DixGardn		Building Certifiers Strata Plan Certifiers Building Regulations Consultants
3rd June 2009	IC 5 JUN 2009	Fire Safety Consultants
The General Manager Manly Council PO Box 82 Manly NSW 1655	)Scanned )Document No	
Attention: Planning Department Dear Sir/Madam,	mPart Scanned	

#### RE: DA NO: 196/08 (10831 OF 2008 LAND & ENVIRONMENT COURT OF NSW ORDER) IVANHOE HOTEL, 25-29 THE CORSO, MANLY NSW 2095

Please find attached the first Construction Certificate for the proposed development that has been granted by the Accredited Certifier, Lyall Dix.

The certificate relates to the alterations to the existing hotel facility at the above address and has been issued for Stage 1: internal alterations for part of the Ground Floor (No. 29) for a TAB and fitout of the bar, including external glazing and facade works only.

Together with the certificate, we have enclosed the following for Council's record:

- 1. Notice of Commencement of Building Work & Appointment of PCA
- 2. Application form
- 3. Other Documentation relied upon
- 4. Approved Plans
- 5. Fire Safety Schedule

We have attached a cheque for the registration of this certificate. In forwarding the receipt for this cheque it is requested that reference be made to the address of the premises.

If you have any queries regarding the above please do not hesitate to contact the undersigned on 9279 3657 during business hours.

Yours faithfully,

Carl Parkinson Dix Gardner Pty Ltd

CC:- Hilrok Properties Pty Ltd.

Level 2, 25 Watt Street P.O. Box 1809 Newcastle NSW 2300 Tel: 02 4927 1822 Fax: 02 4927 1844

Level 4, 155 Castlereagh Street Sydney NSW 2000 Tel: 02 9279 3657 Fax: 02 9279 3686

Job 09/0281 Page 1 of 1



### **Construction Certificate**

Issued under the Environmental Planning and Assessment Act 1979

Certificate No.:	215/09 COUNCIL COPY
Subject Land: Lot and DP:	Ivanhoe Hotel, 25-29 The Corso, Manly NSW 2095 Lot 1, DP 877793 & Lot 9, Sec B, DP 192310
Applicant: Address: Ph./Fax:	Hilrok Properties Pty Ltd. 17 The Corso, Manly NSW 2095 9977-2418 / 9977 2410
Owner:	London Fashions Pty Ltd; B. Henry, H. Roth Charitable Foundation (Holdings) Pty Ltd.
Description of Building Works:	Alterations to the existing hotel facility: Stage 1 - Internal alterations to part of the Ground Floor (No. 29) for a TAB & fitout of the bar, including external glazing & facade works only.
BCA Classification:	Class 9b
Cost of Building Works:	\$3,300,000 (Total project cost)
Builder:	FDC Construction & Fit out Pty Ltd (License:EC40873)
DA No.:	196/08 (Council) & 10831 of 2008 (Land & Environment Court of NSW)
Determination Date: Consent Authority:	17/12/2008 Manly Council
Date of Receipt of CC application: Determination: Date of Determination:	29/05/2009 Approved 03/06/2009
Approved Plans:	Paul Kelly Design; Project 294 Drawing No's: AG-100, AG-101, AG-102, AG-110, AG-200, AG-201(a); Issue A dated March 09.
Attachments:	<ul> <li>Other Documentation relied upon</li> <li>Approved Plans</li> <li>Fire Safety Schedule</li> </ul>
Accreditation Level: Registration No.: Accreditation Body:	A1 - Accredited Certifier - Building Surveyor Grade 1 BPB0092 Building Professionals Board

I certify that:

• the work, if completed in accordance with documentation accompanying the application for the certificate (with such modifications verified by the certifying authority as may be shown on that documentation), will comply with the requirements of *Environmental Planning & Assessment (EP&A)* Regulation 2000 as are referred to in sec. 81A (5) of the *EP&A Act 1979*.

