main village entry is via an existing internal roadway from Macpherson Street. The completed stage 1 and stage 2 of the village includes: a residential aged care facility, 2 blocks of independent living units with basement parking and a communal Village Green. General pedestrian movement currently occurs on internal linking pathways and ramps. An

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accessible path of travel meeting the requirements of AS1428.1 is provided to link the existing Village facilities with the bus stop located on Macpherson Street.

Stage 3 includes:

Ground Floor

- 2 residential entry lobbies located on the northern side of the southern wing
- Undercover, secure, resident parking located in the southern wing
- 2 resident garbage areas located adjacent to the entry lobbies
- 5 independent living units (4 x 2 bed units and 1 x 3 bed unit) located on the southern side of the southern wing
- A community centre located in the eastern wing including: an entry and Village reception; administration area including the Village manager's office; waiting area; physiotherapy and 3 consultant rooms; a pool and 4 associated change facilities; gym; a large lounge area and café and links to external terraces; 2 meeting rooms; church office; toilets including a unisex accessible sanitary facility and gender specific cubicles for people with ambulant disabilities.
- A craft studio which includes a unisex accessible sanitary facility
- External parking located on the eastern side of the eastern wing (main village entry driveway) for use by the community centre

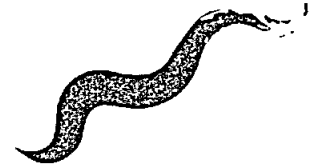
First Floor

- Southern and eastern wings which include 20 independent living units (9 x 2 bed units and 11 x 3 bed units)
- A communal lounge area and adjacent terrace
- 2 drying courts
- 2 lift lobbies

1. Continuous accessible paths of travel

To meet the functional requirements of the State Environmental Planning Policy (Housing for Seniors or People with a Disability) and AS1428.1, with the implementation of the ARV operational management strategies listed following and the completion of the glazing highlighting at principal building entries, continuous accessible paths of travel are provided to and within the Stage 3 ARV Warriewood Brook Retirement Village as following:

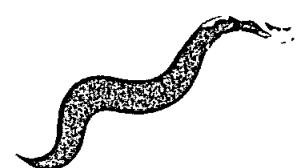
- from points of arrival, including local bus stop to new building entrances
- from accessible visitor parking to the principal community centre entries
- from resident parking to each self contained ILU unit
- to all common use facilities, including the new community centre facilities and existing landscaped areas within the Village
- to new resident common facilities including letterboxes, garbage bin storage areas and to all common use areas (lobby and corridor spaces) on levels 1 and 2 of the residential areas



2. Operational Management strategies:

It is our understanding that Anglican Retirement Villages intend to own and manage Stage 3 of the Warriewood Brook Retirement Village and propose to lease the independent living units. Anglican Retirement Villages has planned management strategies for Aging in Place with ongoing support for residents of the independent living units. While all dwellings are designed to be accessible for wheelchair users, some elements of adaptability allow for modification to meet individual needs if and when required. This includes:

