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File No. PF 1887/50 KC kmck/6426D Enquiries

Telephone (02) 982 0333

CONSENT NO 95/122

ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979

NOTICE TO APPLICANT OF DETERMINATION

OF A DEVELOPMENT APPLICATION

Applicant s Name and Address Mr and Mrs J Evans 49 Essilia Street, COLLAROY PLATEAU NSW 2097

Being the applicant in respect of Development Application No 1994/772

Pursuant to section 92 of the Act, notice is hereby given of the determination by Warringah Council, as the consent authority, of the Development Application No 1994/772 relating to the land described as follows -

Lot 2, DP 223409, No 50 Glen Street, Belrose

For the following development -

A Child Care Centre (with attached residence) to accommodate 18 children

The Development Application has been determined by granting of consent subject to the following conditions -

- Development being generally in accordance with plans numbered 94136-1DA and 94136-2DA, dated December 1994 submitted 09 12 94 as amended in red and modified by any conditions of this consent/approval (A1)
- No signs to be displayed without a separate approval under the Local Government Act (A3)
- Landscaping plans to be submitted for approval with the Building Application, indicating all existing tress specifying those to be retained/removed as well as details of proposed planting plus details of names/height and mature spread (J1)
- Plant and building materials should not be placed or stored within the public road reserve, and shall be stored within the boundaries of the site during building works. Failure to comply with this condition may result in Council taking action to remove the offending items from the public road reserve and all costs incurred by Council will be deducted from any deposit monies held in relation to the subject property (D18)

All correspondence to be addressed

General Manager
Clvic Centre Pittwater Road Dee Why 2099
DX 9118 Dee Why Fax (02) 971 4522



File No PF 1887/50 KC kmck/6426D Enquiries

Telephone (02) 982 0333

CONSENT NO 95/122

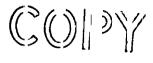
- The development shall not harm the environment by way of denudation of the land, soil erosion or the transmission of soil and sediment from the land Appropriate mitigation measures are to be implemented during the construction of the development and the future use of the land (L1)
- All works on the site shall be undertaken to prevent erosion and transport of soil and sediment off the site and onto adjoining properties Measures shall be taken in accordance with the requirements of Council's Specification for Erosion and Sediment Control An erosion and sediment control plan shall be submitted for Council's approval prior to Building Approval (L2)
- 7 The payment of \$1000 to account Reg 009-*TF 036 prior to issue of building approval or approval for subdivision works as security to ensure that
 - a) all silt and sediment control measures are installed and maintained
 - b) there is no transmission of material, soil etc off the site and onto the public road and/ or drainage systems and
 - c) maintenance of all facilities in accordance with Council's Specification for Erosion Control and Sediment Control (L3)
- 8 Restoration and maintenance to approved levels and safe condition of the footway reserve/s adjoining the site in Glen Street to Council s reasonable satisfaction (S4)
- 9 The public footways and roadways adjacent to the site shall be maintained at all times during the course of the work in a safe condition to the satisfaction of Council (S7)
- Provision of one vehicle crossing, 6m at kerb, 6 5m wide at boundary to Council s satisfaction and in accordance with Council Drawing No A43330 to approved levels and specifications An application for street levels is to be made with the Building Application (T1)
- 11 <u>Construction of approved kerb laybacks in accordance with the details shown on Council Plan A4 2276 (T2)</u>
- 12 Reinstatement of redundant crossings and laybacks (T3)

All correspondence to be addressed

General Manager
Civic Centre Pittwater Road Dee Why 2099
DX 9118 Dee Why Fax (02) 971 4522



WARRINGAH COUNCIL



File No. pF 1887/50 KC kmck/6426D Enquiries

Telephone (02) 982 0333

CONSENT NO 95/122

- All fences, letter boxes and any other structures erected on the street alignment to conform to the approved back of footpath levels (V2)
- Building waste containers or skips and the like are not to be placed within the public road reserve unless prior approval from Council has been obtained and appropriate fees paid (V6)
- 15 Vehicles entering and leaving the site shall do so in a forward direction Provision shall be made on-site to ensure that this can be achieved (V8)
- Demolition of existing pool and removal of all debris from the site (U8)
- 17 All rooms in the building being ventilated in accordance with the provision of Part F4 of the Building Code of Australia (W4)
- Wall between occupancies to have a Fire Resistance Level of not less than 60/60/60 This wall is to be taken to the floor above having a Fire Resistance Level not less than 30/30/30, in accordance with Part C of the Building Code of Australia Details to be submitted with the Building Application (Wl3b)
- Sound attenuation of soil/waste pipes above habitable rooms shall achieve an STC of 45 Details being provided with the Building Application from a suitably qualified acoustic engineer, or a previously certified system from an accredited testing authority (W14)
- 20 The building being constructed in Type B construction (W17)
- The windows/doors in the western walls being protected in accordance with the provision of Part C3 of the Building Code of Australia Details being submitted with the Building Application (W18)
- Walls/Floor/Ceilings between occupancies are to have an STC in accordance with Part F and an FRL also in accordance with Part C of the Building Code of Australia Details being provided with Building Application (W29)
- Compliance with the requirements of Council's Checklist for Childcare Services Details to be provided with Building Application

All correspondence to be addressed

General Manager
Civic Centre Pittwater Road Dee Why 2099
DX 9118 Dee Why Fax (02) 971 4522



WARRINGAH COUNCIL



File No Enquiries PF 1887/50 KC kmck/6426D

Telephone (02) 982 0333

CONSENT NO 95/122

- Where the applicant cannot demonstrate to Council s satisfaction that the proposed development will not increase the rate of stormwater discharge from the site, the design and construction of an on site stormwater detention system in accordance with Council's requirements. Details to be submitted with the Building Application
- 25 Compliance with the requirements of the NSW Department of Community Services
- 26 Operating hours are to be confined to 7 30am to 6 00pm, Monday to Friday
- 27 The maximum number of children that are to be accommodated at the centre at any time shall not exceed 18
- 28 The three open car spaces adjacent to the front property boundary shall remain open No structures shall be permitted over these spaces

The reason for the imposition of the above consent conditions is as follows -

To ensure that the development consented to is carried out in such a manner as to achieve the objectives of the Environmental Planning and Assessment Act, pursuant to section 5(a) of the Act, having regard to the relevant matters for consideration contained in section 90 of the Act and the Environmental Planning Instrument applying to the land, as well as section 91(3) of the Act which authorises the imposing of the consent conditions

Endorsement of date of consent - 2 MAR 1995

 $\underline{\text{IMPORTANT}}$ You are advised to read these notes in addition to the Conditions of your consent

(1) It is to be clearly understood that the above consent is not an approval to carry out any structural work. A formal building application must be submitted to Council and be approved before any structural work is carried out to implement the above consent—Also—the applicant is not relieved of any obligation to obtain any other approval required under any other Act



WARRINGAH COUNCIL



File No PF 1887/50 KC kmck/6426D **Enquiries**

Telephone (02) 982 0333

CONSENT NO 95/122

- (2) Section 97 of the Environmental Planning and Assessment Act confers on the applicant who is not satisfied with the determination of the consent authority a right of appeal to the Land and Environment Court exercisable within 12 months of receipt of this notice
- This consent shall be effective and operative from the (3) endorsement date of this consent, however should an appeal be lodged against Council s determination of the application, the consent shall cease to be, or shall not become, operative, until that appeal is determined See section 93 of the Act
- (4) For information about the circumstances in which this consent may lapse, about commencement of a development granted consent, about extension of the consent, and about the circumstances in which Council may require completion of the development, see Section 99 of the Act
- (5) For information about the procedure for the modification of this consent by Council, see Section 102 of the Act
- (6) Any person who contravenes this notice of determination of the abovementioned development application shall be guilty of a breach of the Environmental Planning and Assessment Act, 1979, and shall be liable to a monetary penalty and for a restraining order which may be imposed by the Land and **Environment Court**

R Symons DIRECTOR FINANCE AND CORPORATE SERVICES

Date 2 MAR 1995



Civic Centre 725 Pittwater Road (enter Civic Drive) DEE WHY NSW 2099 DX 9118 Dee Why Ph (02) 9942 2111 Fax (02) 9942 2612

Notice to Applicant of Determination of an Occupation Certificate Application

Made under the Environmental Planning and Assessment Act 1979

Certificate No 1685/95

Deborah Evans 12 Seychelles Court Burleigh Heads QLD 4220

Description of Land Lot 2 DP 223409 (50 Glen Street Belrose)

Class Class 4 and 9b Two Storey Building comprising a Day Care Centre and First Floor Residence

Warringah Council pursuant to Sections 109C(1)(c) and 109H of the Environmental Planning and Assessment Act hereby **CONSENTS** to the issue of a Final Occupation Certificate for the land described above

DATED This Ninth day of February 2005

Gordon Maccallum

Development Inspection Officer

GRMacall

Planning and Assessment Services



Civic Centre 725 Pittwater Road (enter Civic Drive) DEE WHY NSW 2099 DX 9118 Dee Why Ph (02) 9942 2111 Fax (02) 9942 2612

Determination of a Final Occupation Certificate Application

made under Sections 109C(1)(c) and 109H of the Environmental Planning and Assessment Amendment Act

Final Occupation Certificate No 1685/95

Land to which this certificate applies

Address 50 Glen Street Belrose

Lot 2

DP 223409

Class 4 and 9b

Portion subject to Final Occupation Certificate Two Storey Building comprising a Day Care Centre and First Floor Residence

Owner Deborah Gay Evans

Warringah Council certifies that

- It has been appointed as the principal certifying authority under S109E
- A development consent/complying development certificate is in force with respect to the building
- A construction certificate has been issued with respect to the plans and specifications for the building
- The building is suitable for occupation or use in accordance with its classification under the Building Code of Australia
- Where required a final fire safety certificate has been issued for the building
- Where required a report from the Commissioner of Fire Brigades has been considered

