

Davis Langdon is a member firm of Davis Langdon & Seah International, with offices in: Australia, Bahrain, Botswana, Brunei, China, Croatia, England, Hong Kong, India, Indonesia, Ireland, Japan, Kazakhstan, Korea, Lebanon, Malaysia, New Zealand, Pakistan, Philippines, Qatar, Russia, Scotland, Singapore, South Africa, Spain, Thailand, UAE, USA, Vietnam, Wales.

Final Occupation Certificate

Issued under the Environmental Planning & Assessment Act 1979,
Sections 109C(1)(c), 109H and 109I and
Environmental Planning & Assessment Regulation 2000 – Part 8, Division 3

CDC No. 250127

Certificate No. 250127

1. Details of the applicant

Name Apparelgroup Australia
Address 830 Elizabeth Street, WATERLOO NSW 2017
Contact Tel: 02 8306 3700 Fax: Email:

2. Details of the building

Address Shop 4, 197 Condamine Street, BALGOWLAH NSW 2093
Description of the building Part - Shop 4 (Sportscraft)
Lot No. / Section --
DP / MPS No. --
Volume / Folio --
BCA Classification 6 - Retail

3. Decision of the certifying authority

Decision Approved
Date of this decision 11 June 2009

4. Information attached to this decision

- ☒ A schedule of fire safety measures
- ☒ The final fire safety certificate
- ☒ Schedule "A" – Information relied upon in certificate determination
- ☒ Critical Stage Mandatory Inspection Summary Report

5. Final Occupation Certificate

Brett Clabburn certifies that :

- ☐ the health and safety of the occupants of the building have been taken into consideration (Interim Certificate only)
- ☐ a current development consent has been granted for the development
- ☒ a current complying development certificate has been issued for the development
- ☐ a current 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 as a **Class 6** building
- ☒ a final fire safety certificate has been issued for the relevant part of the building
- ☐ a final fire safety certificate has been issued for the building
- ☐ a final report from the Commissioner of Fire Brigades has been considered

Certificate No. 250127

Date of this certificate 11 June 2009

6. Certifying Authority

Name of Certifying Authority Brett Clabburn

Signature 

Address Davis Langdon Australia Pty Ltd ABN 40 008 657 289
Level 5, 100 Pacific Highway, North Sydney NSW 2060

Contact Tel: (02) 9956 8822 Fax: (02) 9956 8848

Accreditation Body Building Professionals Board

Accreditation No BPB0064



(continued)
Final Occupation Certificate

CDC No. 250127 Certificate No. 250127

7. Schedule A – Information Relied Upon in Certificate Determination

- Davis Langdon Application dated 11 June 2009;
- Final Fire Safety Certificate dated 11 June 2009;
- Base Building Interim Occupation Certificate No. 26080 issued by City Plan Services, dated 25 May 2009;
- Installation Certificate – Sprinklers, Hydrants, Portable Extinguishers, dated 28 May 2009;
- Installation Certificate – Hydraulic Services issued by Justin Geale of Boone & Willard Plumbing, dated 25 May 2009;
- Installation Certificate – Exit & Emergency Lighting and General Electrical, issued by John Giannoulis of Jmn Electrical, dated 27 May 2009;
- Installation Certificate – EWIS, issued by Andrew Mitchell of Heyday Group, dated 4 June 2009;
- Installation Certificate – Glazing, issued by Barry Hunt, dated 2 June 2009;
- Installation Certificate – Mechanical Ventilation, issued by Matthew Eaton of Baratech Air Conditioning, dated 4 June 2009;
- Carpet Test Reports;
- Structural Certificate – Bulkhead.



(continued)
Final Occupation Certificate

CDC No. 250127

Certificate No. 250127

8. Fire safety schedule

To ensure compliance with the requirements of the Environmental Planning & Assessments Act Regulation, the owner of the buildings shall submit to Council/Certifier a certificate of compliance in respect to each essential service required to be installed within the building.

- That the service(s) have been inspected and tested by a person competent to carry out such an inspection test; and
- That the service was or was not (as at the date on which it was inspected and tested) found to have been designed, installed and to be capable of operating to the standard as specified.

Such a certificate is required to be submitted on completion and prior to occupation of the building.

Essential services are required to be installed and maintained to approved operating standards as set out in the schedule attached hereto.

The owner of the building is required to submit to Council at least once in each twelve (12) month period after a certificate has been issued, a further certificate with respect to each essential service installed in the building.

Fire Safety Measure	Standard of Performance	Existing Fire Safety Measures	Altered/Installed Fire Safety Measures
Access panels, doors and hoppers to fire resisting shaft	BCA 2006 C3.13 AS 1905.1 – 2005, AS 1905.2 – 2005	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Automatic activation and manual controls for retail systems	Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Automatic fail safe devices	BCA 2006 Part C3 and D2.21	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Automatic fire detection and alarm system, including mimic panels and red strobe light	BCA 2006 E2.2, Spec E2.2a and AS 1670.1 – 2004, AS 3786 – 1993 as varied by Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Automatic fire suppression system (sprinkler)	BCA 2006 E1.5, Spec E1.5 and AS 2118.1 – 1999 as varied by Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Automatic sliding door operation at mall entries / exits	Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Carpark and retail smoke detection – connection to approved monitoring to a fire station dispatch centre	Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Carpark travel distances	Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Building occupant warning system	Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Egress door for after hours staff	Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Egress path marking on floor of back of house and storage areas and loading dock	Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Emergency lighting	BCA 2006 E.2, E4.4 and AS/NZS 2293.1 – 2005	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emergency lifts, including lift F1 and Building G lift	BCA 2006 E3.4 and AS 1735.2 – 1997 and Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Emergency management plan and fire safety management in use plan	Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Emergency warning and intercommunication system	BCA 2006 E4.9 and AS 1670.4 – 2004, AS 4428.4 – 2004 as varied by Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exit signs	BCA 2006 E4.5, E4.6, E4.8 and AS/NZS 2293.1 – 2005 and Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Fire control centres and access to sprinkler valve and pump room	BCA 2006 E1.8 and Spec E1.8	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fire dampers	BCA 2006 C3.12, C3.15 and AS/NZS 1668.1 – 1998, AS 1668.2 – 1991, AS 1682.1 – 1990, AS 1682.2 – 1990 and Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>



(continued)
Final Occupation Certificate

CDC No. 250127

Certificate No. 250127

Fire Safety Measure	Standard of Performance	Existing Fire Safety Measures	Altered/Installed Fire Safety Measures
Fire doors	BCA 2006 Spec C3.4 and AS 1905.1 – 2005 and Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fire hydrant systems	BCA 2006 E1.3 and AS 2419.1 – 2005 and Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fire seals protecting openings in fire resisting components of the building	BCA 2006 C3.12, C3.15 and Spec C3.15 and Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fire separation of equipment	Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fire separation of tower B & D together with basement carpark and podium level from buildings C, E, F, G, H & L – Horizontal fire separations – Vertical fire separations – Lift doors – Smoke guard containment system – External wall separation and protection of openings	Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gates within security fence in carpark	Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hose reel system	BCA 2006 E1.4 and AS 2441 – 2005 and Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lightweight construction	BCA 2006 C1.8 and Spec C1.8	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Major stores (>1,000m ²) ventilation systems	Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Make up air for retail smoke exhaust	Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Maximum travel distance to single exit or point of choice	BCA 2006 Section D as varied by Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Maximum travel distances in retail mall and major tenancies (>1,000m ²)	Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Maximum travel distances for individual smaller tenancies (<1,000m ²)	Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mechanical air handling system	BCA 2006 E2.2, AS/NZS 1668.1 – 1998 and Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Operation of louvres and doors within the rooflight / pavilion over the escalators to the plaza level and provision of an exit door within this area	Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Portable fire extinguishers	BCA 2006 E1.6 and AS 2444 – 2004	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Population and exit widths	Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Power supply for retail smoke exhaust	Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Retail ceiling heights	Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Separation of escalators and lifts shops connecting carpark levels and retail levels	Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>



(continued)
Final Occupation Certificate

CDC No. 250127

Certificate No. 250127

Fire Safety Measure	Standard of Performance	Existing Fire Safety Measures	Altered/Installed Fire Safety Measures
Smoke baffles between retail mall and specialty shops	Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Smoke baffles to Coles tenancy	Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Smoke baffles to mini major	Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Smoke control system	BCA 2006 E2.2, Spec E2.2b and AS 1668.1 as varied by Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Smoke dampers	BCA 2006 E2.2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Smoke and heat detectors	BCA 2006 E2.2, Spec E2.2a and AS 1670.1 – 2004, AS 3786 – 1993 and Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Smoke doors	BCA 2006 Spec C3.4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Smoke exhaust for major tenancies	Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Smoke exhaust system for retail	Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Smoke seals and doors	Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Smoke separation of retail tenancies smaller than 1,000m ²	Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Stair pressurisation including stair F1 and Building G Stair	BCA 2006 E2.3, AS 1668.1 – 2004 and Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Supply shut down in retail	Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vertical separation of openings in external walls Towers A, C, E, F, G & H	BCA 2006 C2.6 and Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wall wetting sprinkler and drencher systems	BCA 2006 C3.4 and D1.7	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Warning and operational signs	EPA Regulation (reg 183), BCA 2006 E3.3 (lifts), D2.23 Signs on exit doors	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Zone smoke control system	BCA E2.2 and Alternative Solution Report prepared by Defire Ref 20050098 Rev1.5 dated 19 June 2007	<input checked="" type="checkbox"/>	<input type="checkbox"/>



Mandatory Critical Stage Inspection Summary Report (CSI)