- 2.1** To meet the State Environmental Planning Policy (Housing for Seniors or People with a Disability) Part 1 clause 6 accessible ILU entries are provided to link each of the 5 ground floor ILUs with the resident car park and general resident entries. To meet the State Environmental Planning Policy (Housing for Seniors or People with a Disability) Part 1 clause 19 and if and when required by a resident, the implementation of an operational management strategy to provide threshold strips at the principal ILU ground floor entries on the MacPherson Street side of the development (link to clothes lines and landscaped areas), where entry lips are greater than 5mm, is recommended.
- 2.2** To meet the State Environmental Planning Policy (Housing for Seniors or People with a Disability) Part 1 clause 5 the undercover parking area for 25 resident cars is required to include 2 accessible parking spaces. An operational management strategy has been developed by ARV (16th July 2012) to provide accessible parking spaces for use by a resident if required, by adapting 3 standard parking spaces to provide 2 accessible spaces with an adjacent shared area (ie to include a layout to meet AS2890.6 requirements).
- 2.3** The Community Centre, entry to the Chaplain's office via the multipurpose hall does not include circulation space on the latch side of the doorway externally to meet AS1428.1 figure 13 and the BCA (2010) part D3. We recommend as an alternative solution to meeting the BCA deemed to satisfy requirements of clause D3.3 and to meet the BCA performance requirements DP1 and DP7, as part of the staff management strategy, an operational management strategy is developed to provide an automatic door opener, such as the "Ablay Automatic Swing Door Operator", if required by an independent wheelchair user, who is unable reach the door handle to enter the room. We note that as part of this strategy a power supply, required for installation of an automatic door opener, is located adjacent to the door on the latch side.
- 2.4** The Community Centre corridor linking the large meeting room and pool area is to provide a secondary entrance to the meeting room only. To meet the BCA (2010) part D3, the linking doorway includes a clear door opening to meet AS1428.1, however the latch side circulation space is restricted. As an alternative solution to meeting the BCA deemed to satisfy requirements of clause D3.3 and to meet the BCA performance requirements DP1 and DP7 the door includes a glass viewing panel and the implementation of an operational management strategy is proposed to facilitate entry with the provision of assistance to a wheelchair user who is unable reach the door handle to enter the room.
- 2.5** To meet AS1428.1 clause 10.6 and figure 26 and the BCA (2010) part F2.4 a wall mounted folding shower seat is required in an accessible shower. As an alternative solution to meeting the BCA deemed to satisfy requirements of clause F2 and to provide facilities which are more suitable for use by older residents, the Community Centre, pool area showers in the accessible change rooms are proposed to include loose shower chairs with a backrest and armrests.



2.6 An operational management strategy has been developed by ARV(16th July 2012) see following, to facilitate access to the pool area, by a person using a wheelchair, who is unable to reach the entry control "fob" points which are proposed to be located at a height required to meet Child Safety requirements.

In the event a resident who is in a wheelchair requires access to the pool, assistance will be provided by ARV staff. Residents requiring assistance will be required to request assistance by informing staff at the reception counter in the main foyer which is adjacent to the proposed entry of the pool area.

Exiting the pool can be self-assisted for any resident in a wheelchair. Both the main entry door and pool terrace door have a push exit button located on the wall adjacent to the door positioned at 900 high above finished floor level.

The double doors to the pool are glazed doors providing clear visibility between the main foyer and pool area.

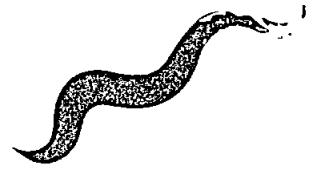
3. Accessible facilities

To meet the BCA part D3, E3.6 and F2.4 (2010), the community centre accessible facilities including:

- 2 accessible parking spaces located within the external parking on the eastern side of the building, which include a layout compliant with AS2890.1 and the State Environmental Planning Policy (Housing for Seniors or People with a Disability)
- unisex accessible sanitary facilities, accessible showers and cubicles for people with ambulant disabilities are provided to meet AS1428.1 and the BCA part F2.4. with the exception of the provision of soap and paper towel dispensers which are to be provided by ARV, in locations to meet AS1428.1 (2001)
- accessible reception counter to meet AS1428.2 (2001) and the intent of the DDA
- a ramped pool entry to meet the BCA part D3.2 (2010) and the intent of the DDA
- hearing augmentation to meet the BCA part D3.7 (2010)
- Lifts which include features to meet the BCA part E3.6 and AS1735.12.
- Signage to meet the BCA part D3.6 (2010)

4. Independent Living Units

The Independent Living Units within the Stage 3 Warriewood Brook Retirement Village include circulation spaces and paths of travel to satisfy the policy objectives and intent of the State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004 updated 12 October 2007 and the requirements of the BCA(2010) and AS1428.1. Consequently the ILUs for Stage 3 satisfy the intent of the relevant development controls and the principles of equitable, dignified access of the Disability Discrimination Act.



5. Conclusion

In summary the ARV Warriewood Brook Retirement Village Stage 3, Community Centre and independent living units satisfy the policy objectives and intent of the State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004 updated 12 October 2007 and the requirements of AS1428.1 and AS4299 and consequently satisfy the intent of the development controls of Pittwater Council and the principles of equitable access of the Disability Discrimination Act.