Note This Final Occupation Certificate supersedes any Interim Occupation Certificate issued previously

DATED 9 February 2005

Gordon Maccallum

Development Inspection Officer Planning and Assessment Services

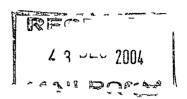
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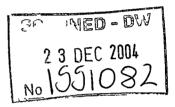
Deborah Evans 12 Seychelles Court Burleigh Heads QLD 4220

22 December 2004

Mr Craig Hann Warringah Council Civic Centre 725 Pittwater Road Dee Why NSW 2099

Dear Mr Hann





Re Compliance Certificate for 50 Glen Street, Belrose 2085

As discussed with you I have Strata Titled the abovementioned property into two lots The Upstairs is Lot 2 and has been sold. The purchasers require an occupation certificate before they will settle

Would you kindly attend to this at your earliest convenience

I have enclosed

- BCA Compliance Report
- Fire Safety Report

2 Novak Evans

• Strata Plan

Should you have any query please do not he sitate to contact me on (07) 5520 0544

Yours sincerely

Deborah Evans



Building Code of Australia Compliance Audit Report

For

Ms Debra Evans

Premises 50 Glen Street Belrose

Ref No P-04-121

Date 27th July 2004

tom miskovich & associates pty Itd

acn 094 366 873 abn 93 094 366 87

email

tma@tm a com au

all correspondence

po box 189 pennant hills nsw 1715

sydney

8 albion streetpennant hills nsw 2120

ph 02 9484 6999 fax 02 9484 3400

bowral ph 02 4862 5550 fax 02 4862 5551

AMENDMENT SCHEDULE

Version	Date	Description		
1 – Fınal	21 7 04	Final report		
		Prepared by	Checked By	
		fulther		
		Tom Miskovich		
2 – Final (altered section 3 5 of	27 7 04	Final report		
report as on compliant works had been rectified)		Prepared by	Checked By	
		Affer		
		Tom Miskovich		



Tom Miskovich & Associates Pty Ltd have been engaged to undertake an inspection of the subject premises to ascertain compliance with relevant provision of he Building Code of Australia (BCA) 2004

It is considered that the existing building largely complies with the provisions of the Building Code of Australia with the following matters brought to your attention as the most significant anomalies

- Disabled persons access being provided to and within the ground floor of the child care centre it is noted that the operation of the building has been recently approved by the local authority (Warringah Council 1995) and since that time there has been no significant alteration to the legislative provisions of the Building Code of Australia in this particular regard. Accordingly it is assumed that Warringah Council has considered such and resolved that compliance was not required (refer to section 3.9.3.10.3.11 of this report).
- 2 Provision of a disabled persons WC for the ground floor child care centre as per item 1 above (refer to section 5 3 of this report)
- 3 The fire resistance level of the external walls to the residential level as item 1 above (refer to section 2 6 of this report)
- 4 Protections of windows to the front elevation of the building have been addressed in a report prepared by Holmes Fire and Safety and dated 15th July 2004. It is noted that such report was subject to a covenant being provided to the title (refer to section 2 3 of this report)

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3 0 ACCESS AND EGRESS 3 1 Number Exits required – clause D1 2 3 2 Exit travel distance Clause D1 4 3 3 Dimensions of exits and paths of travel Clause D1 6 3 4 – Discharge from exits – Clause D1 10 3 5 Treads and risers landings & thresholds – Clause D2 13 D2 15 3 6 Balustrades and other barriers Clause D2 16 3 7 Swing of doors – Clause D2 20 3 8 Operation of latch Clause D2 21 3 9 – General building access requirements – Clause D3 2 and Clause D3 3 3 10 – Identification signage for disabled persons facilities – Clause D3 6 3 11 – Tactile indicators – Clause D3 8	5 5 5 5 6 6 7 7 7 8 8
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BUILDING CODE OF AUSTRALIA ASSESSMENT 1.0 - General Description

10 - General Description

11 Building Location

50 Glen Street Belrose

1 2 Building Description

Use/Classification

Class 9b (child care) and 4 (residential)

Rise in Storeys

Two (2)

Floor Area

Ground floor (class 9b)

Approximately 104 m²

1st floor (class 4)

Approximately (incl veranda) 162 m²

Total floor area

266 m²

Volume

Total volume of building within limits set by Table C2 2

Type of Construction

(BCA)

В

Effective Height

Approx 3m

BUILDING CODE OF AUSTRALIA ASSESSMENT 2.0 – Fire Resistance

2 0 Fire Resistance

2 1 Separation of classifications in same storey Clause C2 8

BCA Requirement

Different classifications that are situated alongside one another are to be either fire separated or alternatively the higher rating of the two classifications is applied throughout. In this situation a Fire Resistance Level (FRL) of not less than 760/60 if non load bearing construction and not less than 120// if load bearing construction is required to separate the class 9b and 4 classifications together with any door opening being not less than a self closing fire door with a FRL of 760/30

Situation on site

The class 9b is situated adjacent to the garage which is an auxiliary use to that of the class 4 portion situated on the 1st floor. Site inspection confirmed that fire rated material has been utilised in providing separation and confirmed by certification.

Compliance with BCA

Complies

2 2 Separation of classifications in different storeys Clause C2 9

BCA Requirement

Different classifications that are situated one above the other in adjoining storeys must be fire separated by floors having an FRL of not less than that specified by the provisions of this clause. In this particular situation an FRL of not less than 30/30/30 or a resistance to the insipient spread of fire of not less than 60 minutes.

Situation on site

Certification has been provided detailing that fire rating construction achieving a minimum of 60 minutes has been installed

Compliance with BCA

Compliance achieved

2 3 – Openings in external walls – Clause C3 2

BCA Requirement

In order to prevent the spread of fire to and from a building and fire source feature (boundary) any openings that within 3m of the side boundary must be suitably protected in accordance with the provision of clause C3 4 of the BCA

Situation on site

The front elevation has windows situated on both levels which are within 3m of the side boundary

Compliance with BCA

Does not comply with the deemed to satisfy provisions of the BCA. However such has been addressed by a fire engineered solution which addresses the performance provision of the BCA and subsequently complies. It is noted that the report prepared by Holmes. Fire and Safety is conditional and use of the subject premises is subject compliance with the terms of the report (see reference section of this report).



BUILDING CODE OF AUSTRALIA ASSESSMENT 2.0 – Fire Resistance

2 4 Openings in floors and ceilings for services – Clause C3 12

BCA Requirement

Where a service through a floor that is required to have a FRL or a ceiling that is required to have a resistance to the insipient spread of fire such service must be protected within either a shaft complying with the fire ratings detailed in section 2 13 of this report or alternatively comply with clause C3 15

Situation on site

No information has been provided in this regard however noted that new ceiling which has been installed achieved relevant fire rating

Compliance with BCA

Compliance achieved by way of fire rated ceiling

2 5 Openings for service installations Clause C3 15

BCA Requirement

Where an electrical electronic plumbing mechanical ventilation or other service penetrates a building element that is required to have a FRL then it must be protected in accordance with the provisions of specification C3 15 of the BCA (eg use of fire collars fire pillows fire sealant or other approved material/construction)

Situation on site

No information has been provided in this regard however noted that new ceiling which has been installed achieved relevant fire rating

Compliance with BCA

Compliance achieved by way of fire rated ceiling



BUILDING CODE OF AUSTRALIA ASSESSMENT 2.0 – Fire Resistance

26 - Fire Resistant Levels - Type B Construction

Building Element	Required FRL		Comment	
	Class 9b (child care)	Class 4 (residential)		
External walls	(cima care)	(residential)	Clause 2 3 also makes reference to include lintels as being fire rated	
Loadbearing			· ·	
Less than 1 5m to side/rear boundary	120/120/120	90/90/90		
1 5m to 3 0m to side/rear boundary 3 m to 9 0m to side / rear boundary	120/90/60 120/30/30	90/60/30 90/30/30		
9 to less than 18m to side or rear	120/30/	90/30/		
boundary	120/00/	00,00,		
18 m or more	11	11		
Non-leadh arms				
Non loadbearing Less than 1 5 m to side or rear boundary	/120/120	/90/90		
1 5 to less than 3 0m	/90/90	/60/30		
3 0m or more	11	11		
Internal walls				
Bounding public corridors and the like				
Loadbearing	120/ /	60/60/60		
Non loadbearing	11	/60/60		
Between and bounding sole occupancy				
units				
Loadbearing	120//	60/60/60		
Non loadbearing	11	/60/60		
Other load bearing walls columns beams	120/ /	60/ /		
Floors	Not applicable	30/30/30 (or		
		equivalent)		
Roofs	11	11		

Situation on site

The external walls to the upper level do not strictly comply with the above provisions in that the fire rating is not achieved from both sides of the external wall i.e. only achieved externally owing to brick veneer construction. Notwithstanding it is also noted that the development has been recently approved by the Warringah Council under the provisions of the Building Code of Australia and in so doing would have utilised their discretionary powers.