Signed:

Lyall Dix Accredited Certifier Date: 03/06/2009

Level 4, 155 Castlereagh Street Sydney NSW 2000 Tel: 02 9279 3657 Fax: 02 9279 3686

Job 09-0281\CC1

Level 2, 25 Watt Street P.O. Box 1809 Newcastle NSW 2300 Tel: 02 4927 1822 Fax: 02 4927 1844



## COUNCIL COPY

### Fire Safety Schedule

(Clause 168 of the Environmental Planning and Assessment Regulation 2000)

Premises:	Ivanhoe Hotel, 25-27 The Corso, Manly NSW 2095 (Existing Hotel – no works to this part for stage 1 CC (215/09 apart from essential fire services adjustments as below in relation the fire wall separation/openings between No 27 -29).
Development Consent No.:	196/08 / 10831 of 2008 Court Order
Construction Certificate No.:	215/09

The following essential fire safety measures shall be implemented in the whole of the building premises and each of the fire safety measures must satisfy the standard of performance listed in the schedule which, for the purposes of Clause 168 of the Environmental Planning and Assessment Regulation 2000, is deemed to be the current fire safety schedule for the building.

### **SCHEDULE**

Essential Fire and other Safety Measures	Standard of Performance	Existing	Proposed
Automatic fire detection and alarm system	AS 1670-1995/2004, BCA CI C3.5 – (Smoke detection for automatic closing of fire doors to fire wall)	<b>√</b>	~
Automatic fire suppression system (sprinklers)	AS 2118.1-1995/1999, BCA Spec E1.5, Spec E2.2a & E2.2b	1	~
Emergency Lighting	AS 2293.1-1995	√	
Exit Signs	AS 2293.1-1995	✓	
Fire Blankets	AS 2444-2001	✓	
Fire doors	AS1905.1-1997/2005, BCA CI C3.5 – (Fire doors to fire wall)	~	~
Hose reel system	AS 2441-1988	✓	
Portable fire extinguishers	AS 2444-2001	√	



## **Fire Safety Schedule**

(Clause 168 of the Environmental Planning and Assessment Regulation 2000)

Premises:	29-33 The Corso, Manly NSW 2095 (Existing Commonwealth Bank building, part ground floor use at No 29 for the Ivanhoe Hotel)
Development Consent No.:	196/08 / 10831 of 2008 Court Order
<b>Construction Certificate No.:</b>	215/09

The following essential fire safety measures shall be implemented in the whole of the building premises and each of the fire safety measures must satisfy the standard of performance listed in the schedule which, for the purposes of Clause 168 of the Environmental Planning and Assessment Regulation 2000, is deemed to be the current fire safety schedule for the building.

#### Essential Fire and other Safety Measures **Standard of Performance** Existing Proposed 1 A/C Trip Standard of Performance to be 1 obtained from Building Management 1 Automatic fire suppression system (sprinklers) BCA Spec. E1.5, Clause 8 and AS 1 **Occupant Warning System** 2118-1982/1999, BCA Spec E2.2a & E2.2b (ground floor part for the Ivanhoe Hotel) BCA Clauses E4.2/E4.4 & AS 2293.1-1 **Emergency Lighting** 1 1987/2005. 1 Exit Signs (illuminated) BCA Clauses E4.5/NSW E4.6/E4.8 ~ and AS 2293.1-1987/2005 Fire Alarm Communication Link AS 1670.3-1997 & AS 4428.6-1997 1 1 AS1670.1-2004, BCA CI C3.5 -(Smoke detectors for automatic closing of fire doors to fire walls) $\checkmark$ Fire dampers Standard of Performance to be obtained from Building Management Fire doors $\checkmark$ BCA CI C3.8, C3.5 (Fire doors to 1 firewalls) and AS1905.1- 1982/2005 Fire seals (protecting openings in fire resisting Standard of Performance to be $\checkmark$ 1 components of the building) obtained from Building Management. **BCA CI C3.15** Fire Hydrant systems (Street fire Hydrant) BCA CI E1.3 & AS2419.1-2005 Hose reel system BCA Clause E1.4 & AS 2441-./

#### **SCHEDULE**

Mechanical air handling system

Paths of travel for stairways & Passageways

Portable fire extinguishers & Fire Blankets

1995/2001

1988/2005

186.