Continuous accessible paths of travel complying with the functional requirements of AS1428.1 are provided linking the independent living units and community facilities across the site, including links to the resident garbage bin storage areas and letterboxes and links to common use facilities including relevant landscaped areas, the pool facilities, café and meeting spaces, the office, consulting and physiotherapy areas. Accessible facilities are within the Community Centre to meet the intent of the DDA and BCA part D3, E3.6 and, F2.4.

I certify that I am an appropriately qualified and competent person practising in the relevant area of work. I have recognised relevant experience in the area of work being reviewed. My company is holding appropriate current insurance policy to the satisfaction of the building owner or the principal authorising the installation work being reviewed.

Yours faithfully

access associates sydney

Robyn Thompson

Access Associates Sydney

Qualifications: Diploma of Occupational Therapy, Cumberland College of Health Sciences (Sydney) 1976.

Affiliations: Registered Occupational Therapist (no: OCC0001726124)
Accredited member Association of Consultants in Access Australia (No: 150)
Affiliate member Australian Institute Building Surveyors (No: 4233)

26

MANAGING DIRECTORS
MATTHEW PALAVIDIS
VICTOR FATTORETTO

DIRECTORS
MATTHEW SHIELDS
BEN WHITE



20110665.3/1107A/R0/GC

11/07/2012

Hansen Yuncken Pty Ltd
Level 6
15 Bourke Road
MASCOT NSW 2020

Email: DKataieh@hansenyuncken.com.au

ATTN: MR DANNY KATAIEH

Stage 3, Anglican Retirement Village, 6-14 Macpherson St, Warriewood - Wall NoiseTransmission Loss Testing Report

1 INTRODUCTION

This report presents the results of the noise transmission loss measurements of various intertenancy walls between units within Stage 3 of the Anglican Retirement Village at 6-14 Macpherson Street, Warriewood. Measurements were conducted on 9th July 2012.

2 INTERTENANCY WALLS

On site testing was conducted on the 9th July 2012 by this office.

2.1 TEST PROCEDURE

The weighted standardised level difference with spectrum adaptation term ($D_{nT,w} + C_{tr}$) ratings were determined generally in accordance with the procedures given in Australian Standards AS 2253 and AS 1276.

The instruments used during the tests are listed below.

1. Norsonic 140 Sound Level Analyser.
2. Norsonic 1251 Sound Level Calibrator.
3. Signal Generator.
4. FBT Jolly 15Ba Sound Source.

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2.2 TEST SIGNALS & FREQUENCIES

Random pink noise was used during the test procedure. Tests were conducted between 100 Hz and 3150Hz.

2.3 BCA CRITERIA

BCA Clause F5.5a(i): Walls separating sole occupancy units must have an Weighted Sound Reduction Index with Spectrum Adaptation Term (abbreviated as $R_w + C_{tr}$) of not less than 50.

BCA Clause FV5.1: Compliance with FP5.2(a) and FP5.3 to avoid the transmission of airborne sound through walls is verified when it is measured in-situ that-

- (a) a wall separating sole occupancy units has a weighted standardised level difference with spectrum adaptation term ($D_{ntw} + C_{tr}$) not less than 45 when determined under AS/NZ 1276.1 or ISO 717.1*

2.4 TEST RESULTS

$D_{ntw} + C_{tr}$ is the field noise testing term of $R_w + C_{tr}$. Wall testing was conducted in apartments on site. Performance deficiencies of up to 5 $D_{ntw} + C_{tr}$ may be a result of normal field measurement uncertainty, rather than a real deficiency. The testing results are presented in table 1 below.

Table 1 - Results of $D_{ntw} + C_{tr}$ Wall Transmission Testing

Source Room	Receiving Room	Measured $D_{ntw} + C_{tr}$	BCA Criteria $D_{ntw} + C_{tr}$	Complies
Unit 85 Living Area	Unit 84 Living Area	49	45	Yes
Unit 83 Living Area	Unit 82 Bedroom	49	45	Yes
Unit 87 Living Area	Unit 88 Living Area	51	45	Yes
Unit 71 Living Area	Unit 72 Bedroom	49	45	Yes
Unit 78 Living Area	Unit 79 Bedroom	50	45	Yes
Unit 75 Living Area	Unit 76 Living Area	47	45	Yes
Unit 68 Bedroom	Unit 69 Bedroom	50	45	Yes

3 CONCLUSION

Results from the noise transmission loss measurements of various intertenancy walls between units within Stage 3 of the Anglican Retirement Village at 6-14 Macpherson Street, Warriewood have been presented in this report.