Compliance with BCA

Compliance not achieved however considered acceptable by the local consent authority



BUILDING CODE OF AUSTRALIA ASSESSMENT 3.0 – Access & Egress

3 0 Access and Egress

3 1 Number Exits required – clause D1 2

BCA Requirement

At least two (2) exits area required from the child care centre (class 9b) and one (1) from the residential portion of the building

Situation on site

Minimum two (2) from each level provided

Compliance with BCA

Compliance achieved

3 2 Exit travel distance Clause D1 4

BCA Requirement

Class 9b (child care centre)

No point on a floor must be more than 20m from an exit or a point from which travel in different directions to 2 exits is available in which case the maximum distance to one of those exits must not exceed 40m

Class 4 portion (residential)

The entrance doorway must be no more than 6m from an exit

Situation on site

Distances achieved

Compliance with BCA

Compliance achieved

3 3 Dimensions of exits and paths of travel Clause D1 6

BCA Requirement

The unobstructed width of each exit or path of travel to an exit in a public corridor within Class 9b portion and form the class 4 portion must be not less than 1000mm

Proposed works on 1st floor

1000mm width achieved

Compliance with BCA

Compliance achieved

BUILDING CODE OF AUSTRALIA ASSESSMENT 3.0 - Access & Egress

3 4- Discharge from exits -Clause D1 10

BCA Requirement

In order to ensure that access to and from an exit are not inhibited by parked vehicles or other obstructions bollards may be required to areas which are susceptible to such (i e delivery bay area)

Where exit discharges to an open space access to the road must be via a 1m wide pathway with max of grade 1 in 8

Situation on site

Travel to a public road achieved and exits not capable of being blocked

Compliance with BCA

Compliance achieved

3 5 Treads and risers landings & thresholds – Clause D2 13 D2 15

BCA Requirement

Treads and risers in all stairs must meet specified criteria relating to the configuration of going and risers provision of non-slip finish or non-skid strip to the edge of the nosing

Minimum dimensions of landing
 Door thresholds must not incorporate a step unless provided with a ramp

Situation on site

Complies with above requirements

Compliance with BCA

Compliance achieved

3 6 Balustrades and other barriers Clause D2 16

BCA Requirement

Balustrades to balconies and similar areas where the floors are more than 1 m above the surface beneath should be at least 1 m in height and any openings within it should not permit a 125 mm sphere to pass

Situation on site

Balustrades comply with respect to overall height and maximum dimension of openings

Compliance with BCA

Compliance achieved



6

BUILDING CODE OF AUSTRALIA ASSESSMENT 3.0 – Access & Egress

3 7 Swing of doors – Clause D2 20

BCA Requirement

Doors serving as a required exit or forming part of a required exit must be provided with doors that swing in the direction of egress Exemptions are provided where the floor are of the area concerned is less than 200m2

Situation on site

Floor area less than the 200m² specified and accordingly these provisions do not apply

Compliance with BCA

Not applicable

3 8 Operation of latch Clause D2 21

BCA Requirement

Exit doors and doors in the path of travel to an exit must be provided with latching mechanisms that are single handed downward acting devices without recourse to a key located approximately 900 and 1200mm above the finished floor level

Alternatively exit latching mechanisms may be fitted with a fail safe device which automatically unlocks the door on activation of any sprinkler system complying with Specification E1 5 or smoke or heat detectors installed throughout the building

Situation on site

Doors which are been nominated as exit doors have been provided with approved latching mechanisms

Compliance with BCA

Compliance achieved

3 9- General building access requirements -Clause D3 2 and Clause D3 3

BCA Requirement

Access for persons with disabilities must be provided to the following areas in accordance with Table D3 2 and AS 1428 1 2001

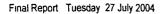
To and within all areas normally used by the public patients and staff

Situation on site

Access generally provided within the class 9b portion however access from ground level to within the building does not comply. Notwithstanding it is also noted that the development has been recently approved by the Warringah Council under the provisions of the Building Code of Australia and in so doing would have utilised their discretionary powers.

Compliance with BCA

Compliance not achieved however considered acceptable by local authority



BUILDING CODE OF AUSTRALIA ASSESSMENT 3.0 - Access & Egress

3 10– Identification signage for disabled persons facilities – Clause D3 6

BCA Requirement

In every building that is required to be accessible Braille & tactile signs incorporating the international symbol of access in accordance with AS 1428 1 must identify sanitary facilities

Situation on site

No disabled persons sanitary facilities provided Motwithstanding it is also noted that the development has been recently approved by the Warringah Council under the provisions of the Building Code of Australia and in so doing would have utilised their discretionary powers

Compliance with BCA

Compliance not achieved however considered acceptable by local authority

3 11- Tactile indicators - Clause D3 8

BCA Requirements

Tactile ground surface indicators must be provided to warn people with a vision impairment that they are approaching a publicly accessible stairway and a ramp (excluding kerb/step ramps) Indicators are to be in accordance with AS 1428 4

Situation on site

Tactile indicators not provided Notwithstanding it is also noted that the development has been recently approved by the Warringah Council under the provisions of the Building Code of Australia and in so doing would have utilised their discretionary powers

Compliance with BCA

Compliance not achieved however considered acceptable by local authority



BUILDING CODE OF AUSTRALIA ASSESSMENT 4.0 - Services & Equipment

40 - Services & Equipment

41 Fire hydrant system Clause E13

BCA Requirement

Any building with a floor area greater than 500m² needs to be serviced by a hydrant system complying with AS 2419 1 and located within 4m of an exit (if internal) or 10m from the building (if external)

Situation on site

Building is less than 500m2 in floor area

Compliance with BCA

Not applicable

4 2 Fire hose reel system Clause E1 4

BCA Requirement

Fire hose reels are required within fire compartment exceeding 500m2 in floor area. The location of such may be

- Internally within 4m of an exit
- Externally
- Adjacent to a fire hydrant or
- A combination of the above

Situation on site

Compartment size is less than 500m2 in floor area

Compliance with BCA

Not applicable

43 Portable Fire Extinguishers Clause E1 6

BCA Requirement

Class 9b Child care buildings are to be provided with portable fire extinguishers which comply with AS2444 to cover Class A (fires involving carbonaceous solids) & Class E (fires involving electrical equipment) risks

Note – A Class E fire extinguisher need only be located at each nurse/supervisors station or the like

Situation on site

Portable extinguishes provided

Compliance with BCA

Compliance achieved

BUILDING CODE OF AUSTRALIA ASSESSMENT

4.0 - Services & Equipment

4 4 Smoke hazard management Table E2 2a

BCA Requirement

Class 4 portion of the building needs to be provided with

 an automatic smoke detection and alarm system complying with BCA Specification E2 2a (AS3786)

Situation on site

An AS3786 detection system has been provided together with copies of certification to confirm such

Compliance with BCA

Compliance achieved

4 5 Emergency Lighting – Clause E4 2

BCA Requirement

In principle emergency lighting compliant with AS/NZS 2293 1 is required when the floor area of the storey concerned is more than 300m2

Situation on site

Floor area less than 300m2

Compliance with BCA

Not applicable however has been provided throughout the child care centre in the form of exit signage

46 Exit signage - Clause E45 & 46

BCA Requirement

Exit signage (compliant with AS/NZS 2293 1) is required to any building that needs to be provided with emergency lighting

Situation on site

Noted throughout various locations on site and detailed on the list of current fire safety measures however not required

Compliance with BCA

Not applicable however has been provided throughout the child care centre in the form of exit signage



BUILDING CODE OF AUSTRALIA ASSESSMENT 5.0 Health & Amenity

5 0 Health & Amenity

51 – Water proofing of wet areas – Clause F17

BCA requirement

Water proofing within the building must comply with AS 3740

Situation on site

No information has been provided in this regard

Compliance with BCA

Assumed compliance achieved

5 2 Number of sanitary facilities – Clause F2 2

BCA requirement

Facilities

For each class 9b building

- (a) a closet pan and wash basin for each 20 male and 15 female employees is required
- (b) a junior closet pan and wash basin with a rim height not exceeding 600mm for each 15 children in the early childhood centre

Situation on site

Adequate facilities provided

Compliance with BCA

Assumed compliance achieved

5 3— Construction of sanitary facilities for disabled – Clause F2 4

BCA Requirement

Sanitary facilities for people with disabilities need to be provided at the rate of 1 pan per 100 WC s designed in accordance with AS1428 1 for every WC s

Situation on site

No disabled persons sanitary facilities provided Notwithstanding it is also noted that the development has been recently approved by the Warringah Council under the provisions of the Building Code of Australia and in so doing would have utilised their discretionary powers

Compliance with BCA

Compliance not achieved however considered acceptable by local authority



BUILDING CODE OF AUSTRALIA ASSESSMENT 5.0 Health & Amenity

5 4– Construction of sanitary facilities – Clause F2 5

BCA Requirement

Sanitary facilities must be constructed in a manner to enable persons to be rescued from the enclosure in the case of an emergency. Generally, in an enclosed sanitary facility unless there is a clear space of at least 1200mm between the pan and the doorway, the door must either open outwards, slide, or must be readily openable from the outside of the sanitary compartment.

Situation on site

Door greater than 1200mm to pan

Compliance with BCA

Compliance achieved

5 5- Ventilation of rooms - Clause F4 5

BCA requirement

The internal bathrooms ensuites laundries should be provided with mechanical ventilation compliant with AS 1668 2 and AS/NZS 3666 1

Situation on site

Either exhaust fan wired in phase with light switch or alternatively door opening directly to outside

Compliance with BCA

Compliance achieved

5 6- Sound transmission and insulation - Part F5

BCA requirement

Insulation against the transmission of airborne and impact noise generated sound is required to prevent illness and loss of amenity to the occupants. In this regard the following weighted sound reduction indices (Rw) need to be achieved

- Floors between sole occupancy units Rw of not less than 45
- Walls between units separating units or unit from stairway shafts and the like Rw of not less than 45
- Walls separating sanitary compartment and the like from a habitable room in the adjoining unit. Rw of not less than 50

Situation on site

Certification provided confirming compliance with Council requirements at time of approval

Compliance with BCA

Compliance achieved



BUILDING CODE OF AUSTRALIA ASSESSMENT 5.0 Health & Amenity

5 7- Soil and waste pipes to be separated -Clause F5 6

BCA requirement

Where soil and waste pipes pass through a sole occupancy unit they need to be separated by construction having a Rw of not less than 45 when passing a habitable room and an Rw of not less than 30 if the room is a kitchen or other room

Situation on site

Certification provided confirming compliance with Council requirements at time of approval

Compliance with BCA

Compliance achieved

BUILDING CODE OF AUSTRALIA ASSESSMENT Annexure 1 – Copies of certification relied upon

6 0 - Reference material

- 1 Building Code of Australia 2004 and associated standards
- 2 Drawing prepared by H & C Design Pty Ltd

Drawing Number/Revision	Title	Dated
Not detailed	Proposed alterations and additions at No 50 Glen Street Belrose	June 1995