BCA CI E2.2 (Shutdown), F4.5(b) &

BCA Clause E1.6 and AS 2444-

EP&A Regulations 2000, clauses 184-

AS1668.1/2 -1998/1991

1

✓

1

√

Essential Fire and other Safety Measures	Standard of Performance	Existing	Proposed
Required (automatic) Exit Doors	BCA Clause D2.19/D2.21 & AS 4085- 1992	√	
Warning and Operational Signs	Standard of Performance to be obtained from Building Management	~	

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# COUNCIL COPY

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	DixG	ardner	Building Certifiers Brate Alan Certifiers Building Regulations Consultants
$ \begin{array}{  c  } \hline Construction Certificate (CC) & Strata Certificate (SC) \\ \hline Complying Development Certificate (CDC) \\ \hline \hline \hline \\ $	ł	Environmental Planming & Assessment Act 1979, s. 109C	2 9 MAY 2009
Name       THM PERFERSION         Address       Π       HE CORSO MANUX         Signature & Date       29/5/09         Phone & Fax       29/5/09         OWNER       0         Name       Low Dom EASHIP 205 PT LED BHENRY HR ONL OTHOUR MBLE FOLL         Address       SUITE BOI, Level B         Address       SUITE BOI, Level B         Abort Store       CHAOCANST PTHETAL         As the owner/s of the subject property, live hereby consent to this Application of the Certificate for the proposed development described below.         Signature & Date       HUSTH/Level How Boiles Aller Aller Highth Class         Subject LAND       22/5/97         Address       17-17         Lot & DP       Lot 1 TP 37773         Lot & DP       Lot 1 TP 37773         Lot & DP       Lot 1 TP 37773         Description       Indensity and sector store for COC         OR No. of Lots       CHACKS         (If Strata)       DA 196/08         Description       DA 196/08         Date of Lodgement       DA 196/08         Date of Lodgement       DA 196/08         Date of Determination       17/12/2008         VALUE OF WORKS       27.200		Construction Certificate (CC) Strata Certificate (SC) Complying Development Certificate (CDC)	
Name       TIM PETERSON         Address $\square$ THE LORGO MANUX.         Signature & Date $27/5/09$ Phone & Fax $27/5/09$ Owner $27/5/09$ Name       Low Down FASHUD AS PTIAD BHENDY HR OTH OTHER MISHER FOUND         Address       SUITE BOIL Level 8         OWNER $04200005$ PM LTL         Address       SUITE BOIL Level 8 $0420005$ PM LTL $0420005$ PM LTL         Ab 55 K IPPAX S.SURCH INLIG NOW 2010.       As the owner/s of the subject property, live hereby consent to this Application of the Certificate for the proposed development described below.         Signature & Date $412000000000000000000000000000000000000$	APPLICANT		
Signature & Date $29/5/09$ Phone & Fax OWNER Name Low Dow FASHIONS FTIAD BHENRY HROTH OTTAGE MENE FOUN Address SDITE BOI, LEVEL B OFACOMST PT LTL ABOS KIPPAX STSU201 HILLS NOW 2010. As the owner's of the subject property, live hereby consent to this Application of the Certificate for the proposed development described below. Signature & Date HEATH Action Alternative Alternative Action and the Application of the Certificate for the proposed development described below. Signature & Date HEATH Action Alternative Action Alternative Action SUBJECT LAND Address 27-27 THE COMSO MANUX. Lot & DP Lot 1 TP 877773 Let 1 Sect 8 DP PP723 to PROPOSAL Description Indeview work to exist use space and used supple (if Strata) DEVELOPMENT CONSEINT for Americana For Americano for COC DA No. DA 196/08 Estimated Cost $b = 2.00$	Nama		
Phone & Fax         OWNER         Name       Londony         Address       SUITE         SUITE       BCI, Level B         Address       CHEVEL B         Ab-Sb       KIPPAX ST, SU221         As the owner/s of the subject property, l/we hereby consent to this Application of the Certificate for the proposed development described below.         Signature & Date       Heath / Lector long and and and and the fit of the Certificate for the proposed development described below.         Signature & Date       Heath / Lector long and and the fit of the Certificate for the proposed development described below.         Signature & Date       Heath / Lector long and the fit of the Certificate for the proposed development described below.         Signature & Date       Heath / Lector long and the fit of the Certificate for the proposed development described below.         Signature & Date       Heath / Lector long and the fit of the Certificate for the proposed development described below.         Signature & Date       17/12/12/2000         Address       17/12/12000         Description       Inderiver work to existence for an exi	Address	17 THE CORSO MANUX.	