All intertenancy walls tested achieved acoustic requirements complying with BCA requirements and are satisfactory.

We trust this information is satisfactory. Please contact us should you have any further queries.

Yours faithfully,

A handwritten signature in black ink, appearing to be 'Glen Campbell', with a long horizontal flourish extending to the right.

Acoustic Logic Consultancy Pty Ltd
Glen Campbell

MANAGING DIRECTORS
MATTHEW PALAVIDIS
VICTOR FATTORETTO

DIRECTORS
MATTHEW SHIELDS
BEN WHITE



**Stage 3, Anglican Retirement Village, 6-14 Macpherson
St, Warriewood**

Acoustic Compliance Testing Report

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1 INTRODUCTION

This report presents the floor impact isolation, indoor pool reverberation and mechanical noise emission testing results for Stage 3 of the Anglican Retirement Village at 6-14 Macpherson Street, Warriewood.

2 FLOORS

On site testing was conducted on the 19th July 2012 by this office.

2.1 MEASUREMENT EQUIPMENT

A Nor211A type tapping machine was used to generate a standardised impact sound source. The tapping machine was placed on the flooring system and a measurement of the transmitted sound was taken in the receiving room below. The background noise and reverberation time of the receiving room was also measured.

Noise measurements were obtained using a Norsonic 140 Sound Level Analyser, set on A-weighted fast response. The sound level meter was calibrated before and after the measurements using a Norsonic 1251 Sound Level Calibrator. No significant drift was recorded.

2.2 TEST PROCEDURE

The method employed to conduct the impact noise isolation measurements complied with International standard ISO 140-7, "Acoustics - Measurement of sound insulation in buildings and of building elements - Part 7: Field measurements of impact sound insulation of floors."

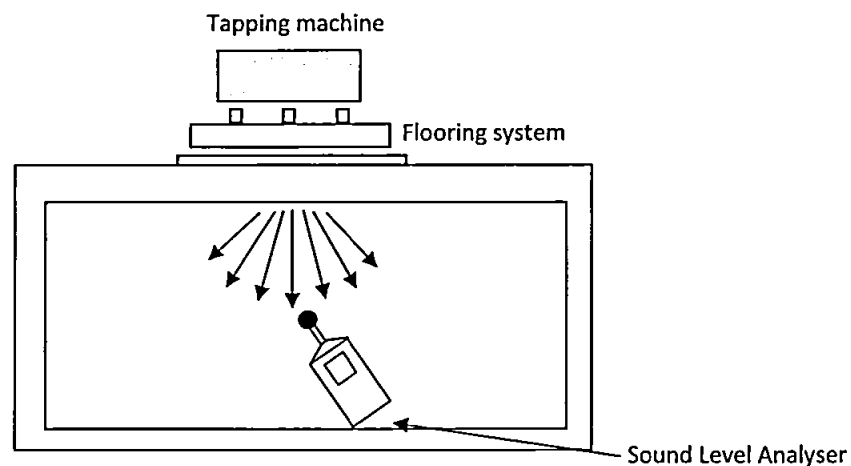


Figure 1 - Tapping Test Procedure

2.3 BCA CRITERIA

F5.4 (a) A floor will be required to have a $L_{nw} + C_1$ of not more than 62 if it separates:

- (i) sole occupancy units

2.4 TEST RESULTS

The $L_{nT_w} + C_1$ rating for the tested floors were determined using noise levels obtained taking into account the acoustic characteristics of the receiving room. The tapping test was conducted twice, the second test with the tapping machine positioned perpendicular to the first test alignment. The average result for the two tests is presented in Table 2 below which compares results with project and BCA criteria.

Table 1 – Measured Floor Results

Source Room	Receiving Room	Measured Results	BCA Requirement	Complies
Unit 70 Kitchen	Unit 65 Living Area	34	$L_{nT_w} + C_1 \leq 62$	Yes
Unit 72 Hallway	Unit 66 Living Area	36	$L_{nT_w} + C_1 \leq 62$	Yes
Unit 75 Kitchen	Unit 69 Living Area	40	$L_{nT_w} + C_1 \leq 62$	Yes

3 MECHANICAL NOISE EMISSION TESTING

3.1 NOISE MEASUREMENTS TIME

Noise level measurements were conducted on the 20th July 2012 between 2pm and 4pm at various locations within the building and externally surrounding the site.