Type of Critical Stage Inspection		Please indicate date of inspection carried out for this project	
		Date	Name & Accreditation No.
<input checked="" type="checkbox"/>	At the commencement of the building work	19-Mar-09	Brett Clabburn / BPB0064
<input type="checkbox"/>	After excavation for, and prior to the placement of any footings		
<input type="checkbox"/>	Prior to pouring any in-situ reinforce concrete building element		
<input type="checkbox"/>	Prior to covering of the framework for any floor, wall, roof or other building element		
<input type="checkbox"/>	Prior to covering waterproofing in any wet areas (only 10% for Class 2, 3 & 4 buildings)		
<input type="checkbox"/>	Prior to covering any stormwater drainage connections		
<input checked="" type="checkbox"/>	After the building work has been completed and prior to any occupation certificates being issued in relation to the building	10-Jun-09	Brett Clabburn / BPB0064
Site Details			
Address:		Shop 4, 197 Condamine Street, BALGOWLAH NSW 2093	
DA No.: N/A		CDC No. 250127	
Record of Inspection			
Inspection by other Accredited Certifier: (if not PCA)	Name of Accredited Certifier:		
	Accreditation No.:		
	Has Report by Accredited Certifier been attached? (Yes / No)		
Was work carried out satisfactorily?	Yes		
Notes:	<i>Works as per approval</i>		
Missed Inspection			
Was Inspection missed due to "unavoidable circumstances"?	No	If yes, what are the unavoidable circumstances?	
Principal Contractor	Name:		
	Address:		
	Tel:		
Was all of the works for each stage carried out satisfactorily?	Yes		
Evidence of compliance received:			
Notes:			

Name of PCA:

Brett Clabburn

Signature of PCA

Date: 11 June 2009

Accreditation Number:

BPB0064

**APPLICATION FOR
OCCUPATION CERTIFICATE**

Under Sections 109C (1)(b), 81A (4) of the Environmental Planning and Assessment Act 1979

Level 5 100 Pacific Highway NORTH SYDNEY 2060
T: +61 (2) 9956 8822 F: +61 (2) 9956 8848


Application submitted with
Davis Langdon
Level 5, 100 Pacific Highway
North Sydney NSW 2060
Tel: (02) 9956 8822 Fax (02) 9956 8848

Office Use Only IOC/OC No. _____

Applicant Details

Name Nik Drakonidis
Company HTPARE GROUP
Address 830 Elizabeth St
Waterloo Post Code 2017
Contact numbers Phone: 02 82637000 Mobile: 0412 808080
Email: nik.drakonidis@htparegroup.com.au

By Completing this section I hereby confirm that I am not the Principal Contractor or Builder, See Note 1

Signature of Applicant (Capacity)  Date: 10/6/09

We hereby wish to apply for: ☐ Interim Occupation Certificate ☐ Final Occupation Certificate in respect of this proposal.

Proposal Details

Address Shop 4 Stanford Building
Post Code _____
Lot No, DP, SP, etc Lot No. _____ DP _____

Classification of the building as identified by the Development Consent:

- ☐ Part of building covered under this proposal.
☐ Other parts of the building covered under this proposal.

If this application is for an Interim Occupation Certificate, please complete the following.

Part of the building to be occupied

Shop 4

Date upon which the remainder of the building project is to be completed _____

- Notes: 1 In accordance with Clause 139(1A) and Clause 149(2B) of the EP&A Regs 2000, the applicant cannot be the Principal Contractor or Builder. The applicant is to be the person having the benefit of the Development Consent, for example, the owner, tenant, architect, design or project manager (who is not the builder or Principal Contractor).
2 A Final Occupation Certificate is to be obtained before all of the building / project is occupied.
3 This Application must be accompanied by:
o a copy of the relevant Development Consent; OR Complying Development Certificate;
o a copy of the relevant Construction Certificate;
o a copy of any relevant Fire Safety Certificate;
o a copy of any Compliance Certificate(s) which have been issued.
4 This Application must be delivered by mail, by hand or emailed to our office. Regrettably, we are prevented from receiving these applications by facsimile.

See over

Final / Interim Fire Safety Certificate

Environmental Planning & Assessment Regulation 2000 – Part 8, Division 3

Type of Certificate

Type of certificate issued

☐ Interim

☒ Final

Details of Certificate

Name of Owner/Agent

I,

NIK DRAKOWIS

Address

of

Apparel Group

certify that:

(a) each of the essential fire measures listed below:

- 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 the Building

Street Condamine St, Balgowlah

Side of street

Nearest cross street

House/Unit number 197

Description of the building
(whole or part)

Part – shop 4 Sportscraft

Date of Assessment

Date of assessment

Essential Fire Safety Measures

Fire Safety Measure	Standard	BCA Clause(s)
Automatic fire suppression systems (Fast response)	AS 2118.1 – 1999 & Defire Fire Safety Report	Spec E1.5
Emergency lighting	AS/NZS 2293.1 – 2005	E4.2, E4.4
Emergency warning and intercommunication systems	AS 1670.4 – 2004 AS 4428.4 – 2004 & Defire Fire Safety Report	E4.9, Spec G3.8
Exit signs	AS/NZS 2293.1 – 2005	E4.5, NSW E4.6 & E4.8
Mechanical air handling systems	AS 1668.1 – 1998 AS 1668.2 – 1991	E2.2
Portable fire extinguishers & fire blankets	AS 2444 – 2001	E1.6
Paths of Travel	-	Section D BCA

Date of Certificate

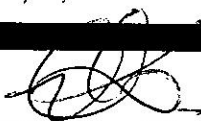
Date of this certificate

10/6/09

Signature

Agent / Owner's Signature

Capacity



- A copy of this certificate together with the relevant fire safety schedule must be forwarded to the Council and the Commissioner of the New South Wales Fire Brigades.
- A copy of this certificate together with the relevant fire safety schedule must be prominently displayed in the building.
- A Fire Safety Certificate is a certificate issued by or on behalf of the owner of the building.

INTERIM OCCUPATION CERTIFICATE NO. 26080

Issued under Part 4A of the Environmental Planning and Assessment Act 1979
Sections 109C(1)(C) and 109H (Occupation/Use of a New Building)

APPLICANT

Name of person having benefit of the development consent: **Tim Beattie - Stockland Development P/L**
Address: **Level 25, 133 Castlereagh St, Sydney 2000**
Contact Details: **Phone: (02) 9035 2764**

OWNER

Name: **Stockland Development Pty Ltd**
Address: **Level 25, 133 Castlereagh St, Sydney 2000**
Contact Details: **Phone: (02) 9035 2764**

DEVELOPMENT CONSENT

Consent Authority/Local Government Area: **Manly Council**
Development Consent No: **DA 101/06 & Section 96 X3**
Date of Development Consent: **31/05/08, 11/03/08, 11/03/08 & 08/07/08**
Construction Certificate No: **CC26080, CC26080/1, CC26080/2, CC26080/4, CC26080/6 & CC26080/10**
Date of Construction Certificate: **06/09/07, 20/03/08, 16/07/08, 21/10/08, 17/02/09 & 18/03/09**

PROPOSAL

Address of land on which the work is to be carried out: **197-215 Condamine St, Balgowlah, NSW**
Building Classification: **Class 2, 6, 7a, 7b & 9b**
Type of Construction: **Type A**
Scope of building works covered by this Notice: **Carpark level 03 Plant areas associated with retail; Carpark Level 2 retail; Carpark Level 1; Level R1 retail, Level R2 retail, Sydney Road vehicular entry and lane 34 excluding loading/parking area.**
Attachments: **Schedule 1**
Fire Safety Schedule: **Schedule 2**
Exclusions: **All other areas**

PRINCIPAL CERTIFYING AUTHORITY

Terrence Gibson for and on behalf of City Plan Services Pty Ltd

ACCREDITATION NUMBER

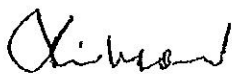
BPB 0136

That I, Terrence Gibson, as the certifying authority, certify that:

- I have been appointed as the Principal Certifying Authority under s109E;*
- A current Development Consent or Complying Development Consent 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 health and safety of the occupants of the building have been taken into consideration where an interim occupation certificate is being issued;*
- 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 or an Interim Final Fire Safety Certificate has been issued for the relevant part of the building;*
- Where required, a report from the Commissioner of Fire Brigades has been considered.*

DETERMINATION

Approval dated this **25th** day of **May** 2009



Terrence Gibson
Consultant

Right of Appeal: Under s109K where the Certifying Authority is Council an applicant may appeal to the Land & Environment Court against the refusal to issue an Occupation Certificate within 12 months from the date of the decision

SCHEDULE 1

1. Attachments to the Interim Occupation Certificate

Title	Prepared By	Reference	Date
Occupation Certificate Application			
Design Certificate – Electrical Services	Hayday Group	-	23.04.09
Design Certificate – Electrical Fire Services	Hayday Group	-	13.05.09
Design Statement – Fire sprinkler system, fire hydrant system, fire extinguishers	Wormald	-	13.05.09
Design Statement – Hydraulic Services	Harris Page & Associates P/L	-	13.05.09
Design Certificate – Hydraulic Drawings	Murray Bryant	-	20.04.09
Design Approval Statement – Civil Roadworks	Manly Council	Dwgs No. C-RW-00 to C-RW07 & C-RW10	22.10.08
Design Certificate – Mechanical Services	Baratech Pty Ltd	-	08.05.09
Design Certificate – Mechanical Services carpark, levels R1 & R2	Baratech Pty Ltd	-	08.05.09
As Built Mechanical Drawings	Baratech Pty Ltd	Dwgs. No. MS-P0-01 to MS-R2-03	-
Section 73 Certificate	Sydney Water	Case No. 105989	05.02.09
Levy Receipt	Long Service Payments Corporation	67018	23.02.09
Receipt re: DA Condition ANS27	Roads & Traffic Authority NSW	1287580	19.06.08
Final Fire Safety Report	NSW Fire Brigades	-	14.05.09
Alternative Solution Report	Defire (NSW) Pty Ltd	Report No. 20050098 R1.9	30.04.09
Alternative Solution Assessment Report – Plant Room Ceiling Heights	BCA Logic	05117-r11/rp	06.05.09
Termite Barrier Warranty	Sherlock Pest Control	2009-5-1300	27.03.09
Installation Certificate – DA Conditions DA9 & DA10	Ward Civil Engineering	-	07.05.09
Installation Certificate – DA Conditions DA10 & DA225	Ward Civil Engineering	-	07.05.09
Design Certification – DA Conditions DA9, DA10 & DA225	BG&E Pty Ltd	-	08.04.09
Email re: DA Condition ANS26	Abigroup Contractors P/L	-	25.03.09
Installation Certificate – DA Conditions ANS15, ANS16, ANS18 & ANS19	Ward Civil Engineering	-	14.05.09
Letter re: Roadwork drawings approval	Roads & Traffic Authority	Dwgs No. C-RW-04 & C-RW-02	06.04.09
Fire Test Report – Décor Trend Acoustic Board	AWTA Product Testing	-	25.01.08