Owner         Name       Londony       FASHIONS FTIADD BHENISM HROTH OTTACH MBLE FOUND         Address       SUITE BOI, LEVEL B       CHAROTH OTTACH MBLE FOUND         Address       SUITE BOI, LEVEL B       CHAROTH OTTACH MBLE FOUND         Address       SUITE BOI, LEVEL B       CHAROTH OTTACH MBLE FOUND         Address       SUPPORT       SUPPORT       SUPPORT         As the owner/s of the subject property, live hereby consent to this Application of the Certificate for the proposed development described below.       Signatures & Date       Support Land         Signatures & Date       Subject Lock       Lock       Lock       Manual Taylor         Address       27-24       The couse manual taylor       Fore         Cot & DP       Lock 1       TP 877733       East 7       Fore         Lot & DP       Lock 1       TP 877733       East 7       Fore       Support         Or No. of Lots       Interview work to existence and use support       Ottake fore       Support         Date of Determination       TJ 12/ 1003       T<	-	A 29/5/09	
Name       Lowbory       FASHIONS FTIND BHENIZY HROTH OTAGE MBLE FOLL         Address       SUITE BOI, LEVEL B       (HAROTH OTAGE MBLE FOLL)         Address       SUITE BOI, LEVEL B       (HAROTH OTAGE MBLE FOLL)         Address       SUITE BOI, LEVEL B       (HAROTH OTAGE MBLE FOLL)         Address       SUITE BOI, LEVEL B       (HAROTH OTAGE MBLE FOLL)         Address       Address       2010.         Signature & Date       HDATH (Lects Indu Taylins allow, litholt Claw         Subject LAND       32(507)         Address       27-27         Lot & DP       Lot 1 TP 8777733         Lot & DP       Lot 1 TP 8777733         Lot & DP       Lot 1 TP 8777733         Description       Indevicer work to cuick to cuick may separat and uses shop for No. of Lots         (if Strata)       DA 196/08         DEVELOPMENT CONSENT AGT APPLICATIONS FOR CDC         DA NO.       DA 196/08         Date of Lodgement       TJ 12/2008         VALUE OF WORKS       TJ 200			**************************************
As the owner/s of the subject property, l/we hereby consent to this Application of the Certificate for the proposed development described below. Signature & Date		5	
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Lot & DP Lot 1 TP 8777743 Lot 9 Lot 1 TP 8777743 Lot 9 GELS TP P12310 PROPOSAL Description Indexian work to existing expace and year shop for Or No. of Lots (if Strata) DEVELOPMENT CONSENT Nor ware cases from apparent rows for CDC DA No. DA 196/08 Date of Lodgement Date of Determination 17/12/2008 VALUE OF WORKS Estimated Cost 27 7 70 7	As the owner/s Certificate for the Signature & Date	A 6-56 KIPPAX S.SU22-1 IHILIS N of the subject property, I/we hereby consent to this Ap proposed development described below.	plication of the
Lef 9 Sec. 8 DP 192310       PROPOSAL       Description     Interior work to enistimal sepace and year shops       Or No. of Lots     (if Strata)       DEVELOPMENT CONSENT ADDRAMME LABLE FOR APPARENTIONS FOR CDC       DA No.     DA 196/058       Date of Lodgement     17/12/2008       VALUE OF WORKS     47.7200	As the owner/s Cartificate for the Signature & Date	16-56 KIPPAX S. SUPPA HILLS N of the subject property, I/we hereby consent to this Ap proposed development described below. Hereby London Baylin - 22/5/99	plication of the
Lef 9 Sec. 8 DP 192310       PROPOSAL       Description     Interior work to enictimal sepace and year shops       Or No. of Lots     (if Strata)       DEVELOPMENT CONSENT ADDRAMMERATIONS FOR CDC       DA No.     DA 196/052       Date of Lodgement     17/12/2008       VALUE OF WORKS       Estimated Cost     4.7.7.400	As the owner/s Cartificate for the Signature & Date	16-56 KIPPAX S. SUPPA HILLS N of the subject property, I/we hereby consent to this Ap proposed development described below. Hereby London Baylin - 22/5/99	plication of the
Description       Interior       work to existing space and new supply         Or No. of Lots	As the owner/s Certificate for the Signature & Date SUBJECT LAND Address	16-56 KIPPAX S. SURPHILLEN of the subject property, I/we hereby consent to this Ap proposed development described below. <u>Hereby Landy Bylin 1997</u> <u>23</u> [5][9] <u>27-29 THE COUSO MANUX.</u>	plication of the
Or No. of Lots (if Strata) DEVELOPMENT CONSENT Nor APPENDABLE FOR APPENDATIONS FOR CDC DA No. Date of Lodgement Date of Determination 17/12/1008 VALUE OF WORKS Estimated Cost	As the owner/s Cartificate for the Signature & Date SUBJECT LAND Address Lot & DP	A 6-56 KIPPAX S. SUPPA HILLS N of the subject property. I/we hereby consent to this Ap proposed development described below.	plication of the
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	of Principal Certifying Authority Environmental Planning and Assessment Act 1979	11 13	
	Environmental Planning and Assessment Act 1979 Sections 81A (2) (b) (ii) or (c), or (4) (b) (ii) or (c), 86 (1) and (2)	2 5	9 MAY 2009
SUBJECT LAND		na an	
Address	27-29 THE CORSO MANUT		. () () () () () () () () () () () () ()
Owner			
Name	HILROK PROPERTIES		
Address	17 THE CORSO MANLY		
PROPOSAL			
Description	. Interior work to existing spa	~ 0	
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CONSENT			
DA/CDC No.	196/08		
Date of Determin	ation <u>17/12/2002</u>		
PRINCIPAL CERT	IFYING AUTHORITY	1 × 1	*******
Name:	Lyall Dix		
Accreditation no:			
noor contation no.	BPB0092		
Accreditation grad	de: A1 – Building Surveying Grade 1	- ,	
Accreditation grad	de: A1 – Building Surveying Grade 1 ly: Building Professionals Board	0	
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\*