Noise level measurements were conducted during a period when all plant and equipment were operating under normal maximum conditions.

3.2 NOISE MEASUREMENTS EQUIPMENT

Noise measurements were obtained using a Norsonic type 140 Sound Analyser was used for the noise measurements. The analyser was set to fast response and calibrated before and after the measurements using a Norsonics Sound Calibrator type 1251. No significant drift was noted.

3.3 NOISE LEVEL MEASUREMENTS

3.3.1 Measured Internal Noise Levels

3.3.1.1 Internal Noise Criteria

Noise from mechanical plant inside the development will be designed to meet the project acoustic criteria presented below. This criteria is the same as that in a previous acoustic report prepared by this office, 2008563/0508A/R0/MA.

These criteria apply to noise levels with the plant operating under all normal operating conditions.

Table 2 – Recommended Internal Noise Levels

SPACE/ACTIVITY TYPE	NOISE LEVEL dB(A)
Bedrooms	35 for apartment a/c unit on med speed 30 from all other plant
Living Room	40 for apartment a/c unit on med speed 35 from all other plant
Dining Room	40 for apartment a/c unit on med speed 35 from all other plant
Kitchens	45
Bathrooms	45
Laundry	50
Lift Lobbies on Apartment Levels	50
Corridors Outside Apartments	50
Basement and Garbage Rooms	65
Carpark Lift Lobbies	65

3.3.1.2 Measurement Results

The following table presents the measured noise levels and compares the results against the criteria.

Table 3 – Measured Internal Noise Levels

Level/Unit	Measurement Location	Measured Noise Level dB(A)	Criteria	Compliance
Unit 81	Bedroom	34	30	Yes*
Unit 82	Living Room	37	40	Yes

*Note: Providing equipment is switched off at night compliance with acoustic criteria will be achieved.

3.4 MEASURED EXTERNAL NOISE LEVELS

Measured external noise levels are presented within this section of the report. Measured noise levels have been compared with the project criteria of Background Noise + 5 dB(A). Background noise levels were obtained at the site at a location which was not impacted by plant noise operation on the site. The measured background noise level which has been used as the basis of the assessment was 48 dB(A) L₉₀.

Table 4 – Measured External Noise Levels

Measurement Location	Measured Noise Level dB(A)	Noise Level Criteria (B/G + 5 dB(A)) L _{eq}	Compliance
Unit 81 Balcony	50	53	Yes
Unit 82 Balcony	53	53	Yes

4 POOL REVERBERATION TIME TESTING

4.1 NOISE MEASUREMENTS TIME

Reverberation time measurements were conducted on the 20th July 2012 between 2pm and 3pm.

4.2 NOISE MEASUREMENTS EQUIPMENT

Noise measurements were obtained using a Norsonic type 140 Sound Analyser was used for the noise measurements. The analyser was set to fast response and calibrated before and after the measurements using a Norsonics Sound Calibrator type 1251. No significant drift was noted.

4.3 REVERBERATION MEASUREMENTS

4.3.1 Applicable Standards Criteria

The internal reverberation times will comply with applicable standards set out in Audio Systems Logics report (Project Ref No. 20111108) and dated 5th December 2011 and presented below:

1. APPLICABLE STANDARDS

Australian/New Zealand Standard AS/NZS 2107-2000 "Recommended design sound levels and reverberation times for building interiors" provides guidelines for acceptable reverberation times within internal spaces. However, AS/NZS 2107-2000 does not provide any specific recommendations for reverberation times within a swimming pool space.

Audio Systems Logic recommends that measures be taken to control the reverberant build-up of noise within a large room with mostly hard reflective surfaces, such as a swimming pool space. The recommended criterion has been presented in Table 1 below.

Table 5 – Recommended Acoustic Parameters

Space	Reverberation Time (T30)
Swimming Pool Room	≤ 2s

4.3.1.1 Measurement Results

The following table presents the measured reverberation times in the space and compares the results against the criteria.