- 3 Site inspection undertaken 15th July 2004
- 4 Report prepared by Holmes Fire and Safety dated 15ht July 2004

BUILDING CODE OF AUSTRALIA ASSESSMENT, Annexure 1 – Copies of certification relied upon

Annexure 1 – Copies of certificates relied upon



21 April 1995

95-092L1 421

Ms Deborah Evans 50 Glen Street BELROSE NSW 2085

Dear Deborah

RE CONVERSION OF GROUND FLOOR OF RESIDENCE INTO CHILD CARE CENTRE

We present a preliminary report on meeting Council's requirements We only address Conditions 19 and the acoustic part of Condition 22 in Consent No 95/122

Please check that no other Conditions of Consent require our attention

Condition 19

Soil and waste pipes passing above habitable rooms must be separated from the habitable rooms by a construction providing a noise reduction of STC 45. A method to achieve this is now described

The method used involves three elements -

- treating the pipe
- a barrier consisting of two layers of plasterboard
- acoustic absorption in the bulkhead

The pipe is tightly spiral-wrapped twice with strips of $4kg/m^2$ loaded vinvl. Nominally strips 150mm wide are used. The pipe is completely wrapped once, with each turn of the spiral overlapping 75mm and all terminations and junctions overlapped and taped with pieces of loaded vinyl. Then the pipe is wrapped a second time in the same way but starting at the opposite end

The effect of this treatment is to provide damping of the pipe walls and to increase the effective mass of the pipe walls, thereby increasing sound transmission loss by around 15–20 dB

Two sheets of standard 13mm plasterboard will provide a barrier of around STC 30 (A sheet of 10mm plasterboard plus 13mm fire-rated plasterboard would be acceptable to achieve STC 45 overall)

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MEMBER FIRM O H AUSTRALI A DIA 10 OF OU I / CO ULTA

Provision of minimum 50mm glasswool or polyester insulation in the bulkhead will reduce the build-up of reverberant sound in the bulkhead and is an important part of the overall treatment

The overall effect of the above treatment is to provide an equivalent rating of STC 45-50

Condition 22

The Building Code of Australia requires a floor/ceiling between occupancies to have a rating not less than STC 45. This is a minimum standard for residential housing and generally provides unsatisfactory results. However, in this case where a Child Care Centre will be located over residential, and the residence is generally unoccupied during the day, then STC 45 will be satisfactory.

The existing construction is rated at around STC 33 (20mm T & G flooring over 250mm joists with a 10mm plasterboard ceiling below)

To provide STC 45 will require one of the following -

- Remove the existing ceiling fix CSR Gyprock Resilient Mounts to the underside of the joists, clip Rondo 129 furring channels into the mounts screw fix a ceiling of 13mm (minimum) fire-rated plasterboard to the furring channels Also provide R2 0 insulation batts in the cavity
- Retain the existing ceiling Fix 75mm (minimum) timber battens to the ceiling Suspend a 13mm fire-rated plasterboard ceiling from the battens using CSR Gyprock Resilient Mounts and Rondo 129 furring channels Provide 75mm (nominal) glasswool or polyester insulation material in the cavity

Notes

The perimeter of the ceiling in each room must stop short of the room walls by at least 5mm and the gap caulted with a 10mm bead of sil cone sealant or other approved (elastomeric) non-setting sealant

We can advise on other floor/ceiling options if required We can also advise if residential amenity is particularly important in daytime when the Child Care Centre is occupied

More than one layer of fire-rated plasterboard may be required in the ceiling to satisfy Council and BCA fire requirements This is outside our area of expertise

The above predictions assume the walls/ceilings are constructed according to good building practice and the material manufacturers instructions with all joins sealed and no acoustic weak links. The predictions refer to the ceilings installed as described an no allowance is made for other flanking transmission, than that normally expected through structural walls

Provided the above recommendations are followed as described or with variations approved by this office then Council's Consent Conditions will be met

We trust this information meets with your current requirements. Should you require any further details please do not hesitate to contact the writer at the number shown

Yours faithfully

Sebastian Giglio

Sebastian Glatic

PETER R KNOWLAND & ASSOCIATES PTY LTD

C C Geoff (Builder) Fax C/o 970 6460

Burgess & Arnott Pty Ltd



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CONSULTING STRUCTURAL CIVIL & HYDRAULIC ENGINEERS
61A THE CENTRE (P O BOX 69) FORESTVILLE N S W 2087
TELEPHONE 451 4411 451 6772 FAX 975 2274
A C N 001 094 855

8 January 1996 Re 7594-fswd/am

FINAL CERTIFICATE

To

STORMWATER DRAINAGE

Job No

7594

Project

PROPOSED CHILD CARE CENTRE ATTACHED TO RESIDENCE AT

50 GLEN STREET BELROSE

Inspected

22 DECEMBER 1995

An inspection was made by our firm of the work as executed It was observed that the stormwater drainage system was constructed in accordance with the approved plans. Therefore, it is our opinion this system will function in a satisfactory manner.

Yours faithfully

BURGESS & ARNOTT PTY/LTD

D A BURGESS FIE Aust Director

Mrs Evans 50 Evans Street BELROSE NSW 2085 C

NETRA HOLDINGS PTY LTD

(Incorporated in N S W) A C N 002 958 732

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North Sydney 2060
Phone (02) 959 3520 Fax (02) 955 9663
N S W Office
31 Greene Avenue Ryde N S W 2112
Phone (02) 809 3915
Plantation

96 Putty Road Reedy Creek Howes Valley via Bulga Phone (065) 79 4527

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Certificate of Compliance

For Fire Door Assemblies

IROHCI

50 Glen Street Belrose

WI (IRIII) IIIAT THE FIRE DOORSETS SUIPLIED AND LABFLLED BY US AND INSTALLED IN THIS PROJECT COMELY IN ALL RESIFCES WITH THE FOLLOWING AUSTRALIAN STANDARDS

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DOOR TAG NUMBERS ISSUED

STAIR	06ა5	-/60/30
GARAGE	0656	-/60/30
ENTRY (PAIR)	0657/0658	-/60/30

5th January 1996
DATE OF INSTALLATION

SHOOL WILL NAIS IN THE STATE OF THE STATE OF

LOR AND ON BEHALF OF Australasian Fire Doors Pty Ltd ACN 061 891 571



ATTER CONTROL OF STREET

AGRAPH OF PROFIT LAWYOR AD INCRETE: FEDILIAR

Australasian Fire Doors Pty. Ltd. ACN 061 891 521 173 South Creek Road Dee Why West NSW 2099 PO Box 1578 Dee Why NSW 2099

Tel: 02 9971 2600 Fax: 02 9971 2622

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THERE HALLERS

Steel Door Frames Solid Core Doors Acoustic Doors Security Doors Lead Lined Doors Fire Doors Special Purpose Doors Louvre Doors Bullet Resistant Doors



Fire Safety Engineering Report

ASSESSMENT OF FIRE SPREAD

Sydney

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Offices in

Australia

New Zealand

22 July 2004

Deborah Evans

For

Version B

sydney@holmesfire com



REPORT ISSUE AUTHORISATION

Project

50 Glen Street Belrose

Project No 97916

Version	Date	Status	Prepared	Reviewed
A	15 July 2004	Preliminary Issue to Client for Review	LCL	ВНЈ
В	22 July 2004	Final report	LCL	ВНЈ

Version	Extent of revision
В	Minor comment to report from PCA

This report caters specifically for the requirements for this project and this client No warranty is intended or implied for use by any third party and no responsibility is undertaken to any third party for any material contained herein

Fire safety solutions described in this report may be alternative solutions to those given by the BCA Deemed to Satisfy provisions. Consideration of protection of the building owner's property may not be included unless this ahs been specifically requested.

Written by

Fire Safety Engineer

PhD (Fire) ME (Civil) BE (Civil) Hons Grad IEAust

Reviewed by

Bevan/Jones

Fire Salety Engineer

ME (Fire) BE (Civil) Hons Grad IEAust Grad IPENZ



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1 INTRODUCTION

11 Report Purpose

The purpose of this fire engineering design report is to provide details of and assessment of the proposed fire protection strategy for the existing Class 2 and 9a building at 50 Glen Street Belrose NSW to demonstrate compliance with the Performance Requirements of the BCA for the existing windows at the southern elevation located perpendicular at 2800mm from the western boundary

12 Scope of Works

The alternative solution that is the subject of this report requires the implementation of the following scope of works in order to satisfy the Performance Requirements of the BCA

(a) The fire engineering alternative solution in this report demonstrates that the two windows at the southern elevation of the building located 2800mm perpendicular to the western boundary with standard float glass are not required to be protected



(b) A covenant is to be placed on the building title to notify the building owner that their building is the subject of an alternative fire engineered design with respect to the subject openings being to cated 2800 mm from the boundary.

NOTE It must be noted that should the openings of the subject building be increased in size or be located closer to the western boundary or if the requirements of this fire report are modified in anyway outside the recommendations of this report then the results contained within this report are no longer valid and a re analysis of the situation will be required by a suitably qualified fire safety engineer



2 BUILDING DETAILS

2.1 Description of Building

The subject building is an existing two storey building located at 50 Glen Street Belrose NSW The ground floor of the subject building is a Class 9a occupancy used as a child care area. The upper floor is currently used as a single residential occupancy. However, it is proposed to strata title the building such that the upper level will be occupied by multiple residential tenancies, and as such is considered a Class 2 occupancy. The building has a floor plate of approximately 140m, on each level.

The building has existing windows on the Ground Level and Upper Level of the southern elevation which are located at 90 degrees and 2 8m from the adjacent western boundary. Each of these windows measures approximately 1 5m high by 2 6m wide. These windows located less than 3m from the western property boundary are considered as unprotected openings as the glazing is openable standard float glass. This forms a non-compliance with the BCA DTS provisions which is the purpose of this report.