ABN 19 090 427 446 | Email: admin@dixgardner.com.au | Web: www.dixgardner.com.au



**Building Certiflers** Strata Plan Certifiers **Building Regulations** Consultants

Fice Safety Consultants RECEIVED

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Notification of Mandatory Inspections Environmental Planning and Assessment Act 1979 Sections 81A & 86 and Regulation 2000 Clauses

Subject Land	
Address 29 THE CORSO, 27 CORSO, MANLY	
Description of Works INTERICR WORKS TO EXISTING	
SPACE. EXTORIAL SHOPFRANT	
Consent	
DA/CDC No. DA 196/08 CC No. 215/09	
Principal Certifying Authority	
Name: DIX GARDWER Accreditation no. BPB OPPL 4	pu D)
The Following are Critical Stage Mandatory Inspections	
<u>,</u>	
They are required pursuant to Section 109E (3) (d) of the Act & Clause 162A of the Re	egs
4) In the case of a class 1 or 10 building,	
(a) at the commencement of the building work, and	(DG)
(b) after excavation for, and prior to the placement of, any footings, and	(Eng)
(c) prior to pouring any in-situ reinforced concrete building element, and	(Eng)
(d) prior to covering of the framework for any floor, wall, roof or other building element, and	(Eng)
(e) prior to covering waterproofing in any wet areas, and	(DG)
(f) prior to covering any stormwater drainage connections, and	(Eng)
(g) after the building work has been completed and prior to any occupation certificat	te (DG)
5) In the case of a class 2, 3 or 4 building,	
(a) at the commencement of the building work, and	(DG)
(b) waterproofing in any wet areas, for a minimum of 10% of rooms with wet areas	(DG)
(c) prior to covering any stormwater drainage connections, and	(AE)
(d) after the building work has been completed and prior to any occupation certificat	te (DG)
6) In the case of a class 5, 6, 7, 8 or 9 building,	
(a) at the commencement of the building work, and	(DG)
(b) prior to covering any stormwater drainage connections, and	(AE)
(c) after the building work has been completed and prior to any occupation certificat	· ·
	- 1
Legend: DG = Dix Gardner AE = Accredited Engineer Eng = Member IE Aus	t
Person with the benefit of the Development Consent/CDC	
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Name /IM BTERSON Signature Date 29/5	101

y them of the e: if a i ation re e No uilder is appointe ou ı ) notif A missed inspection may result in the PCA being prohibited from issuing an Occupation Certificate.