Table 6 – Pool Room Reverberation Time Measurements

Space	Measured Reverberation Time (T30)	Criteria Reverberation Time (T30)	Complies?
Swimming Pool Room	<2s	≤ 2s	Yes

5 CONCLUSION

Acoustic testing has been conducted for Stage 3 of the Anglican Retirement Village at 6-14 Macpherson Street, Warriewood.

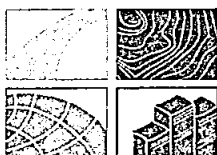
- Floors were found fully comply with the requirements of BCA Part F5.
- Plant noise emissions to other properties were found to generally comply with project specification criteria.
- Internal reverberation times in the pool room fully comply with the criteria set out in Audio Systems Logics report (Project Ref No. 20111108) and dated 5th December 2011

We trust this information is satisfactory. Please contact us should you have any further queries.

Yours faithfully,



Acoustic Logic Consultancy Pty Ltd
Glen Campbell



LAWRENCE group

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29th June, 2012
Ref: 112155

Hansen Yuncken Pty Ltd
Level 6, 15 Bourke Road
MASCOT NSW 2020

Dear Sirs,

Re: Identification Survey
Property No. 6-14 Macpherson Street Warriewood

Acting in accordance with your instructions, we have surveyed for identification purposes only, the land being Lots 1-3 in Deposited Plan 1161389 situated with a primary frontage to Macpherson Street and a secondary frontage to Brands Lane, Warriewood in the Local Government Area of Pittwater, Parish of Narrabeen and County of Cumberland. This letter relates to this transaction only and it is my opinion that:-

1. The subject land is shown by red edging on the accompanying sketch.
2. Standing wholly upon the subject land is a two storey brick and fibre-cement cladded building with roofing of metal.
3. The position of the building in relation to the boundaries is shown on the sketch together with levels of the building on Australian Height Datum.
4. The subject land is affected by easements and other encumbrances as listed upon the relevant titles.
5. For the purposes of this report, the location of the fencing in relation to the boundaries has not been surveyed.
6. During the course of the survey no investigation has been undertaken to determine the existence of any possible subterranean encroachments.
7. The land in this report has been surveyed for identification purposes only. Should any additions or further improvements be erected on the subject property after the date of this report then the boundaries of the land should be marked.