2 2 Building Code of Australia Description Summary

The general description of and subsequent requirements for the building under the current Deemed to Satisfy provisions of the BCA are as indicated in Table 2 1

Table 2 1 BCA General Description and Requirements

BCA CLAUSE	DESCRIPTION OR REQUIREMENT
Al 1 Effective Height	Less than 25 metres
A3 2 Classification	Ground Level Class 9a
	Level 1 – Class 2
C1 2 Rise in Storeys	2 with 2 storeys contained
C1 1 Type of Construction required	Type B construction
C2 2 Floor Area and Volume	Class 2 – Not Applicable
Limitations	Class 9a
	Max f/area 5 000 m²
	Max volume 30 000 m³
	These size limitations for the Class 9a occupancy are not exceeded



3 BCA REQUIREMENTS

Table 3 1 outlines the issue of non compliance with the BCA provisions that is the subject of this report

Table 3 1 Non compliance with Deemed to Satisfy provisions

Relevant BCA Clause	DTS Non Compliance	Alternative Solution	Relevant BCA Performance Requirement	Assessment Method
С3 3 b) і)	Unprotected wall areas within 3m of a boundary fire source feature	Assessment of radiant heat spread to neighbouring property from non compliant southern windows Comparison with the Performance of the DTS provisions using a quantitative risk analysis for spread from neighbouring property	CP2	Quantitative assessment in accordance with BCA A0 5 (b)(i) & A0 9 (b)(i) Verification Method for fire spread from the subject building and BCA A0 5(b)(ii) & A0 9(c) comparison with the Deemed to Satisfy for fire spread to the subject building Evaluation Extent 2 as defined in the Fire Engineering Guidelines ^[4]



4 ALTERNATIVE SOLUTION ASSESSMENT

4 1 BCA Requirements

The main issue of non compliance for this project is spread of fire. The relevant part of Performance Requirement CP 2 as relates to this alternative solution is CP2(a)(iii) which is reproduced below

CP2

(a) A building must have elements which will to the degree necessary avoid the spread of fire —

(111) between buildings

The above requires that both the scenario for spread of fire TO the neighbouring property given a fire in the subject building and ALSO spread of fire FROM a fire source feature on the neighbouring property to the subject building need to be addressed

Given this the events for spread of fire to neighbouring property and spread of fire from neighbouring property are two mutually exclusive events

Whilst we have control over the areas of unprotected openings and therefore the fire source feature that could emit radiant heat to a neighbouring property we have no control as to the fire source feature that could possibly occur on the adjoining property

As they are mutually exclusive events the methodology and acceptance criteria for spread of fire To and spread of fire From adjoining property will be discussed separately in Sections 4 2 and 4 3 respectively

4.2 Spread of Fire To Neighbouring Property

4 2 1 ASSESSMENT METHOD

As we have control over the unprotected openings within the subject building and therefore control of the fire source feature that could radiate to the neighbouring property the Verification Method CV1 can be used and the emitted radiant heat to the adjacent property boundary can be quantified through fire engineering calculations

One method of showing compliance with Performance Requirement CP2 is to demonstrate that the subject building satisfies the criteria of verification method CV1 of the BCA which states the following

Compliance with CP2(a)(iii) to avoid the spread of fire between buildings on adjoining allotments is verified when it is calculated that



- (a) a building will not cause heat flux in excess of those set out in Column 2 of Table CV1 at locations within the boundaries of an adjoining property set out in column 1 of Table CV1 where another building may be constructed and
- (b) when located at the distances from the allotment boundary set out in column 1 of Table CV1 a building is capable of withstanding the heat flux set out in column 2 of Table CV1 without ignition

Table 4 1 Table CV1 Reproduced from the BCA DTS Provisions

Location (Column 1)	Heat Flux kW/m² (Column 2)
On Boundary	80
1 m from Boundary	40
3m from Boundary	20
6m from Boundary	10

Therefore if as a result of the actual unprotected openings within the subject buildings the analysis demonstrates that the incident radiant heat imposed to the above locations does not exceed the maximum permitted at that respective distance then the design will satisfy CV1 in accordance with Clause A0 5(b)(1) and A0 9(b)(1) of the BCA thereby satisfying Performance Requirement CP2

4 2 2 HORIZONTAL AND VERTICAL FLAME PROJECTION

To estimate the vertical flame height z and the horizontal flame projection P the method as proposed in the Fire Engineering Design Guide^[2] is used

$$z = 12 8(m/w)^{2/3} h$$

$$P = 0.314h^{1.53}w^{0.53}$$

Where

z is the flame height projection above soffit opening

 \boldsymbol{P} is the projection length outside the window

m is the peak rate of burning in the room

h is the window height and

w is the window width

In this case the flame height projection above each window z is estimated to be 2.4m and the horizontal projection is calculated as 0.35m outside the window. As the upper and lower floors are not fire separated the entire building is considered a single fire compartment and therefore the worst case scenario would be to consider a fully developed fire occurring on both levels with flames projecting from both the



upper and lower windows of the building. These calculations are given in Appendix A.

As z exceeds the 1 35m vertical separation distance between the openings it is assumed that the vertical flame projection from the ground floor opening would overlap the height of the vertical separation. Therefore, the full flame height for this radiation assessment assuming flame projection from the two non compliant southern windows on the upper and ground floor is 6.75m (i.e. 1.5m + 1.35m + 1.5m + 2.4m). This is considered conservative as it is not expected that both levels will be experiencing the same phase of fire development simultaneously. I e unlikely that both levels will be flashover simultaneously with external flaming

4 2 3 COMPARISON WITH TABLE CV1 - VERIFICATION METHOD

Radiant heat calculations are carried out in this section for an assumed fire occurring on both levels of the building in order to compare the radiation levels at the distances from the boundary with the maximum levels permitted by Table CV1 Radiant heat calculations are carried out for the two windows located at the southern wall located at 2800mm perpendicular to the western boundary

The program FireCalc developed by CSIRO has been used to perform these calculations. In the calculations each of the openings on the upper floor and ground floor measure 2 6m wide by 1 5m high. The flame temperature is estimated to be 800°C (which is substantially greater than the 600°C recommended by the Fire Engineering Design Guide^[2] for external flaming). As the emissivity is conservatively assumed to be 1 we believe this to be reasonable

When the radiation calculations are determined external flaming is considered this is also conservative as the radiation area is often assumed to be the same as the window opening area. As external flaming is considered the temperature of the emitting area should reflect that of an external flame rather than the temperature inside the fire room. The scenarios to be considered include fire issuing from the windows and a fire within both levels. A scenario will also be assessed for internal flaming where the windows are considered to remain intact.

For a 90 degree radiator to the boundary the radiation on the boundary at various points along the boundary are calculated as shown in Figure 4.1. The calculated heat fluxes at various locations along the boundary are shown in Table 4.2. Full details of the calculations for different distances (1m. 3m and 6m) from the boundary are shown in Appendix B. The FireCalc calculations are available from Holmes Fire & Safety if required. The worst case radiation values at those distances are summarised in Table 4.3.

Radiation due to the sides of the flame projecting out of the openings (350mm) has also been assessed but does not present the worst case condition. These results are also presented in Appendix B



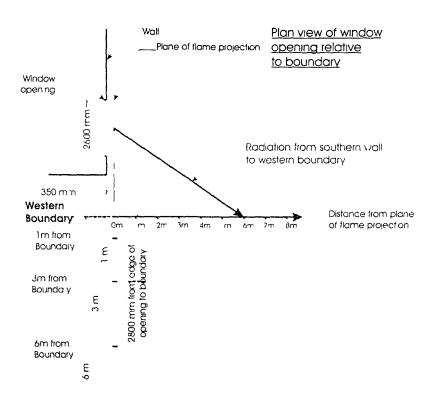


Figure 4 1 Locations Along Western Property Boundary where Radiation Heat Flux Calculations are Carried Out for a 90 Radiator from the Southern Windows

Table 4 2 Calculated Heat Flux Levels along Property Boundary due to 90 Radiator from Southern Windows with External Flaming

Distance along boundary from flame projection (m)	Heat Flux on Boundary (kW/m²)
0 (0 1)	0 5
1	4 6
2	7 3
3	8 0
4	7 5
5	67
6	5 8
7	5 0
8	4 2



Table 4 3 Summary of Calculated Maximum Heat Fluxes at Different Distances from the Property Boundary with External Flaming @ 800 C

Location	Maximum Calculated Heat Flux (kW/m²)	Maximum Permissible Heat Flux (kW/m²)	Calculated < Maximum Permissible
On Boundary	8 0	80	YES
1 m from Boundary	5 4	40	YES
3m from Boundary	3 0	20	YES
6m from Boundary	1 5	10	YES

Radiation calculations are also carried out for an internal flaming scenario where the temperature of the flame is assumed to be 1000°C and that the windows do not break For this analysis the size of the radiators is assumed to be that of the windows since it is assumed that the windows do not break and there is not external flame projection. The heat fluxes from the two windows are evaluated at the worst case locations previously determined for the external flaming conditions (See Appendix B). The results for these analyses using FireCalc are presented in Table 4.4. The results of the analyses show that the maximum calculated heat fluxes for an internal flaming situation are well below the maximum limits permitted by CV1

Table 4 4 Summary of Calculated Maximum Heat Fluxes at Different Distances from the Property Boundary with Internal Flaming @1000 C

Location	Maximum Calculated Heat Flux (kW/m²)	Maxımum Permissible Heat Flux (kW/m²)	Calculated < Maximum Permissible
On Boundary	76	80	YES
1m from Boundary	5 1	40	YES
3m from Boundary	2 7	20	YES
6m from Boundary	1 3	10	YES



4 2 4 SUMMARY - SPREAD OF FIRE TO NEIGHBOURING PROPERTY

The analysis undertaken in Appendix B and summarised in Table 4.3 demonstrates that the radiant heat levels received at various locations on and from the boundary from the subject windows acting as a 90° radiator are less than the maximum permitted values outlined in the Verification Method CV1 of the BCA thereby satisfying Performance Requirement CP2 Therefore it is considered that spread of fire to the neighbouring property from these two non compliant windows is unlikely

4.3 Fire Spread to the Subject Building From Neighbouring Property

431 INTRODUCTION

Verification Method CV1 applies a generic approach to fire spread to and from the boundary it does not specifically address the variation in received radiant heat fluxes due to different orientations of openings and fire source features. Therefore it is considered a more appropriate design approach for the subject situation to take a first principle approach to calculate the received radiant heat from a variable source and compare that with a DTS compliant situation.