A

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ABN 19 090 427 446 | Emeil: admin@dixgardner.com.au | Web: www.dixgardner.com.au

#### ABS Schedule to Construction Certificate Application

particulars of the proposal	Gross floor area of exist What are the current use	and $(m^2)$ No 27 lettan space 240 m <sup>2</sup> ing building $(m^2)$ as of all or parts of the building(s)/land?
	Location	Use
2 9 MAY 2009	SNT FLOOR	
R P/L	· · · · · · · · · · · · · · · · · · ·	
	What is the gross floor a building (m <sup>2</sup> )	dual occupancy?
	Location	Use
	GND FLOOR	TAB/GAMING
	Number of dwellings to t How many dwellings are	wellings

#### materials to be used

Place a tick adjacent to the material which best describes what the new work will be constructed of:

walls brick veneer full brick single brick concrete block concrete/masonry concrete steël fibrous cement hardiplank cladding - aluminium curtain glass other unknown	code         12         11         11 ∕         11 ∕         20         60         30         30         70         50         80         90	roof aluminium concrete concrete tile fibrous cement fibreglass masonry/terracotta shingle tiles slate steel terracotta tile other unknown	code 70 20 10 30 80 10 20 60 10 80 90
floor concrete timber other unknown	20 10 80 90	frame timber steel other unknown	40 60 80 90

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### **INSPECTION RECORD**

Address:	25-29 Ivanhoe Hotel, Manly		
DA No.:	196/06 & 10831 of 2008 L&E Court Order	CC No.:	215/09
AC/PCA:	Lyall Dix. BPB0092	DG Project No:	09/0281
Inspection Type:	Prior to issue of CC.	Inspections By:	Lyall Dix & Carl Parkinson

REQUIRED INSPECTION Sect	ion 109l	E (3)	(d) o	of the Ac	ct & (	Clause 162A,	142 & 143b & c of th	e Reg's
In the case of a Class9bbuilding,	Cri	tical S	Stage	Inspect	lion S	atisfactory	Inspection Date	Officer
<ul> <li>(a) Prior to issue of CC</li> <li>i) PLANS AND SPECIFICATIONS ADEQUATELY AND ACCURATELY DEPICT THE CONDITION OF THE EXISTING BUILDING</li> </ul>	i)	No		Yes 🛛	X	N/A	01/06/2009	LD&CP
II) BUILDING WORK COMMENCED ON SITE PLEASE SEE THE ATTACHED FIRE SAFETY SCHEDULE ISSUED WITH THE CONSTRUCTION CERTIFICATE.	ii)	No		Yes [		N/A		25001



### design statement

18 May 2009

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Mr Carl Parkinson Dix Gardner Pty. Ltd. Level 11 66 King Street, NSW 2000

#### Dear Carl

#### Re: Ivanhoe Hotel, Manly. Stage One Construction Certification Design Statement

Outlined below is our design statement indicating compliance with both the DA consent conditions and BCA provisions required to obtain Construction Certificate for the above mentioned project.

## Please note the Construction Certificate drawings are "not inconsistent" with the stamped DA Approved Drawings.

The project has been documented to comply with the following BCA clauses:

•	Spec. Cl.1	Fire resisting construction.
٠	Spec. C.1.10	Fire hazard properties.
٠	Clause C2.7	Separation by Fire Walls
٠	Clause C2.8	Separation on classifications in the same storey.
•	Clause C2.9	Separation on classifications on different stories.
	Clause C3.5	Doorways in Fire Walls.
٠	Clause C3.15	Openings for Service installations.
•	Clause D1.6	Dimensions of Exits.
٠	Clause D1.10	Discharge form Exits.
٠	Cause D2.7	Installation of Exits & Paths of travel
•	Clause D2.17	Handrails
٠	Clause D2.20	Swinging Doors
•	Clause D2.7	Installation in Exits and Paths of Travel
٠	Clause D.21	Operation of latch
٠	Clause D3.2	General building access requirements
٠	Clause D3.6	Identification of accessible facilities, services & features
	Clause D3.8	Tactile indicators
٠	Sections J	J2: External glazing