Title	Prepared By	Reference	Date
Certificate of Assessments – Slash Pine Plywood & Hoop Pine Plywood	CSIRO Materials Science and Engineering	1063 & 1064	16.05.08
Letter re: Acoustic Certification	Acoustic Logic Consultancy Pty Ltd	-	14.05.09
Letter re: DA Condition 95	Abigroup Contractors P/L	-	18.05.09
Survey report – Building heights (DA Condition 59)	Stratasurv Pty Ltd	-	April 2009
Survey report – Footings and slab conditions (DA Condition 61)	Stratasurv Pty Ltd	-	20.08.08
Email re: DA Condition DA100	Abigroup Contractors P/L	-	28.04.09
Email re: DA Condition DA102	Abigroup Contractors P/L	-	03.04.09
Correspondence re: DA Conditions DA224, DA225 & DA342	Abigroup Contractors P/L	-	05.02.09
Correspondence re: Plaza Design – DA Conditions ANS02-ANS06	Manly Council	Dwgs No. CD_L_000 to CD_L_110	05.02.09
Letter re: Landscape works compliance	Oculus Pty Ltd	-	15.05.09
Letter re: Hardwood supplied	Australian Ironwood Antique Timbers P/L	-	08.04.09
Design Compliance Certificate - Onsite stormwater detention	BG&E Pty Ltd	Dwg. No. C-STW-05 rev. C	15.05.09
Installation Certificate – Lightweight	Brighton Australia	-	15.05.09
Installation Certificate – Balustrade	Feenix Australia	-	15.05.09
Installation Certificate – Lifts	Schindler Lifts	-	19.05.09
Installation Certificate – Landscape softworks	Bates Landscape (NSW) P/L	-	06.05.09
Installation Certificate – Fire stopping	Fire Stopping P/L	-	06.05.09
Installation Certificate – Structural steel	Sharvain Facades	-	02.05.09
Installation Certificate – Electrical conductors, interior lighting, energy efficiency and energy (non residential)	Heyday Group	-	19.05.09
Installation Certificate – Roof plumbing	Torraca Enterprises	-	01.05.09
Installation Certificate – Masonry works	DJD Brick & Blocklaying P/L	-	28.04.09
Installation Certificate – Stormwater services	Boone & Willard Plumbing	-	15.04.09
Installation Certificate – Hydraulic services	Boone & Willard Plumbing	-	15.04.09
Installation Certificate – Waterproofing	Conceal Concrete Waterproofing P/L	-	08.05.09
Structural Design & Inspection Certificate	Enspan Design P/L	-	15.05.09
Installation Certificate – Tactile indicators	Safespot P/L	-	19.05.09
Installation Certificate – Lightweight partitions and suspended ceilings	Brighton Australia	-	04.05.09

Title	Prepared By	Reference	Date
Fire Test Report – Rotary glasswool insulation blanket	CSR Building Materials Research	340	31.10.96
Fire Test Report – Glasswool building blanket	CSIRO Manufacturing & Infrastructure technology	FNC0353	23.09.05
Letter re: Ozone depleating potential	CSR Bradford Insulation	-	March 2008
Fire Test Report – Flooring	AWTA Textile Testing	2194/1	20.02.04
Fire Test Report – Flooring	AWTA Textile Testing	2194/19	20.02.04
Slip Resistance Test Report	CSIRO Building Construction and Engineering	EN13/739	20.12.00
Slip Resistance Test Report	CSIRO Industrial Research Services	EN13/580	27.10.04
Fire Test Report	CSIRO Manufacturing & Infrastructure technology	FNR0128	08.04.08
Fire Test Report	CSIRO Manufacturing & Infrastructure technology	FNR0140	14.05.04
Slip Resistance Test Report	CSIRO Building Construction and Engineering	EN13/518	06.08.99
Structural Inspection Certificate	BG&E Pty Ltd	-	20.04.09
Installation Certificate – Steel handrail/balustrades	Tie Fabrications Pty Ltd	-	20.04.09
Certificate of Structural Adequacy	M+G Consulting	-	27.04.09
Fire Safety Certificate – Fire rated roller shutters	Thompson's Roller Shutters Pty Ltd	-	30.04.09
Fire Safety Certificate – Fire rated roller shutters	Thompson's Roller Shutters Pty Ltd	-	30.04.09
Final Fire Safety Certificate Access Panels, doors and hoppers to fire resisting shaft Fire doors Separation of retail amenities Smoke doors Smoke seals + doors	Building Products Australia	-	27.04.09
Final Fire Safety Certificate Fire seals protecting openings Fire separation of equipment Separation of loading dock from retail Fire separation of tower B & D together with basement carpark & podium level Separation of retail amenities Separation of travelators & lift shafts Vertical separation of openings in external walls Towers A, C, E, F, G & H	DJD Brick & Blocklaying P/L	-	28.04.09
Final Fire Safety Certificate Fire seals protecting openings Fire separation of tower B & D together with basement carpark & podium level Hose reel system	Boone & Willard Plumbing	-	29.04.09
Interim Fire Safety Certificate Emergency lifts Fire separation of tower B & D together with basement carpark & podium level Warning and Operational Signs	Schindler Lifts	-	30.04.09
Interim Fire Safety Certificate Various essential measures	Wormald	-	12.05.09

Title	Prepared By	Reference	Date
Interim Fire Safety Certificate Various essential measures	Heyday Group Pty Ltd	-	12.05.09
Interim Fire Safety Certificate Various essential measures	Heyday Group Pty Ltd	-	12.05.09
Interim Fire Safety Certificate Various essential measures	Baratech Pty Ltd	-	29.04.09
Final Fire Safety Certificate Fire doors Fire seals protecting openings	Fire Stopping Pty Ltd	-	06.05.09
Final Fire Safety Certificate Automatic sliding doors Egress door operation of louvers and doors Separation of retail amenities Separation of travelators & lift shafts Smoke seals and doors	Sharvain Facades P/L	-	07.05.09
Final Fire Safety Certificate Access panels doors and hoppers Fire seals protecting openings Lightweight Construction Smoke separation of small retail tenancies	Brighton Australia	-	05.05.09
Final Fire Safety Certificate Various essential measures	Brighton Australia	-	15.05.09
Final Fire Safety Certificate – Overall	Abigroup Contractors P/L	-	12.05.09
Inspection Report	Defire (NSW) P/L	-	25.05.09
Inspection Report – Commencement	City Plan Services	-	10.09.07
Inspection Report – Stormwater	City Plan Services	-	25.03.09
Inspection Report – Final	City Plan Services	-	25.05.09

SCHEDULE 2
FIRE SAFETY SCHEDULE

FIRE SAFETY MEASURES	STANDARD OF PERFORMANCE
Access Panels, doors and hoppers to fire resisting shaft	BCA 2006 C3.13; Building L community club & Building G Gym BCA 2008 C3.13; AS1905.1-2005, AS1905.2-2005
Automatic activation and manual controls for retail systems	Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Automatic fail safe devices	BCA 2006 Part C3 & D2.21; Building L community club & Building G Gym BCA 2008 Part C3 & D2.21
Automatic fire detection and alarm system, including mimic panels + red strobe light	BCA 2006 E2.2, Spec E2.2a; Building L community club & Building G Gym BCA 2008 E2.2, Spec E2.2a; AS1670.1-2004; AS3786-1993; as varied by Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Automatic fire suppression system (sprinkler)	BCA 2006 E1.5, Spec E1.5; Building L community club & Building G Gym BCA 2008 E1.5, Spec E1.5; AS2118.1-1999 as varied by Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Automatic sliding door operation at mall entries/exits	Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Carpark & retail smoke detection – connection to approved monitoring to a fire station dispatch centre	Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Carpark travel distances	Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Building occupant warning system	BCA2006 Spec E2.2a as varied by Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Egress door for after hours staff	BCA 2006 D2.19, D2.20 & D2.21 and Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Egress path marking on floor of back of house + storage areas and loading dock	Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Emergency lighting	BCA 2006 E4.2, E4.4; Building L community club & Building G Gym BCA 2008 E4.2, E4.4; AS/NZS2293.1-2005
Emergency Lifts, including lift F1 and Building G Lift	BCA 2006 E3.4 & AS1735.2-1997 & Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Emergency Management Plan and Fire Safety Management in use Plan	Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Emergency warning and intercommunication system	BCA 2006 E4.9 & AS1670.4-2004, AS4428.4-2004 as varied by Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Exit signs	BCA 2006 E4.5, E4.6, E4.8; Building L community club & Building G Gym BCA 2008 E4.5, E4.6, E4.8; AS/NZS2293.1-2005 & Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09