To consider fire spread from the neighbouring property to the non compliant unprotected openings the alternative solution approach is to compare a building design which is fully compliant to the prescriptive provisions of the BCA with the existing situation of the subject building. The prescriptive situation used for comparison purposes is a similar Class 2 & 9a building set back 3000mm from the relevant boundary and 6000mm from a neighbouring building located on the opposite side of the boundary. The buildings are of combustible construction as permitted by the BCA (refer to Figure 4.2). The DTS case permits combustible construction to within 3000mm of the relevant boundary, therefore, two combustible structures with operable window openings may be located a minimum distance of 6000mm from each other.

The alternative solution will consider the existing case for the subject building where the separation between the unprotected opening located at 90° to the western boundary and to a neighbouring building are 2800mm and 5800mm respectively (refer to Figure 4 3). The subject building is located 2800mm from the relevant allotment boundary with a fire rated wall construction as required by the BCA DTS provisions. The adjacent neighbouring building is set back at least 3000mm from the boundary and is assumed to be compliant with the BCA DTS.



Figure 4 2 Plan view showing a DTS comparison case with 3000mm Set Back to Both Buildings

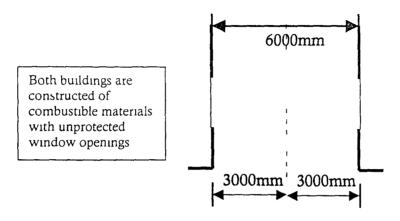
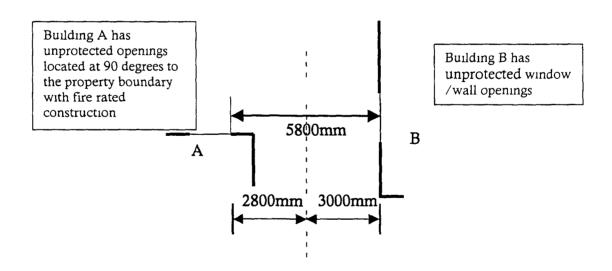


Figure 4.3 Plan view showing existing situation where non compliant openings of subject building (Building A) are located 2800mm from boundary and Building B set back 3000mm from property boundary



The assessment undertaken is a comparison of the above cases with regards to the spread of fire via radiation from a fire located at the boundary and from adjacent building openings to the window areas of the subject building

4 3 2 RESULTS OF COMPARISON WITH DEEMED TO SATISFY

The analysis detailed in Appendix C compares the radiant heat flux transmitted through the windows for both a DTS compliant situation and the subject building



as the alternative solution. The radiant heat flux calculation is performed 10 000 times in each simulation with 10 simulations in total. In each calculation a different value is chosen from the distribution assigned to the input variables. Therefore, the full range of possible outcomes is assessed. The result from the analysis is the likelihood that the allowable heat flux through the windows is exceeded.

Results from Appendix C reveal that the probability that fire spread will occur for the DTS compliant case is greater than that for the alternative solution. Therefore it is more likely that fire spread will occur from the unprotected openings of a building located 3000mm from the boundary or from a fire located at the boundary to the unprotected window openings of a DTS compliant building also located 3000mm from the boundary than the subject building with unprotected windows located at 2800mm, perpendicular to the western property boundary.

As such it is considered less likely that fire will spread to the existing building compared to a DTS compliant situation. Therefore, it is considered that the alternative solution for the existing building provides a level of safety that is at least equivalent to the DTS provisions of the BCA.

4 3 3 SUMMARY - SPREAD OF FIRE FROM NEIGHBOURING PROPERTY

Given the above discussion and the analysis detailed herein it is considered that the two windows located at the southern elevation at 2 8m perpendicular to the western property boundary is at least equivalent to the prescriptive provisions of the BCA thereby satisfying Performance Requirement CP2

4.4. Conclusions of Alternative Solution Assessment

The alternative solution assessment presented here shows that it is considered that spread of fire to the neighbouring property from these two non compliant windows is unlikely and Performance Requirement CP2 has been satisfied by satisfying Verification Method CV1 of the BCA

With regard to spread of fire from the adjacent property it is considered that the two southern windows located at 2 8m perpendicular to the western property boundary is at least equivalent to the prescriptive provisions of the BCA



5 REPORT BASIS INFORMATION

The report is based on the following

- (1) Communications with Deborah Evans and
- (11) Architectural drawings by H&C Design Pty Ltd as follows

Table 5 1 Referenced Architectural Drawing

DWG No	TITLE	DATE	ISSUE
	Proposed alterations & Additions at No 50 Glen St Frenches Forest	June 1995	

6 ASSUMPTIONS AND LIMITATIONS

The following assumptions have been made for the purpose of the fire engineering assessment

- Where not addressed within this report it is assumed that all other respects of the building comply with the DTS provisions of the BCA or compliance has been waived by the Authority having Jurisdiction or has been subjected to previous alternative design
- The assessment proposed herein is specific to the window locations and geometries for the window areas of the southern elevation (where 2800mm of the western boundary) of the building. Should these change or the distances from the boundary differ from that as detailed in the above mentioned architectural drawings, then the design proposed herein may not be valid and reassessment by a qualified fire engineer may be required.

7 CONCLUSION

This report has assessed the provision of fire safety of the existing building located at 50 Glen Street Belrose in relation to the non compliant separation distances for the unprotected openings

The objective for the design Performance Requirement CP2 of the Building Code of Australia has been satisfied

In order that the building design can satisfy the assumptions made in this analysis the items listed in the Scope of Works Section 1 2 are to be implemented



8 REFERENCES

- 1 PALISADE @Risk
- 2 Buchanan A H Fire Engineering Design C., de Scoond Euition Centre for Advanced Engineering University of Canterbury 2001
- 3 SFPE Handbook of Fire Protection Engineering 2 d Edition Society of Fire Protection Engineers National Fire Protection Association 1995
- 4 ABCB Fire Safety Engineering Guidelines 2001 Edition
- Australian Standards AS1530 1 Methods for Fire Tests on Building Materials Components and Structures Part 1 Combustibility Test for Materials 1994
- 6 Babrauskas V Abstract for Interflam 2001 Ignition of Wood A Review of the State of Art 2000
- 7 Babrauskas V Fire Science and Technology Inc Glass Breakage in Fires abstracted from www doctorfire com

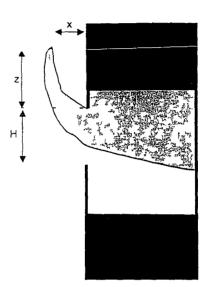


APPENDIX A -FLAME PROJECTION CALCULATIONS

Flame Projection from Window Opening

Room Depth	ם	4	m
Room Width	W	67	m
Room Height	Н	30	m
F e Load Energy De s ty	FLED	400	MJ/m
Calorfc Val. e of Fuel	ΛHc	16 0	MJ/kg
Window W dth	W	2 60	m
W ndow He ght	Н	1 50	m

M thod of Buchan n				
Total Flame He ght (window height + project on)	Z.	Τ	3 90	m
Project on above soffet of open ng		Z	2 40	m
Honzontal reach out from open ng face		X.	0 35	m





APPENDIX B - RADIATION HEAT FLUX CALCULATIONS

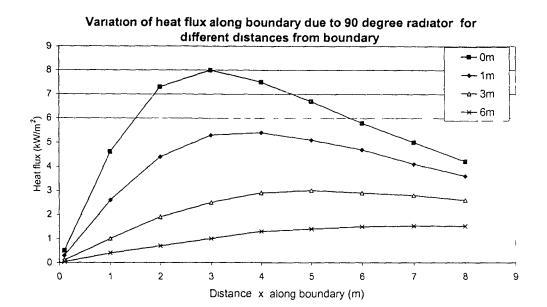
RADIATION CALCULATIONS FROM PLANE OF 90 DEGREE RADIATOR (WINDOWS ON SOUTHERN ELEVATION) TO THE WESTERN PROPERTY BOUNDARY

opening width	2 6m
opening height	6 75m (Assuming flaming from both compartments)
flame temp	800 celcius
opening factor	100%
Minimum distance	
of opening to bdy	2 8 m
off set to bdy from	41 m
centroid of	
opening(Yx)	

Heat flux values at distances along the length from 90 degree projector to adjacent boundary Values in kW/m²

Distance from boundary	0m	1m	3m	6m
Offset from boundary	4 1	51	71	10 1
X distance from 0 1	0.5	03	01	0.0
flame projection 1	4 6	26	10	04
2	73	4 4	19	07
3	80	53	25	10
4	75	54	29	13
5	67	51	30	14
6	58	47	29	15
7	50	4 1	28	15
8	4 2	3 6	26	15
Maximum heat flux	8.0	5 4	3 0	15
Summary	< 80kw/m² ? Yes	< 40kw/m² ? Yes	< 20kw/m ² ? Yes	< 10kw/m ² ? Yes





RADIATION FROM SIDES (350MM) OF FLAME PROJECTION TO THE WESTERN PROPERTY BOUNDARY

Radiation due to sides of flame projecting from window

opening width	0 35m	(Flame horizontal projection)
opening height	6 75m	
flame temp	800	
opening factor	100%	
Minimum distance		
of opening to bdy	28	

Heat flux values from a parallel heat source at different distances from boundary

Distance from boundary h	Heat flux	Sumr	mary
™ ® Om ~ ¹	4 1	< 80kw/m² ?	Yes
~ M M M *	27	< 40kw/m² ?	Yes
^क ि के 3m %	1 39	< 20kw/m² ?	Yes
្ន ដីវិ 6m	0 67	< 10kw/m²?	Yes



APPENDIX C -RADIATION FROM NEIGHBOURING PROPERTY

PURPOSE

The purpose of the analysis described in this section is to demonstrate hat although he unprotected openings in the building are as close as 2800 mm from the property boundary the radiant heat threat from the openings is less than that from an opening that satisfies the BCA DTS provisions. As such the existing residential building provides an equivalent level of safety as to that which a development complying with the BCA DTS provisions would provide. Hence this report is submitted as an alternative solution, where the assessment method is a comparison with the deemed to satisfy provisions.