Page 1 of 2

٠	Section E	refer to consultant design statement from ITC
٠	Section F4	refer to consultant design statement from ITC
٠	Section J	Section J5 and J6. refer to consultant design statement from ITC

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Additionally, Paul Kelly Design (PKD) confirm that the following CC conditions have been addressed:

٠	Condition 6	Confirm compliance with the out-door smoking area the Smoke Free Environment Act.
٠	Condition 15	Access to areas for people with disabilities is provided and complies with AS1428.2. Confirm the existing compliant disabled facility on ground floor services the occupants of the proposed construction at No29 Corso.
•	Condition 31	that the reflectivity index of the glass in the external façade does not exceed 20%,
٠	Condition 58	Confirm occupancy number is 150 people at No 29 The Corso. 3m Exit width supplied.

Confirm openings in the fire wall are fitted with automatic fire doors achieving and FRL of 180/-/-. Activated by smoke detectors inside the Ivanhoe and Commonwealth Bank.

Please contact is if you have any questions or queries regarding any of the above items.

Regards Paul Kelly Design Paul Kelly Director

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#### www.paulkellydesign.com.au

77 Bay Stroet, Glebe NSW 2037 Australia. Phone (62) 9660 8299 facsimile: (02) 9660 8499 2:01 Projects/2009 Current Projects/294 Ivanhos Manly/Admin/Consultants/BCA\_SECTION J/BCA/CC docs/0900515 PKD design statement.doc Page 2 of 2



22 May 2009

### Waddington Consulting Pty Ltd

ACN 130 522 851 Structural and Civil Engineering Suite 6, Level 5 22 Central Ave, Manly P.O. Box 1044 Manly NSW 1655

Hilrok Property Group Pty Ltd

c/o Mr D. F. Cowell 61a Lady Penrhyn Drive Beacon Hill NSW 2100

Dear Dennis,

#### Subject: Alterations (Stage 1) at the Ivanhoe Hotel, 27 The Corso, Manly Certificate for Design & Structural Adequacy

#### 1. Structural Engineering Design

Please find attached copies of engineering drawings 6008-S0.00, S0.01, S1.00, S1.01, S1.02, S1.03, S1.04, S2.00 relating to the proposed alterations (Stage 1) at The Ivanhoe Hotel, 27 The Corso, Manly.

I certify that the structural engineering design of the elements shown on the above-mentioned plans has been carried out in accordance with the structural provisions of the BCA, relevant Australian Standards and normal engineering practice.

2. Structural Adequacy

The existing premises at 27 The Corso consists of reinforced concrete slab construction on reinforced concrete block walls on top of shotcrete and sheet pile walls on the basement slab. The existing premises at 29 The Corso consists of reinforced concrete slab and column construction on reinforced concrete piled foundations.

An inspection of the existing structure confirms that the structure appeared to be generally in good condition for its age. A review of the structural drawings for the existing structure was also carried out and it is considered that it is capable of withstanding the altered loading from the proposed alterations if constructed in accordance with the above mentioned plans, the Building Code of Australia and relevant Australian Standards.

#### 3. BCA Compliance with respect to Fire Rating Levels

The FRL of all building elements (load bearing walls, columns, separating floor slabs) within the proposed works and existing fire compartment area are confirmed to have a minimum FRL of 120/120/120.

The fire separating wall between the fire compartments of 25-27 The Corso and the ground floor of 29 The Corso consists of either a 190mm reinforced concrete block wall or a 140mm reinforced concrete block wall plus cavity brick wall. This fire separating wall is therefore considered to achieve an FRL of 180/180/180.

Please do not hesitate to contact me if you have any queries regarding this project or require any further structural engineering advice.