FIRE SAFETY MEASURES	STANDARD OF PERFORMANCE
Fire Control Centres and access to sprinkle valve and pump room	BCA 2006 E1.8 & Spec E1.8
Fire dampers	BCA 2006 C3.12, C3.15; Building L community club & Building G Gym BCA 2008 C3.12, C3.15; AS/NZS1668.1-1998, AS1668.2-1991, AS1682.1-1990, AS1682.2-1990 & Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Fire doors	BCA 2006 Spec C3.4; Building L community club & Building G Gym BCA 2008 Spec C3.4; AS1905.1-2005 & Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Fire hydrant systems	BCA 2006 E1.3; Building L community club & Building G Gym BCA 2008 E1.3; AS2419.1-2005 & Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Fire seals protecting openings in fire resisting components of the building	BCA 2006 C3.12, C3.15 & Spec C3.15; Building L community club & Building G Gym BCA 2008 C3.12, C3.15 & Spec C3.15; & Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Fire separation of equipment	Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Fire separation loading dock from retail	Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Fire Separation of tower B & D together with basement carpark + podium level from buildings C, E, F, G, H + L - Horizontal fire separations - Vertical fire separations - Lift doors - Smoke guard containment system - External wall separation and protection of openings	Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Gates within security fence in carpark	Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Hose reel system	BCA 2006 E1.4; Building L community club & Building G Gym BCA 2008 E1.4; & AS2441-2005 Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Lightweight construction	BCA 2006 C1.8 & Spec C1.8; Building L community club & Building G Gym BCA 2008 C1.8 & Spec C1.8
Major stores (>1,000 m2) ventilation systems	Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Make up air for retail smoke exhaust	Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Maximum travel distance to single exit or point of choice	BCA 2006 Section D as varied by Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Maximum travel distances in retail mall & major	Alternative Solution Report prepared by Defire

FIRE SAFETY MEASURES	STANDARD OF PERFORMANCE
tenancies (>1,000 m2)	Ref. 20050098 Rev1.8 dated 08.04.09
Maximum travel distances for individual smaller tenancies (<1,000 m2)	Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Mechanical air handling system	BCA 2006 E2.2; Building L community club & Building G Gym BCA 2008 E2.2; AS/NZS1668.1-1998 & Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Operation of louvers and doors within the rooflight/pavilion over the escalators to the plaza level and provision of an exit door within this area	Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Portable fire extinguishers	BCA 2006 E1.6; Building L community club & Building G Gym BCA 2008 E1.6 & AS2444-2004
Retail Population + Exit widths	Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Power supply for retail smoke exhaust	BCA 2008 E2.2b and AS/NZS1668.1-1998 & Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Retail ceiling heights	Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Separation of travelators & lifts shafts connecting carpark levels + retail levels	Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Separation of retail amenities from fire isolated passageway R09	Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Smoke baffles between retail mall and specialty shops	Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Smoke baffles to Coles tenancy	Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Smoke baffles to mini major	Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Smoke control System	BCA 2006 E2.2, Spec E2.2b & AS1668.1 as varied by Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Smoke dampers	BCA 2006 E2.2
Smoke detectors and heat detectors	BCA 2006 E2.2, Spec E2.2a & AS1670.1-2004, AS3786-1993 & Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Smoke doors	BCA 2006 Spec C3.4
Smoke exhaust for major tenancies	Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Smoke exhaust system for retail & mall	Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Smoke guard containment curtains to lift doors in carpark and retail levels where the shafts also connect storeys above the podium	Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Smoke seals + doors	Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Smoke separation of retail tenancies smaller than 1,000 m2	Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Stair pressurisation including stair F1 + Building G	BCA 2006 E2.3, AS1668.1-2004 & Alternative

FIRE SAFETY MEASURES	STANDARD OF PERFORMANCE
stair	Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Supply air shut down in retail	Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Supplementary block plans installed in all fire isolated stairs at each carpark level	Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Vertical separation of openings in external walls Towers A, C, E, F, G & H	BCA2006 C2.6 & Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Wall wetting sprinkler and drencher systems	BCA 2006 C3.4 & D1.7 & Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Warning and operational signs	EPA Regulation (reg 183), BCA E3.3 (lifts), D2.23 Signs on exit doors
Deletion of zone smoke control system	Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09
Unprotected load bearing internal and external steel columns of the podium roof structure above the lift and escalator	Alternative Solution Report prepared by Defire Ref. 20050098 Rev1.8 dated 08.04.09

INSTALLATION CERTIFICATION

PROJECT: THE VILLAGE, BALGOWLAH

ADDRESS: 197-215 CONDRAMINE ST, BALGOWLAH 2093

Pursuant to the provisions of Clause A2.2(a)(iii) of the Building Code of Australia Vol 1.

I, **Anthony Rocca** of **Tyco Fire & Security t/a Wormald**
(Name of Certifier) (Firm)

Unit 1 2-8 South Street Rydalmere 2116
(Address)

hereby certify:-

That the **Fire Sprinklers, Fire Hydrant and Fire Extinguishers** installed in the below tenancies complies with:-

- a) The relevant clauses of the Building Code of Australia,
E1.5, E1.3 and E1.6
- b) The architectural/services/structural plans and specifications approved by the Accredited Certifier and released for construction.
- c) The relevant Australian Standards listed in the Building Code of Australia (Specification A1.3)
- d) The following Australian Standards: **AS 2118.1-1999, AS 2419.1-2005 & AS 2444-2001**
- e) Other practices or standards relied upon for this certification: **Defire Alternative Rev 1.8**
- f) Exclusions: **YES/NO**

Tenancy No.	Tenancy Name
Coles	Coles
Vintage Cellars	Vintage Cellars
Shop K01	Cas Dei Café
Shop K04	Norton St. Grocer
Shop 1	Veronika Maine
Shop 2-3	Witchery
Shop 4	Sportscraft
Shop 5	Laura Ashley
Shop 6	Nine West
Shop 7	Lorna Jane
Shop 8	Okaidi
Shop 9-10	Escape Skin Bar
Shop 11	La More & Spa
Shop 12	Westpac

Shop 13	Mr Minit
Shop 14	Little's Dry Cleaners
Shop 15	Moorish
Shop 16	Balgowlah Fish Market
Shop 17	Bakers Delight
Shop 18	Café
Shop 19/20	Adairs
Shop 21-22	Dick Smith
Shop 23	Cards & Gifts
Shop 24	Berkerlow Books
Shop 25	Dare
Shop 26	Nina's Homewares
Shop 27	Sunday Rose
Shop 28	Flight Centre
Shop 29	Flowers For Everyone
Shop 30-31	Le Petite Lorraine

Shop 32-33	Craig Cook Meats
Shop 34	Healthy Life
Shop 35	Sushi Bar
Shop 36	Michel's Patisserie
Shop 37	OPSM
Shop 38	3 Mobile
Shop 39	John Brenan
Shop 40	T-Life
Shop 41	EB Games
Shop 42	Kodak
Shop 43	Mandarin Massage

Shop 44	Leading Edge Jewellers
Shop 45-46	Lin & Barrett
Shop 47	Blue Illusion
Shop 48	AV Simon
Shop 49	OptusYes
Shop 50 -51	Roaming Bird
Shop 72	Norton St
Shop 73	Pharmacy Select
Shop 74	Double Bay Clothing
Shop 75	Supanews

Full Name of Certifier:Anthony Rocca.....

Qualifications and experience:.....Project Manager.....

Address of Certifier: Unit 1 2-8 South Street Rydalmere 2116.....

Phone numbers: Bus....(02) 96388500.....FAX....(02) 9638 8599

Signature:

Date: 28/5/07

INSTALLATION CERTIFICATION / RETAIL TENANCIES

PROJECT: THE VILLAGE, BALGOWLAH

ADDRESS: 197-215 CONDAMINE ST, BALGOWLAH 2093

Pursuant to the provisions of Clause A2.2(a)(iii) of the Building Code of Australia Vol 1.

I, Justin Geale, of Boone & Willard Plumbing
(Name of Certifier) (Firm)

Unit 13 / 5 Meridian Pl. Baulkham Hills
(Address)

hereby certify:-

That the Hydraulic services (building work/element) installed in the building project comply with:-

- a) The relevant clauses of the Building Code of Australia,
.....
- b) The architectural/services/structural plans and specifications approved by the Accredited Certifier and released for construction.
- c) The relevant Australian Standards listed in the Building Code of Australia (Specification A1.3)
- d) The following Australian Standards: AS 3500.....
- e) Other practices or standards relied upon for this certification:.....
.....
- f) Exclusions: NO.....

Full Name of Certifier: Justin Geale.....

Qualifications and experience: 20 years Licenced Plumber.....

Address of Certifier: Unit 13 / 5 Meridian Pl. Baulkham Hills.....

Phone numbers: Bus 8883 0177 Fax 9836 4930 Mob 0419 402 621.....

Signature: 

Date: 25/05/09...

The Village, Balgowlah

Tenancy Handover Schedule

Stockland Shop No.	Tenancy Name
Coles	Coles
Vintage Cellars	Vintage Cellars
Shop K01	Cas Dei Café
Shop K02	
Shop K03	
Shop K04	Norton St
Shop K05	
Shop 1	Veronika Maine
Shop 2/3	Witchery
Shop 4	The Sportscraft
Shop 5	Laura Ashley
Shop 6	Nine West
Shop 7	Lorna Jane
Shop 8	Okaidi
Shop 9	Escape Active Skinbar
Shop 10	Escape Active Skinbar
Shop 11	Neo Nails
Shop 12	Westpac
Shop 13	Mr Minit
Shop 14	Lawrence Dry Cleaners
Shop 15	Moreish Foods
Shop 16	balgowlah seafood
Shop 17	Bakers Delight
Shop 18	Balgowlah Café
Shop 19/20	Adairs
Shop 21	Dick smith
Shop 22	Dick smith
Shop 23	Fab cards & Gifts
Shop 24	Book Shop
Shop 25	29 Dare
Shop 26	Nina,s
Shop 27	Sunday Rose
Shop 28	Flight Centre
Shop 29	Flowers for Everybody
Shop 30/31	La Petite Lorraine
Shop 32/33	Prime Quality Meats
Shop 34	Healthy Life
Shop 35	Sushi Bar
Shop 36	Michels Patisserie
Shop 37	OPSM
Shop 38	3 Mobile
Shop 39	John Brennan Hair
Shop 40	Telstra
Shop 41	EB Games
Shop 42	Kodak Express
Shop 43	Mandarin Massage
Shop 44	Leading Edge
Shop 45/46	Lin & Barrett
Shop 47	Blue Illusion

Shop 48	Eyedonist	
Shop 49	Optus	
Shop 50	Take Away Foods	
Shop 51	Take Away Foods	
Shop 61		Level 1
Shop 62		Level 1
Shop 63/64		Level 1
Shop 65		Level 1
Shop 66		Level 1
Shop 67	Fitness First	Level 1
Shop 68		Level 1
Shop 69		Level 1
Shop 70		Level 1
Shop 71	Centre M'ment	Level 1
Shop 72	Norton St Grocer	
Shop 73	Pharmacy Select	
Shop 75	Supanews	

Note: Fitout durations are calculated based on completion of tenancy fitout by 28/4/09



UNIT 21/47-51 LORRAINE STREET PEAKHURST NSW 2210
PO BOX 839 RIVERWOOD NSW 2210 / TEL: (02) 9584 9699 FAX: (02) 9584 8253

To: Nick Drakoulis
Apparel Group
830 Elizabeth Street
WATELOO NSW 2017

Date: Wednesday 27th May 2009

Re: Sportsraft Balgowlah / Shop 4 / Stocklands Mall / 197-215 Condamine Street, BALGOWLAH NSW

JMN Electrical Pty Ltd - Licence Number: 184852C

We hereby confirm that our company Jmn Electrical Pty Limited has carried out the electrical installation for the above mentioned project.