BACKGROUND

Under the DTS provisions a Class 2 and 9a building that is built further than 3000mm back from the property boundary will not require any fire rating to the external wall no fire protection to openings in the external walls and permits the use of combustible eave construction if not less than 3000mm from the boundary Further there is no limitation on the size of an unprotected opening in an external wall if it is located further than 3000mm from the boundary. As such the entire wall of a property could be glazed or even open if it was located further than 3000mm from the property boundary.

Compliance with the BCA DTS provisions is deemed to provide an acceptable level of fire safety. Since it is not possible to know the properties of any future adjacent building calculations have to be made for various window sizes. The temperatures in the fire compartment and any flames outsides and within the building cannot be anticipated, this requires the calculation to be made for various temperatures as well. The calculations are executed by using the software @Risk^[1]. The considered scenarios are fire in adjoining building located 3000mm back from the boundary and a fire at the boundary. In accordance with the DTS provisions the opening would not require any protection of the window and the window would be permitted to be open (i.e. without glazing). The level of radiant heat threat from this opening to the adjacent property is deemed acceptable under the BCA as the design case satisfies the DTS provisions. The analysis is dependent on the separation distance between the buildings. Should the distance between the buildings be reduced to less than what has been used in this analysis. then the results of this report are void and re analysis is required.

FIRE SCENARIOS

Two fire scenarios are considered with each scenario evaluating the performance of a building exposed to a fire located at the boundary and a fire in a building located 3000mm on the other side of the boundary. The first scenario will evaluate the DTS compliant building located 3000mm from the boundary and 6000mm from the adjacent building on the other side of the boundary. In this scenario, the openings are located parallel to each other and also to the boundary.



The second scenario looks at the existing building where the unprotected openings are located at 90 degrees 2800mm from the boundary and 5800mm from the adjacent building located on the opposite side of the boundary

ASSESSMENT CRITERIA

The radiant heat threat from the boundary and neighbouring building to the window areas of the subject building will be acceptable if it can be demonstrated that the alternative solution is at least equal to the Deemed To Satisfy solution

RADIANT HEAT FLUX CALCULATIONS

Calculation Overview

A spreadsheet is set up to enable a comparison of DTS and Alternative Solution. The radiative heat flux is assessed at two locations, the boundary of the property 2800 mm, and at a distance 5800 mm away, to represent an external wall on a neighbouring BCA compliant building. At each location, the radiant heat flux is assessed for the range of temperatures expected in a compartment fire 400 C (early stage of fire) and 1000 C (after flashover).

Calculation Theory

The method used to determine the radiation is published in the SFPE Handbook^[3] This method calculates the emitted heat flux from radiation sources at different positions in different planes by utilising the following equations

$$dQ = \varepsilon \sigma T^4 \frac{\cos \alpha \cos \beta}{\pi r^2} dF_1 dF_2$$

$$Q = \varepsilon \sigma T^4 \int \frac{\cos \alpha \cos \beta}{\pi r^2} dF_1$$

Where

T is the emitter temperature (K)

O is the heat flux incident at a point (kW/m^2)

r is the distance to the radiant source (m)

 α β are the angles between the source and the point (degrees)

 dF_1 dF_2 are infinitesimal areas of the radiant and receptor sources (m²)

 ε is the emissivity which is dependent on the thickness of the flame and the absorption coefficient

The flame height and the flame projection throughout the window is utilized by using the methods described in [2] and has been presented in Appendix A



The spreadsheet

The radiant heat flux used to anticipate if ignition of combustibles occurs in both in DTS and Alternative Solution is calculated by using the method described in SFPE Handbook^[3] If the permitted received heat flux is exceeded for each scenario then the solution is considered to fail

For the DTS Solution the received radiant heat flux $Q_{R\,DTS}$ is calculated and compared to the radiant heat flux where ignition of combustibles within the building is assumed to occur at $(10-13~kW/m^2)^{[2]-[3]-[4]-[5]}$. It must be noted that the same failure criteria (incident heat flux of $10kW/m^2$ within the compartment) has been considered for both the DTS and alternative solutions. A heat flux of approximately $10kW/m^2$ is generally accepted for piloted ignition of light combustibles such as curtains

For the simulations a safety number SN is defined by giving failure the value 1 and success the value 0. Since the window size of any future adjacent building, the temperatures in the fire compartment and any flames outsides and within the building cannot be anticipated. SN must be executed by varying these parameters. To ensure that the level of safety is examined for every reasonable combination of window height window height fire height fire radius and the temperature. SN simulations each formed by 10 000 iterations of the spreadsheet is carried out. The calculations are executed by running Latin Hypercube simulation in the software SN mean values of SN and SN are determined and the comparison between the DTS and Alternative Solution is possible. If the mean values of SN is SN the Alternative Solution is considered to be at least equivalent to the DTS situation.

To take account of the possible variations within each input variable a distribution is assigned. For this comparative analysis the accuracy in which each input variable is defined by a distribution has minimal influence on the results as both the DTS and Alternative Solution use the same distributions.

Non Variable Input Values

Scenario	Incident Heat Flux (kW/m²)	Separation Distance to Boundary (mm)	Separation Distance to Neighbouring Building (mm)
DTS	10*	3000	6000
Alternative Solution	10*	2800	5800

^{*} Heat flux at which piloted ignition will occur for light combustible items



RESULTS

The calculation theory shown in this assessment demonstrates that the radiant heat flux incident on a surface is inversely proportional to the distance between the radiant heat source and the point being considered. This is related to the calculation of the view factor As such the 200 mm difference between a 90° opening located at 2800mm to the boundary as opposed to a opening located parallel to the boundary at 3000mm makes a small difference to the radiation heat flux levels that are experienced. In those cases in the Alternative Solution where the incipient radiation on the combustible items exceed the radiation limit for ignition of combustibles (10kW/m^2 in this analysis) the corresponding radiant heat flux in DTS solution will cause ignition of combustibles. This cannot be applied inversely i.e. all DTS solution that will fail does not correspond to a failure of the Alternative Solution. This is clearly illustrated by the comparison of the Safety Numbers. SN_{AS} and SN_{DTS} which have the average values 0.29 and 0.84 respectively which implies that it is more likely that the DTS solution will fail than the corresponding Alternative Solution.

As such HFS believes that the subject building with the openings located at 2800mm perpendicular to the western property boundary has a level of safety that is equivalent to the DTS provisions with regard to fire spread from a neighbouring property

The following diagram is a printout of the analysis spreadsheet



	Building class (2		
		海绵河28钟到超	RESULTS		
Glass Breakage Radiant Flux (kw/m)		2個地區 40個 2000 2000 2000 2000 2000 2000 2000	Alternative Solution safer		
Ignition Heat Flux (kV	V/m)		10	or equal to DTS	
Reduction Factor			1	Yes	
	Window He	opt (m)	2 ช7	Heat Flux Exposure	
Fire in compartment	Window Wi	dth (m)	8 4	Fire in C	Compartment
	Fire Widti	n (m)	3 2	Q _{R DTS}	Q _{R OW} (e 1 d g red ct facto)
	Fire Heigh	nt (m)	3 166666667	25 32	8 59
_	Flame Tempe				
Fire at Boundary	(Boundary)		906 3333333	Heat FI	ux Exposure
	Flame Temperature K (Compartment)		1056 33	Fire at Boundary	
DTS Separation Dista	TS Separation Distance to Boundary (m)		3	Q _{R DTS}	$Q_{R,OW}$ (e cl d g reduct facto.)
Assumed emmisivity		1	10 01	3 41	
Outp	ut from @RI	SK analy	/SIS		
Simulation	DTS	AS	Result		
1	0 8416	0 2911	OK		
2	0 8431	0 2909	OK		
3	0 8371	0 2998	ок		
4	0 8399	0 2883	OK		
5	0 8398	0 2892	OK		
6	0 8398	0 2972	ОК		
7	0 838	0 2969	OK		
8	0 8392	0 2929	OK		
9 10	0 8334	0 2939	OK OK		
10	0 8465	0 2902	OK		

This spreadsheet estimates the level of fire safety using toughened glass or radiant heat attenuation screens as an alternative solution when offset to boundary is less than DTS minimum permitted. Note that it is only valid if flame projection from neighbouring building does not impinge on glass. Both fire in adjacent building and fire at boundary is evaluated the internal proportion of these fires is not considered.

The glazing in the DTS solution is assumed to break and/or be open before.

The glazing in the DTS solution is assumed to break and/or be open before combustion will occur. DTS solution will therefore fail when received radiant heat reaches limit for combustion with pilot flame.