Yours sincerely,

Sinie liberty

Simon Waddington MIEAust CPEng NPER (Structural) Director Waddington Consulting Pty Ltd

P (02) 9976 0070 F (02) 9976 0095



ITC GROUP PTY LIMITED LEVEL 7, 33 YORK STREET SYDNEY N S W 2000 P H O N E + 61 2 9495 8100 F A X + 61 2 9495 8111 W E B w w w.ltcgroup.net.au A B N: 7 5 0 8 4 0 9 3 0 5 0

I:\Customer Register\Ivanhoe Hotel - N09041\Documents\Design Certificates 22 May 2009

Paul Kelly Design Pty Ltd Architects 77 Bay Street Glebe NSW 2037

Attention: Mr S. Formosa

### **CERTIFICATE OF DESIGN**

Project:

Ivanhoe Hotel The Corso, Manly

Engineering Disciplines:

Electrical

We hereby certify that engineering disciplines as per attached schedule comply with the performance requirement of the Building Code of Australia (Refer Clauses AO.4 and AO.5) in that they comply with the *Deemed-To-Satisfy Provisions* current at 2009, for the engineering works applicable to Ivanhoe Hotel, Manly

This certification excludes engineering works previously installed in the building and for which interfacing or extension has been applied at Ivanhoe Hotel, notwithstanding that the *Performance Requirements* of the BCA may have previously been certified for those engineering works (as listed above) by others.

Signed on behalf of ITC Group Pty. Limited.

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By:. Sup Pty Limited. Verified on G By:

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#### **IVANHOE HOTEL**

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#### THE CORSO, MANLY

ESSENTIAL SERVICE	BCA CLAUSE No	RELEVANT AUSTRALIAN STANDARD
Emergency Lighting	Part E4.2 & E4.4	AS 2293.1
Exit Signs	Part E4.5, E4.6 & E4.8	AS 2293.1
Artificial lighting & Power	Part J6	Not applicable
Artificial Lighting	Part F4.4	AS 1680.0

#### SCHEDULE OF ESSENTIAL SERVICES

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ITC GROUP PTY LIMITED LEVEL 7, 33 YORK STREET SYDNEY N S W 2000 PHONE + 61 2 9495 8100 FAX + 61 2 9495 8111 WEB www.itcgroup.net.au AB N: 750 840 930 50

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Paul Kelly Design Pty Ltd Architects 77 Bay Street Glebe NSW 2037

Attention: Mr S. Formosa

### **CERTIFICATE OF DESIGN**

Project:

Ivanhoe Hotel The Corso, Manly

Engineering Disciplines:

Hydraulic

We hereby certify that engineering disciplines as per attached schedule comply with the performance requirement of the Building Code of Australia (Refer Clauses AO.4 and AO.5) in that they comply with the *Deemed-To-Satisfy Provisions* current at 2009, for the engineering works applicable to Ivanhoe Hotel, Manly

This certification excludes engineering works previously installed in the building and for which interfacing or extension has been applied at Ivanhoe Hotel, notwithstanding that the *Performance Requirements* of the BCA may have previously been certified for those engineering works (as listed above) by others.

Signed on behalf of ITC Group Pty. Limited.

By: Matt Teuma

behalf of ITC Group Pty. Limited. 'erified May Chalak By:

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**IVANHOE HOTEL** 

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#### THE CORSO, MANLY

SCHEDU	JLE OF	<b>ESSEN</b>	<b>FIAL SERV</b>	ICES

ESSENTIAL SERVICE	BCA CLAUSE No	RELEVANT AUSTRALIAN STANDARD
Fire Hydrant (Street Coverage)	Part E1.4	AS 2419
Fire Hose Reels	Part E1.3	AS 2441 & AS1221

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Only use written dimensions. Do not scale. If in doubt, consult with Paul Kelly Design. Check all dimensions on site before fabrication or set out.

-ALUM. FRAMED GLASS DOOR REFER TO DOOR/WINDOW SCHEDULE - FINISH: MT2 GLAZING TO COMPLY WITH AS 1288 CONSTRUCTION CERTIFICATE Project No. 294 Sheet: A3 ORIGINAL Date: MARCH 09 Drawing No.: A200 А Issue: Scale: 1:50@A3

-CONCEALED AUTOMATIC DOOR ASSEMBLY BEHIND ALUM, FACE PANELS SHOWN DASHED



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