We confirm that all works carried out were and are in accordance with the Australian Standards and the relevant Development Consent Conditions:

- Emergency Lighting - Clause E4-2 & E4-4 of BCA
& AS/NZS 2293.1:1998
- Exit Signs - Clause E4-5, 4-6 and E4-8 of BCA
& AS/NZS 2293.3-1995/Amdt 1-1998
- Electrical Installation - AS3000:2000 AS 2419.1

Should you require any further information, please do not hesitate in contacting the undersigned.

Yours faithfully,

John Giannoulis

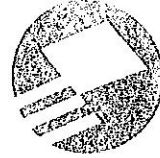
Jmn Electrical Pty Ltd

Tel: 02 9584 9699

Fax: 02 9584 8253

Mob: 0408 28 7000

Email: j.giannoulis@jmnelectrical.com.au



Heyday Group Pty Ltd
ABN 82 121 276 168

ACC Technologies
Heyday Communications
Heyday Electrics
Heyday Fire Technologies

9 Waterloo Road
North Ryde NSW 2113

Telephone (02) 9855 6666
Facsimile (02) 9855 6655
Email info@heyday.com.au

INSTALLATION CERTIFICATION

PROJECT: THE VILLAGE, BALGOWLAH

ADDRESS: 197-215 CONDAMINE ST, BALGOWLAH 2093

Pursuant to the provisions of Clause A2.2(a)(iii) of the Building Code of Australia Vol 1.

I.....Andrew Mitchell.....of..... Heyday Group
(Name of Certifier) (Firm)

.....9 Waterloo Rd, North Ryde, NSW, 2113.....
(Address)

hereby certify:-

That the ... ewis system... installed in the building project (SHOP 4) complies with:-

- a) The relevant clauses of the Building Code of Australia,
.....BCA 2006 Clause E4.9.....
- b) The architectural/services/structural plans and specifications approved by the Accredited
Certifier and released for construction.
- c) The relevant Australian Standards listed in the Building Code of Australia
(Specification A1.3)
- d) The following Australian Standards:.....AS1670 Pt 4 2004
- e) Other practices or standards relied upon for this certification:....NIL.....
- f) Exclusions: YES/NO.....NIL.....

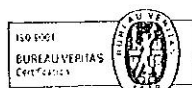
Full Name of Certifier:Andrew Mitchell.....

Qualifications and experience:.....Electrician.....

Address of Certifier:c/o 9 Waterloo Rd, North Ryde, 2113.....

Phone numbers: Bus...98556666...Fax...98556691...Mob...0416076835...

Signature:..... Date.....4th June 2009.....



A Member Of The Hashi Group

BARRY HUNT

Trading as: Baztan Industries Pty Ltd

As Trustee for the Hunt Family Trust

ABN 64 903 145 468

Shopfront glazing – Colourback glass, Mirror, Glass Replacement.

Lic No. 156111C Mobile 0400826675 Ph/Fax 02 43826675

ABN 64 903 145 468

Email baz.tan@bigpond.com

76A Hillside Road

Avoca Beach NSW 2251

To The Apparel Group

C/- Nik Drakoulis

Fax no.

Date: 2nd June 2009

Re: Sportscraft Balgowlah.

I Barry Hunt would like to certify that all glazing by me. Conforms to Australian
Glazing Standard AS1288/06.

Yours sincerely,

Barry Hunt

INSTALLATION CERTIFICATION

PROJECT: THE VILLAGE, BALGOWLAH

ADDRESS: 197-215 CONDAMINE ST, BALGOWLAH 2093

Pursuant to the provisions of Clause A2.2(a)(iii) of the Building Code of Australia Vol 1.

I Matthew Eaton of Baratech Pty Ltd

9 Sefton Rd Thornleigh NSW 2120

hereby certify:-

That the mechanical services for the shop fit out retail area installed in the building project comply with:-

- a) The relevant clauses of the Building Code of Australia,
AS4254 BCA Spec 1.10
BCA 2006 J3.5 for DA101/06 BCA 2008 J3.5 for DA314/07
BCA 2006 J5.2, J5.3, J5.4, J5.5 & NSW J(A)5.2 for DA101/06
BCA 2008 J5.2, J5.3, J5.4, J5.5, & for DA314/07
BCA J1.2
BCA J1.2©
BCA NSW J(A)5.2 & NSW J8.2
- b) The architectural/services/structural plans and specifications approved by the Accredited Certifier and released for construction.
- c) The relevant Australian Standards listed in the Building Code of Australia (Specification A1.3)
AS4254
AS1668.2 – 2002
AS1668.1 - 1998
- d) The following Australian Standards:
- e) Other practices or standards relied upon for this certification:

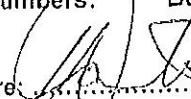
Alternative solution report prepared by:
Defire Ref 20050098 Revision 1.8 dated 08.04.2009
- f) Defire alternative solution report version R1.8
- g) Exclusions: YES/NO NO

Full Name of Certifier: MATTHEW EATON

Qualifications and experience: M. AIRAH, M. ASHRAE, M. CIBSE

Address of Certifier: 9 Sefton Rd THORNLEIGH NSW 2120

Phone numbers: Bus 9875 3088 Fax 9875 4300 Mob 0423 025 896

Signature:  Per M. Eaton
Date 4/06/2009

ABBOT DESIGN PTY LTD

A.B.N 29091 868 567

Consulting Civil, Structural, Hydraulic & Design Engineers
Project Managers

9 June 2009

Sidgreaves Group
101 Young Street
Annandale NSW 2038

CERTIFICATION

Re: Shopfront, Ceiling & Bulkheads
For: Sportscraft, Shop 4, The Village Shopping Centre Balgowlah

Dear Sir,

This is to certify that a Structural Engineering inspection at the above shop has been carried out on Tuesday, 9 June 2009.

The shop is occupied by Sportscraft. This certificate does not cover other elements of the shop fit out where carried out by others.

Certification is hereby given to the structural adequacy of the work carried out.

Yours faithfully,



M. J. McDonald
Accredited Structural Certifier
Chartered Structural Engineer
N.P.E.R.3. Reg.No.393553

Sydney
419 Pacific Highway
Asquith NSW 2077
PO Box 651 Hornsby NSW 1630
Tel: (02) 9476 5308 Fax: (02) 9476 6152

Brisbane
PO Box 694
Stones Corner QLD 4120
Mobile: 0414 355 185

Newcastle
6 Proctor Street
Tighes Hill NSW 2297
Email: abbotdesign@optusnet.com.au

Melbourne
28 Heatherlea Crescent
East Keilor VIC 3033
PO Box 312 Niddrie VIC 3042
Tel: (03) 9331 1859 Fax: (03) 9331 2049

ABBOT DESIGN PTY LTD

A.B.N 29091 868 567

Consulting Civil, Structural, Hydraulic & Design Engineers
Project Managers

9 June 2009

Sidgreaves Group
101 Young Street
Annandale NSW 2038

CERTIFICATION

Re: Shopfront Glazing

For: Sportscraft, Shop 4, The Village Shopping Centre Balgowlah

Dear Sir,

At your request an inspection was carried out of the shopfront glazing on Tuesday, 9 June 2009.

The shop is presently occupied by Sportscraft. This certificate does not cover other elements of the shop fit out where carried out by others.

The work complies with current B.C.A. and S.A.A. code standards, including the code requirements of AS1288 and AS2208.

Certification is hereby given to the structural elements supporting the glazing and the glazing which is inclusive of design, manufacture and installation at the above shop.

Yours faithfully,



M. J. McDonald
Accredited Structural Certifier
Chartered Structural Engineer
N.P.E.R.3. Reg.No.393553

Sydney
419 Pacific Highway
Asquith NSW 2077
PO Box 651 Hornsby NSW 1630
Tel: (02) 9476 5308 Fax: (02) 9476 6152

Brisbane
PO Box 694
Stones Corner QLD 4120
Mobile: 0414 355 185

Newcastle
6 Proctor Street
Tighes Hill NSW 2297
Email: admin@abotdesign.com.au

Melbourne
28 Heatherlea Crescent
East Keilor VIC 3033
PO Box 312 Niddrie VIC 3042
Tel: (03) 9331 1859 Fax: (03) 9331 2049



UNIT 21/47-51 LORRAINE STREET PEAKHURST NSW 2210
PO BOX 839 RIVERWOOD NSW 2210 / TEL: (02) 9584 9699 FAX: (02) 9584 8253

To: Nick Drakoulis
Apparel Group
830 Elizabeth Street
WATELOO NSW 2017

Date: Wednesday 27th May 2009

Re: Sportsraft Balgowlah / Shop 4 / Stocklands Mall / 197-215 Condamine Street, BALGOWLAH NSW

JMN Electrical Pty Ltd - Licence Number: 184852C

We hereby confirm that our company Jmn Electrical Pty Limited has carried out the electrical installation for the above mentioned project.

We confirm that we have installed the light fittings supplied by Aglo Systems Pty Ltd for the above project in accordance with the calculations prepared by Aglo Systems Pty Ltd as per their letter dated 12th December 2008.