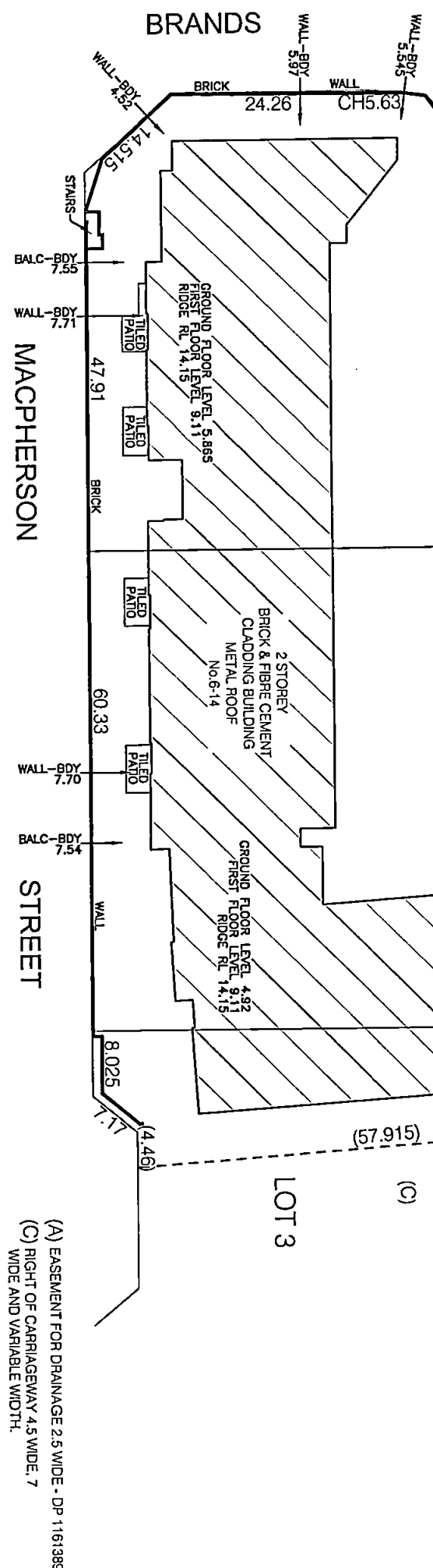
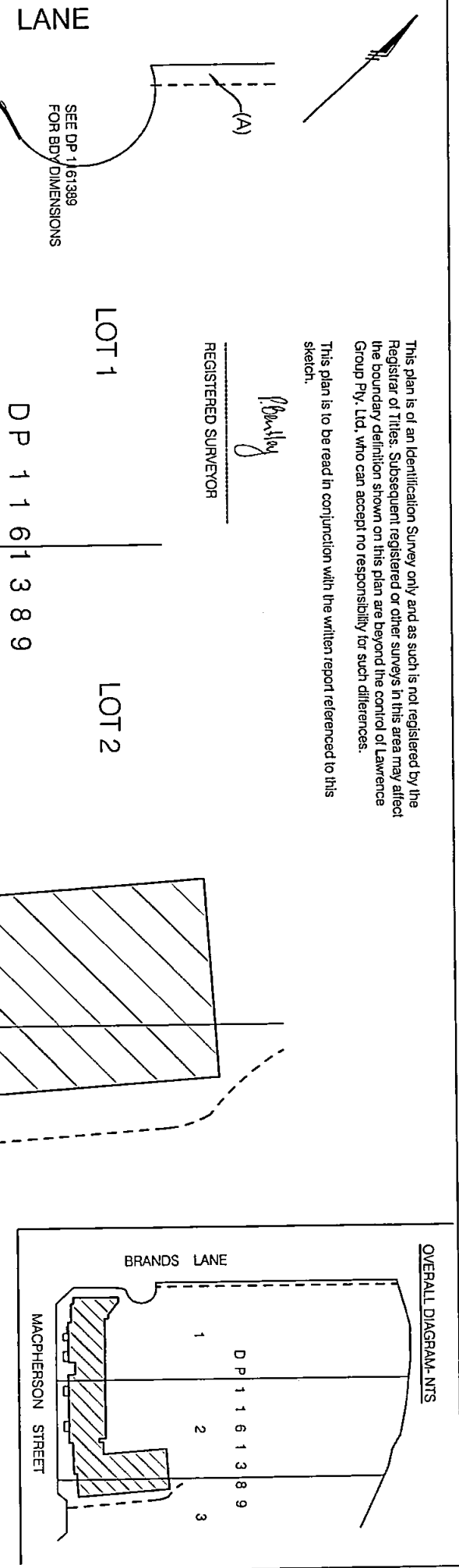
PETER BENTLEY
Surveyor Registered under the Surveying
And Spatial Information Act, 2002.

This plan is of an Identification Survey only and as such is not registered by the Registrar of Titles. Subsequent registered or other surveys in this area may affect the boundary definition shown on this plan and are beyond the control of Lawrence Group Pty. Ltd, who can accept no responsibility for such differences.

This plan is to be read in conjunction with the written report referenced to this sketch.

P. Buckley

REGISTERED SURVEYOR



(A) EASEMENT FOR DRAINAGE 2.5 WIDE - DP 1161389
 (C) RIGHT OF CARRIAGEWAY 4.5 WIDE, 7 WIDE AND VARIABLE WIDTH.

LAWRENCE group Surveyors & Development Consultants Level 3, 240 Queen Street, Brisbane, Queensland Phone: (07) 3250 2000 Fax: (07) 3250 2001 Email: enquiries@lawrencegroup.com.au		CLIENT HANSEN YUNCKEN PTY LTD	
PROJECT 6-14 MACPHERSON STREET WARRIEWOOD		TITLE INFORMATION Title: 1,2&3 Diagram: DP 1161389 Transfer: 1/16/1389 & 2/11/61389 U.S.S. PITWATER C.O.P. MAPPERSEN CUMBERLAND	
DRAWING TITLE IDENTIFICATION SURVEY		QUALITY ASSURANCE Checked: BJ Drawn: GC Checked: PB Approved: PB Date: 29/06/12 Date: 29/06/12	
DATE 11/21/15		SCALE 1:500 DATE 11/21/15	