Should you require any further information, please do not hesitate in contacting the undersigned.

Yours faithfully,

John Giannoulis

Jmn Electrical Pty Ltd

Tel: 02 9584 9699

Fax: 02 9584 8253

Mob: 0408 28 7000

Email: j.giannoulis@jmnlectrical.com.au

**LABORATORY****No. 04/1891Z**

(Please quote this number in all correspondence)

CLIENT:
Cavalier Bremworth Limited
P O Box 97 040
Papatoetoe
AUCKLAND

SAMPLE RECEIVED FROM:
Cavalier Bremworth Limited

Date: 23.08.04

SAMPLE DESCRIPTION:
1 X Carpet Trojan 352

Attn: P Leyland

Client Order No.:

Client Reference:

1/2

BS EN ISO 9239-1:2002(E) REACTION TO FIRE TESTS FOR FLOORINGS.
(AS ISO 9239.1 -- 2003)

Part 1. Determination of the burning behaviour using a radiant heat source.

These test results relate only to the behaviour of the product under the particular conditions of the test, and they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

Conditioning (EN 13238) : Constant weight @ 50±5 %RH, 23±2 °C.

Test Conditions :

Test date: 17.11.04

Pilot flames from line burner.

Substrate:- 4.5mm cement board.

Assembly System:- Loose laid over waffle underlay

Sampling :- Test samples cut from sample as supplied.

Results: After cleaning in accordance with ISO 11379 Laboratory Cleaning Procedure - using spray extraction.

Warp direction. initial test – Critical Heat Flux (CHF) = 9.0 kW/m².

Weft direction. initial test – Critical Heat Flux (CHF) = 8.8 kW/m².

Weft direction

Sample	CHF (At flame out)	Test Duration (At flame out)	Heat flux kW/m ² at			Burn Length (cm)
			10 mins	20 mins	30 mins	
Specimen 1	8.8 kW/m ²	5 mins	-	-	-	22
Specimen 2	7.2 kW/m ²	6 mins	-	-	-	29
Specimen 3	8.1 kW/m ²	5 mins	-	-	-	25
Average	8.0 kW/m ²	5 mins	-	-	-	25

Observations: Samples singed and then ignited.

L A Greer, Testing Manager
Signatory

14/07/2006



LABORATORY

No. 04/1891Z

(Please quote this number in all correspondence)

CLIENT:
Cavalier Bremworth Limited
P O Box 97 040
Papatoetoe
AUCKLAND

SAMPLE RECEIVED FROM:
Cavalier Bremworth Limited

Date: 23.08.04

SAMPLE DESCRIPTION:
1 X Carpet Trojan 352

Attn: P Leyland

Client Order No.:

Client Reference:

2/2

BS EN ISO 9239-1:2002(E) REACTION TO FIRE TESTS FOR FLOORINGS.
(AS ISO 9239.1 – 2003)

Distance Burnt mm	Time for each Specimen to reach marker (mins)		
	1	2	3
50	2.06	2.09	2.10
100	2.11	2.12	2.21
150	2.32	2.43	2.49
200	2.53	3.08	2.14
250		3.22	3.41

Appendix A Smoke Measurement

Specimen	Direction of test	maximum %	%. x min.
Initial Test	Warp	11.5	63
1	Weft	13.3	66
2	Weft	16.5	64
3	Weft	13.8	68
Average of 3 samples (1 to 3)		14.5	66

L A Greer, Testing Manager
Signatory

14/07/2006



WRONZ DEVELOPMENTS LTD

Private Bag 4749, Christchurch, New Zealand

Telephone (+3) 325 2421 Fax (+3) 325 2717

Location: Corner Springs Road and Gerald Street, Lincoln, Canterbury



WDL is the commercial subsidiary company of

Wool Research Organisation of New Zealand (Inc.)

TEXTILE TESTING LABORATORY REPORT

No. 96/141

CLIENT
Cavalier Bremworth Limited
P O Box 97 040
AUCKLAND

SAMPLE RECEIVED FROM:
Cavalier Bremworth Limited

Date: 23/1/96

SAMPLE DESCRIPTION
1 x Carpet
Trojan 352

Attn: A Bergman

Client Order No.:

Client Reference:

1/2

STANDARD METHOD	TEST DESCRIPTION	RESULT	UNIT
-----------------	------------------	--------	------

BS 4790 - 1987 EFFECTS OF A SMALL SOURCE OF IGNITION ON TEXTILE FLOORCOVERINGS (HOT METAL NUT METHOD)

Mounting Method: Loose Laid

Results	Sample 1	Sample 2	Sample 3
Time time (seconds from application of nut to extinction of flame	Did not ignite	Did not ignite	Did not ignite
The time (seconds) of any afterglow and/or smouldering after nut removal and extinction of flame	0	0	0
Time for effects of ignition to reach edge of clamping ring (seconds)	No effects of ignition reached the edge of the clamping ring on any sample		
Radius of affected area (surface) mm	20	20	20
(underside) mm	15	15	15

The test results relate only to the behaviour of the test specimen after application of a small ignition source; they shall not be used as a means of assessing how the product will contribute to an established fire.



All tests reported herein have been performed in accordance with the laboratory's terms of registration

29/01/96

L A Greer, Testing Manager
Signatory

Date

TERMS AND CONDITIONS: The client, upon receipt of this Report is deemed to accept the Terms and Conditions printed on the reverse of this Report.

WDL

WRONZ DEVELOPMENTS LTD

Private Bag 4749, Christchurch, New Zealand

Telephone (+3) 325 2421 Fax (+3) 325 2717

Location: Corner Springs Road and Gerald Street, Lincoln, Canterbury



WDL is the commercial subsidiary company of
Wool Research Organisation of New Zealand (Inc.)

TEXTILE TESTING LABORATORY REPORT

No. 96/141

CLIENT
Cavalier Bremworth Limited
P O Box 97 040
AUCKLAND

SAMPLE RECEIVED FROM:
Cavalier Bremworth Limited

Date: 23/1/96

SAMPLE DESCRIPTION
1 x Carpet
Trojan 352

Attn: A Bergman

Client Order No.:

Client Reference:

2/2

STANDARD METHOD	TEST DESCRIPTION	RESULT	UNIT
-----------------	------------------	--------	------

BS 5287:1988 ASSESSMENT AND LABELLING OF TEXTILE FLOOR COVERINGS TESTED TO BS 4790

When tested according to the appropriate method of BS 4790 this floor covering has a low radius (35 mm or less) of effects of ignition.

The principle of BS 4790 is that a stainless steel nut heated at 900 °C is placed on the use surface of the test material and the greatest radius of the effects of ignition from the point of application of the nut is measured on both use-surface and under surface.

- 35 mm or less can be described as 'low radius of effects of ignition' and indicates that if the material is ignited from a small source (eg lighted match or glowing coal, it will not spread flame under normal conditions in the absence of supporting thermal radiation.
- > 35 mm and up to 75 mm - 'medium radius of effects of ignition' and indicates will spread flame to a limited extent only.
- > 75 mm - 'high radius of effects of ignition' indicates the material will ignite and may continue to spread



All tests reported
herein have been
performed in
accordance with the
laboratory's terms
of registration

29/01/96

L A Greer, Testing Manager
Signatory

Date

TERMS AND CONDITIONS: The client, upon receipt of this Report is deemed to accept the Terms and Conditions printed on the reverse of this Report.

Norges brann tekniske
laboratorium as
(Norwegian Fire Research Laboratory)

Address: N-7465 Trondheim, Norway
Location: Tiller Bru, Tiller

Telephone: +47 73 59 10 78
Fax: +47 73 59 10 44
E-mail: nbl@nbl.sintef.no
Internet: nbl.sintef.no

Enterprise No.: NO 982 930 057 MVA

TITLE / TEST METHOD

Fire testing of Trojan Twist #352 according to
IMO FTPC Part 2, ISO 5659-2:1994

PRODUCT NAME

Trojan Twist #352

CLIENT(S)

Tranz Rail Ltd.
Interisland Line,
Private Bag,
Wellington,
New Zealand

CLIENT'S REF.

Brian Anderson

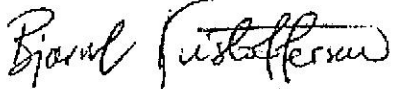
PROJECT NO.

102010.60/03.044


ELEKTRONIC FILE CODE

h:\proj\102010\60\03044\1
TranzRail_report103044_030225.doc

TASK MANAGER (NAME, POSITION, SIGN.)


Bjarne Kristoffersen, Senior Engineer

APPROVED BY (NAME, POSITION, SIGN.)


Anne Steen Hansen, Discipline Manager

REPORT DATE

2003-02-25

TEST DATE

2003-02-21

TOTAL NO. OF PAGES

8

ABSTRACT:

The product **Trojan Twist #352** was tested according to IMO FTPC Part 2 /
ISO 5659-2:1994.

Test results are given in Appendix I.

The product **Trojan Twist #352** satisfies the criteria to materials with low smoke production and
low smoke toxicity according to IMO FTPC Part 2.

The results presented in this test report may only be quoted in full.

Excerpts may be quoted only with the written permission of Norges brann tekniske laboratorium as (Norwegian Fire Research Laboratory),
SINTEF.

The test results referred to in this report relate only to the items tested.

Test reports from Norges brann tekniske laboratorium as (Norwegian Fire Research Laboratory), SINTEF, form the basis of fire technical
classifications, certifications and approvals.

PRODUCT DESCRIPTION:

<i>Type of product:</i>	Tufted Hardtwist Cut Pile Carpet
<i>Manufacturer, place of production:</i>	Cavalier Bremworth Ltd. – Auckland, New Zealand
<i>Sampling:</i>	The tested material was selected by the client. The material subjected for testing arrived at Norges branntekniske laboratorium as (NBL) at 2003-02-03.
<i>Test specimens:</i>	<p>9 specimens of Hardtwist Cut Pile Carpet with dimensions 75 mm x 75 mm, thickness approximately 10 mm. Measured square density approximately 2,8 kg/m². Colour: dark blue.</p> <p>Information from client: Primary and secondary backing of woven polypropylene and jute 270 g/m² respectively. Pile content, thickness and nominal weight: 100% wool, 7,0 mm (± 10%) and 1630 g/m² (± 5%) respectively.</p>

TESTING:

<i>Operator:</i>	Erling Stenhaug, engineer
<i>Conditioning of the test material:</i>	The specimens were stored in air with a relative humidity of 50 % and at a temperature of 23 °C until constant mass was obtained.
<i>Number of single tests:</i>	<p>3 at heat flux density 25 kW/m², pilot flame present</p> <p>3 at heat flux density 25 kW/m², pilot flame not present</p> <p>3 at heat flux density 50 kW/m², pilot flame not present</p>
<i>Duration of the tests:</i>	Up to 20 minutes

REMARKS / DEVIATIONS:

The wire grid was not used during the test.

The toxicity measurements were performed using Dräger tubes.

According to ISO 5659-2:1994, the following limiting statement shall be given in the test report: *"These results relate only to the behaviour of the specimens of the product under the particular conditions of test; they are not intended to be the sole criterion for assessing the potential smoke obscuration hazard of the product in use."*

APPENDICES

Appendix I: Test results

Appendix II: Short description of test method and classification criteria.

Appendix I - Test results

Table 1 Average results from testing of Trojan Twist #352 according to IMO FTPC Part 2 and ISO 5659-2:1994.

	Test condition		
	25 kW/m ² , pilotflame present	25 kW/m ² , pilotflame not present	50 kW/m ² , pilotflame not present
Maximum smoke production, Dm (Dc subtracted)	259,0	244,8	361,4
Smoke production after 10 minutes, Ds10	242,9	398,6	256,1
CO-concentration	100	100	100
HCl-/HBr-concentration (measured with the same Dräger-tube)	0	0	0
HF-concentration	0	0	0
NO _x -concentration	100	0	100
HCN-concentration	10	50	50
SO ₂ -concentration	0	0	0

The smoke density values are average measurements from three single tests at each test condition.

The fumes for toxicity measurements were sampled during testing of specimen 2 and 3, within 3 minutes after maximum smoke density had been reached.

Table 2 Results from testing of Trojan Twist #352 according to IMO FTPC Part 2 and ISO 5659-2:1994.
Test condition: heat flux density 25 kW/m², pilotflame present.

	Specimen 1	Specimen 2	Specimen 3	Averaged results
Maximum smoke production, Dm (Dc subtracted)	265,8	237,4	273,9	259,0
Time to max. smoke production	429	387	541	
Smoke production after 10 minutes, Ds10	244,3	214,9	269,5	242,9
Clear beam correction factor, Dc	30,1	24,4	26,7	
CO-concentration		100		
HCl-/HBr-concentration (measured with the same Dräger-tube)		0		
HF-concentration		0		
NO _x -concentration			100	
HCN-concentration			10	
SO ₂ -concentration			0	
Total testing time [s]	600	600	600	
Filename	03044007	03044008	03044009	

Norwegian Fire Research Laboratory, 2003-02-21, Trojan Twist #352

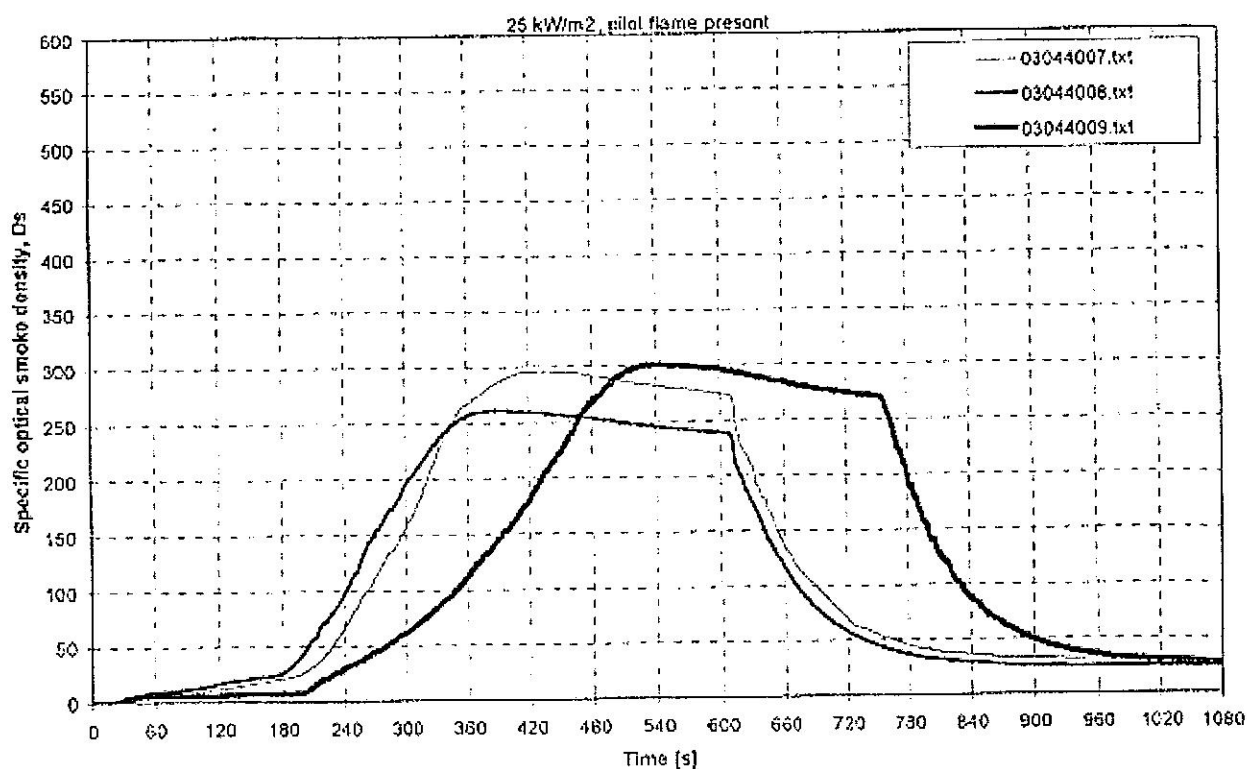


Figure 1 Calculated specific optical density during testing of Trojan Twist #352 according to IMO FTPC Part 2 and ISO 5659-2:1994.
Test condition: heat flux density 25 kW/m², pilotflame present.

Table 3 Results from testing of Trojan Twist #352 according to IMO FTPC Part 2 and ISO 5659-2:1994.

Test condition: heat flux density 25 kW/m², pilotflame not present.

	Specimen 1	Specimen 2	Specimen 3	Averaged results
Maximum smoke production, Dm (Dc subtracted)	461,7	415,8	456,8	444,8
Time to max. smoke production	957	1185	1195	
Smoke production after 10 minutes, Ds10	406,8	389,5	399,6	398,6
Clear beam correction factor, Dc	0	0	0	
CO-concentration		100		
HCl-/HBr-concentration (measured with the same Dräger-tube)		0		
HF-concentration		0		
NO _x -concentration			0	
HCN-concentration			50	
SO ₂ -concentration			0	
Total testing time [s]	1200	1200	1200	
Filename	03044004	03044005	03044006	

Norwegian Fire Research Laboratory, 2003-02-21, Trojan Twist #352

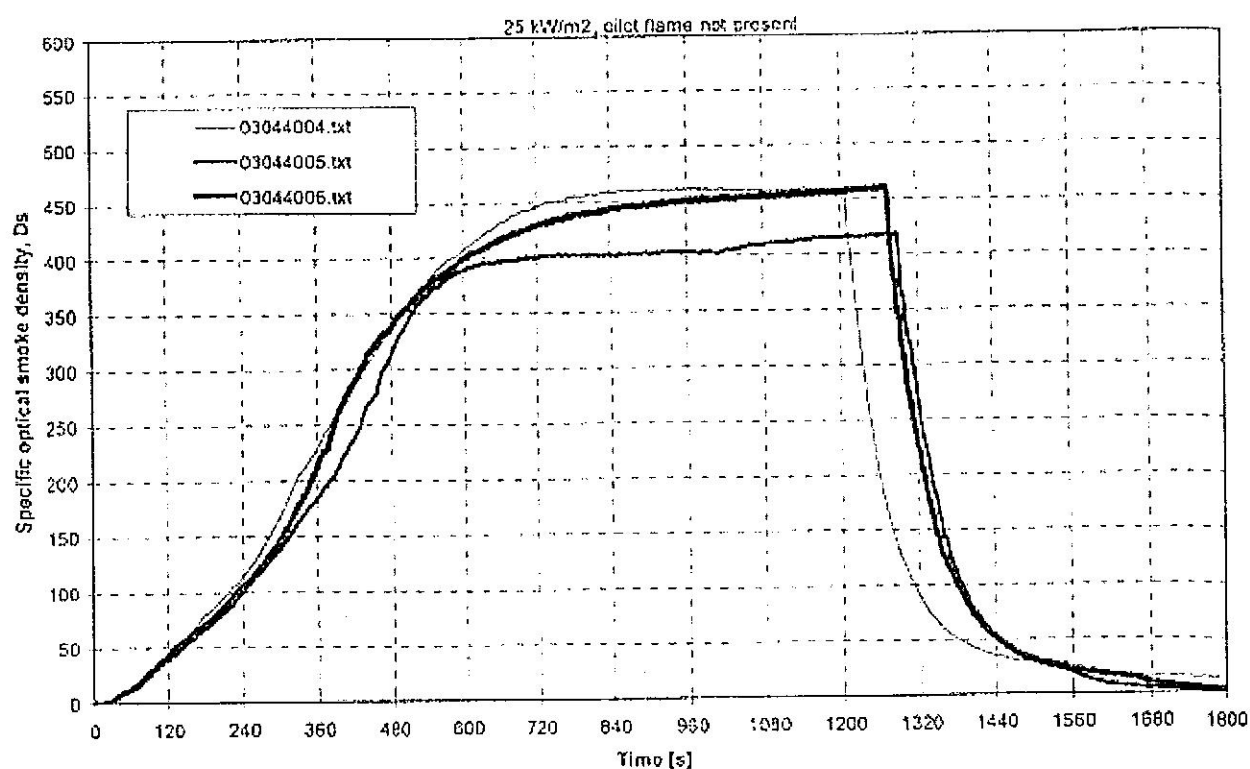


Figure 2 Calculated specific optical density during testing of Trojan Twist #352 according to IMO FTPC Part 2 and ISO 5659-2:1994.

Test condition: heat flux density 25 kW/m², pilotflame not present.

Table 4 Results from testing of Trojan Twist #352 according to IMO FTPC Part 2 and ISO 5659-2:1994.
Test condition: heat flux density 50 kW/m², pilotflame not present.

	Specimen 1	Specimen 2	Specimen 3	Averaged results
Maximum smoke production, Dm (Dc subtracted)	355,5	374,5	354,2	361,4
Time to max. smoke production	252	249	267	
Smoke production after 10 minutes, Ds10	253,2	262,5	252,7	256,1
Clear beam correction factor, Dc	53,5	57	53,5	
CO-concentration		100		
HCl-/HBr-concentration (measured with the same Dräger-tube)		0		
HF-concentration		0		
NO _x -concentration			100	
HCN-concentration			50	
SO ₂ -concentration			0	
Total testing time [s]	600	600	600	
Filename	0304401	03044002	03044003	

Norwegian Fire Research Laboratory, 2003-02-21, Trojan Twist #352

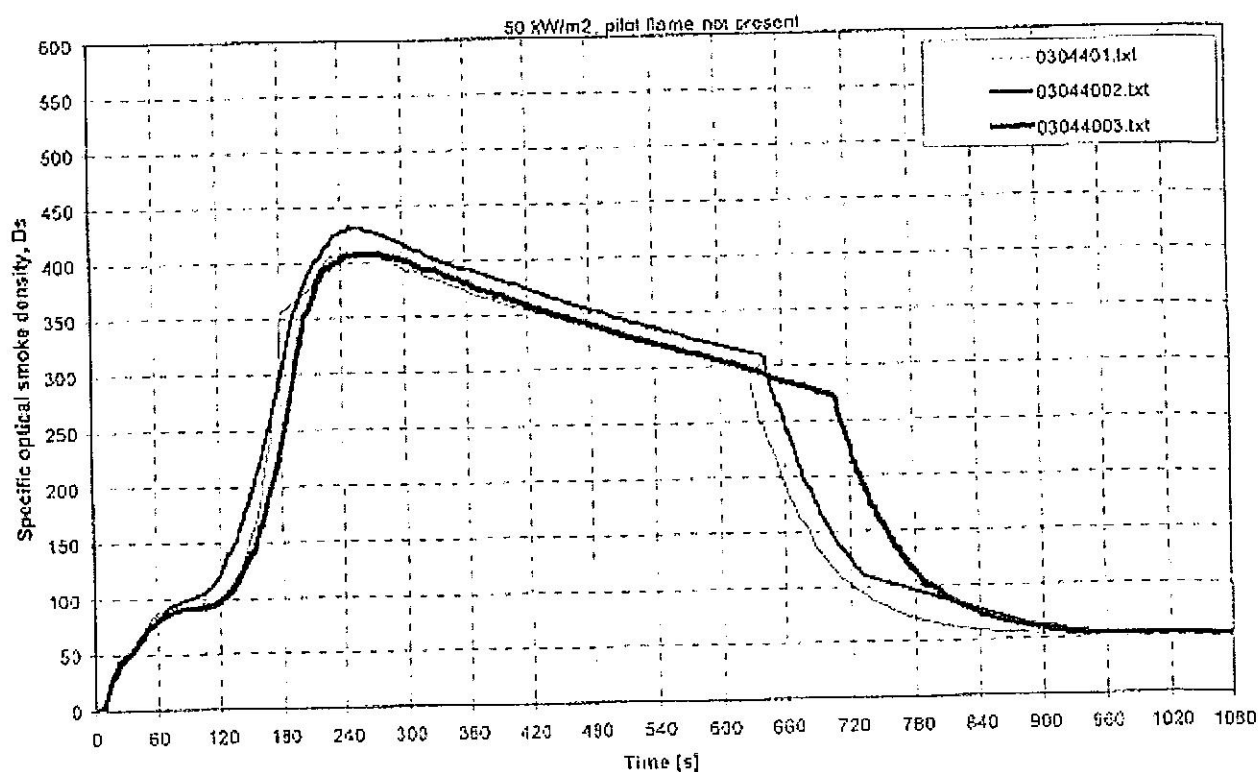


Figure 3 Calculated specific optical density during testing of Trojan Twist #352 according to IMO FTPC Part 2 and ISO 5659-2:1994.
Test condition: heat flux density 50 kW/m², pilotflame not present.

Appendix II - IMO RESOLUTION MSC 61(67) Fire Test Procedures, Part 2: Smoke and Toxicity test

TEST PRINCIPLE

The test principle is given in international standard ISO 5659-2:1994, with additional measurements and criteria as stated in IMO Res. MSC 61(67). The method is applied to assess smoke production from materials for marine application, and the toxicity of the smoke fumes.

The surface of a specimen with dimensions 75 mm x 75 mm is exposed to heat radiation from above. The test specimen is placed inside a chamber, where the smoke produced from the specimen during the test is collected. Optical smoke density (Ds) is determined by measuring the attenuation of a light beam by the smoke in the chamber. When the smoke density reaches its maximum value, gas samples for measurement of toxic gas concentrations are collected. The toxic gases measured are CO (carbon monoxide), HCl (hydrogen chloride), HF (hydrogen fluoride), NO_x (nitrogen oxides), HBr (hydrogen bromide), HCN (hydrogen cyanide) and SO₂ (sulphur dioxide).

If the correction factor Dc is bigger than 5% of Dm, it shall be subtracted from Dm.

The tests are performed at three different test conditions:

1. heat flux density 25 kW/m², pilotflame not present
2. heat flux density 25 kW/m², pilotflame present
3. heat flux density 50 kW/m², pilotflame not present

Three single tests are carried out at each of these test conditions. The measurements of gas concentrations are only measured once for each test condition.

CLASSIFICATION CRITERIA

The criteria for evaluating a material as not capable of producing excessive quantities of smoke and toxic products or not to give rise to toxic hazards at elevated temperatures are given below.

1. Smoke

An average (Dm) of the maximums of Ds of three tests at each test condition shall be calculated.

- .1 for materials used as surface of bulkheads, linings and ceilings, the Dm shall not exceed 200 in any test condition;
- .2 for materials used as primary deck covering, the Dm shall not exceed 400 in any test condition;
- .3 for materials used as floor covering, the Dm shall not exceed 500 in any test condition and
- .4 for plastic pipes and electric cables, the Dm shall not exceed 400 in any test condition.

2. Toxicity

The gas concentrations measured at each test condition shall not exceed the following limits:

CO	1450 ppm	HBr	600 ppm
HCl	600 ppm	HCN	140 ppm
HF	600 ppm	SO ₂	120 ppm
NO _x	350 ppm		



CAVALIER BREMWORTH PTY LIMITED
A Wholly Owned Subsidiary of Cavalier Corporation Limited
ABN 98 101 377 780

Warranty

Project Name: Sportsraft Balgowlah
Installer: Trump Floorcoverings
Date: 10.06.09

Product: Trojan Twist
Installation: Direct Stick

Guarantee

Cavalier Bremworth guarantees that this carpet has been constructed to meet the requirements specified for **heavy duty contract** use under the **Fernmark Contractwool Carpet Classification Scheme** and the **Australian Carpet Classification Scheme**, and is free from manufacturing defects.

Life Expectancy

Provided it is installed and maintained in accordance with good commercial practice, under normal conditions of use this carpet can be expected to provide a wear life as follows: -

- Under medium traffic conditions – such as hotel guest corridors, conference rooms, small shops, corporate offices – where traffic ranges up to an average 750 passages/day ... 11 – 14 years.
- Under heavy traffic conditions – such as restaurants, larger function rooms, open plan offices, large shops, motel main corridors – where traffic ranges up to an average 2000 passages/day ... 8 – 10 years.
- Under extra heavy traffic conditions – such as hotel lobbies, office entrance areas, department stores (ground floor), cash counters, bars, airports, railway stations, passenger ships – where traffic exceeds an average 2500 passages/day ... 5- 7 years.


Exclusions

- Areas under certain extreme conditions of wear, localised life may be limited and unpredictable. Examples are areas where the layout of walls, partitions, turnstiles etc concentrates heavy traffic and creates turning moments, and especially areas which are regularly subject to vehicular traffic or roller castor chairs.
- Conventionally laid commercial/contract projects over three drops in width and/or with office partitions installed above the carpet.
- Installation that does not follow the requirements of AS 2455 "Textile floor coverings-Installation practice" (www.standards.org.au).

Cavalier Bremworth Commitment

Cavalier Bremworth has no knowledge of the level of traffic or the conditions to which this carpet may be subject, nor of the quality or adequacy of maintenance it maybe given. For these reasons the only specific guarantees we can express are those contained in the first paragraph of this warranty.

However, we are committed to meeting all reasonable customer expectation concerning wear life, and if we are satisfied that a user has reasonable cause for complaint, then we will put it right.


.....

Signed for and behalf of Cavalier Bremworth Pty Ltd:

 **Cathy Howitt**
General Manager, Cavalier Bremworth Pty Ltd



Sales/WP/Steve/Warranty/Fernmark HD.doc

Head Office: 165-169 Lower Gibbs Street, Chatswood, 2067, Australia. Postal Address: P.O. Box 845, Willoughby, NSW, 2068, Australia

Tel: (02) 9932 2600 • Fax: (02) 9417 7071

Toll Free: 1800 251 172 • Sales: (02) 9932 2610 • Website: www.cavbrem.com.au