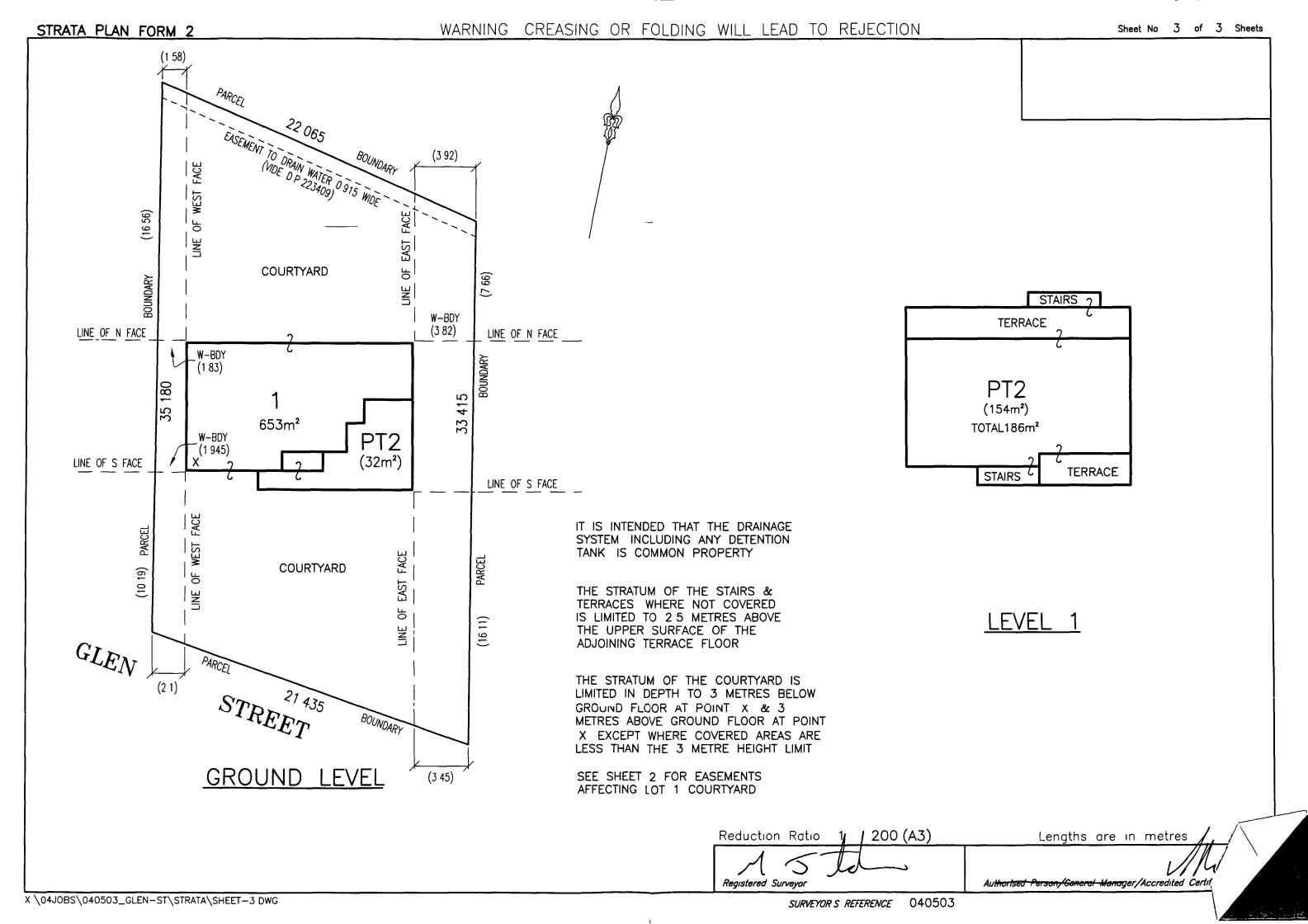
Instructions

Type inputs (grey cells)

Assign distributions to white cells and ignition heat fluxes Run simulation in @Risk for 10 simulations at 10000 iterations each Paste mean values prabability of ignition in Output entry cells (very bottom on the left)

The calculation method is detailed on page 77 77 of the Fire Engineering Design Guide second Edition and Chapter 2 4 the SFPE Handbook

ed Person/General Manager/Accredited Certifier



Strata Certificate

*Mame of Council/Accredited Certifier ANTHONY ALLENg sat sfed that the equ ements of the Strata Schemes (Freehold Development) Act 1973 or Strata Schemes (Leaschold Development) Act 1986 have been compled with approves of the proposed

strata plan/ strata plan of subdivision

llustrated in the annexure to this certificate

the accredited certifier is satisfied that the plan is consistent with a relevant development consent in force and that all conditions of the development consent that by its terms are required to be complied with before a strata certificate may be issued have been complied with

The strate plan/strate plan of subdimeron is part of a development scheme. The council/accredited certifier is satisfied that the plan is consistent with any applicable conditions of any development consent and that the plan is effect to the stage of the strate development contract to which it relates.

*The council does not object to the encroachment of the building beyond the alignment of

The accredited certifier is satisfied that the the building complies with a relevant development consent in face that allows the encroachment

*This approval a given on the condition that the use of lot(s)

(being utility ot/s designed to be used primarly for the storage or accommodation of boats motor vehicles or goods and not for human occupation as a residence office shop or the like) a restricted to the proprietor or occupier of a lot or proposed lot (not being such a utility lot) the subject of the strata scheme concerned as referred to in section 39 of the Strata Schemes (Freehold Development)

Act 1973 or section 68 of the Strata Schemes (Leasehold Development)

Date 23/09/04

*Complete or delete if applicable

Subd vis on No 131/2004

Accreditation No PSOA 008

Rele ant Development Consent No 95/122 Issued By WARRINGAH COUNCIL

Me

uthonsed Person/Ceneral Manager/Accredited Certifie

Surveyors Certificate
, MARK JOHN ANDREW of DENNY LINKER & CO

of LEVEL 5 17 RANDLE STREET SURRY HILLS NSW 2010
a surveyor registered under the Surveying Act 2002 hereby

(1) each applicable requirement of
Schedule 1A to the Strata Schemes (Freehold
Development) Act 1973

-Schodule 1A to the Strate Schemes (Leaseh Development) Act, 1985 has been met

(2) *(a) the building encreaches on a public place:

(b) the building encreaches on land

(other than a public place) in respect of which encreachment an appropriate easement

*has been created by registered +
s to be created under section 888 of the
Conveysnoing Act 1919

(3) the survey information recorded in the accompanying location plan is accurate

Signature M 5 Hd

Date 23 9 04

Delete f nappl able
+ State whethe dealing or pla a d quote registe ed numbe

THIS IS SHEET 1 OF MY PLAN IN 3 SHEETS

PLAN OF SUBDIVISION OF LOT 50 IN D.P.

LGA WARPINGAH

Parish MANLY COVE

Suburb/Locality BELROSE

Purpose

Registered

Ref Map

Last Plan

Name of and address for service of notices on the owners corporatio (Address required on

original strata plan only)

THE OWNERS
STRATA PLAN No
No 50 GLEN STREET
BELROSE 2085

1710 10 011221 1 01 1111 1 0111 111 0 011221

* Model By laws adopted for this scheme
Keeping of Animals * Option A/B/C

* Schedule of By-laws in sheets filed with plan

* No By-Laws apply

*St ke out whiche er s napplicable

SCHEDULE OF UNIT ENTITLEMENT

Lot No UE
1 540
2 460
TOTAL 1000

FOR LOCATION PLAN SEE SHEET 2

County **CUMBERLAND**

Signatures seals and statements of intention to create easements restrictions on the use of land or positive covenants

PURSUANT TO SEC 88B OF THE CONVEYANCING ACT 1919 AND SECTION 7(3) OF THE STRATA SCHEMES (FREEHOLD DEVELOPMENT) ACT 1973 IT IS INTENDED TO CREATE

1 EASEMENT FOR ACCESS & LETTER BOX

2 EASEMENT FOR USE OF GARBAGE AREA

3 EASEMENT FOR SERVICES





Civic Centre 725 Pittwater Road (enter Civic Drive) DEE WHY NSW 2099 DX 9118 Dee Why Ph (02) 9942 2111 Fax (02) 9942 2612

Determination of a Final Occupation Certificate Application

made under Sections 109C(1)(c) and 109H of the Environmental Planning and Assessment Amendment Act

Final Occupation Certificate No 1685/95

Land to which this certificate applies

Address 50 Glen Street Belrose

Lot 2

DP 223409

Class 4 and 9b

Portion subject to Final Occupation Certificate Two Storey Building comprising a Day Care Centre and First Floor Residence

Owner Deborah Gay Evans

Warringah Council certifies that

- It has been appointed as the principal certifying authority under S109E
- A development consent/complying development certificate is in force with respect to the building
- A construction certificate has been issued with respect to the plans and specifications for the building
- The building is suitable for occupation or use in accordance with its classification under the Building Code of Australia
- Where required a final fire safety certificate has been issued for the building
- Where required a report from the Commissioner of Fire Brigades has been considered

Note This Final Occupation Certificate supersedes any Interim Occupation Certificate issued previously

DATED 9 February 2005

Gordon Maccallum

Development Inspection Officer Planning and Assessment Services

GR Manale





Civic Centre 725 Pittwater Road (enter Civic Drive) DEE WHY NSW 2099 DX 9118 Dee Why Ph (02) 9942 2111 Fax (02) 9942 2612

Notice to Applicant of Determination of an Occupation Certificate Application

Made under the Environmental Planning and Assessment Act 1979

Certificate No 1685/95

Deborah Evans 12 Seychelles Court Burleigh Heads QLD 4220

Description of Land Lot 2 DP 223409 (50 Glen Street Belrose)

Class Class 4 and 9b Two Storey Building comprising a Day Care Centre and First Floor Residence

Warringah Council pursuant to Sections 109C(1)(c) and 109H of the Environmental Planning and Assessment Act hereby **CONSENTS** to the issue of a Final Occupation Certificate for the land described above

DATED This Ninth day of February 2005

G.R. Maccall -

Gordon Maccallum

Development Inspection Officer

Planning and Assessment Services





HB 1887/50 C GM JB/8022h Mr Gabriel Mafi Mobile Ph 015 664215 8 30 10am, Mon Fri

24th January 1996

D & J Evans 50 Glen Street BELROSE NSW 2085

Dear Sır/Madam

RE Refund of Security Deposit Premises Lot 2 No 50 Glen Street, Belrose

Reference is made to the payment of a Security Deposit of \$1 000 pursuant to condition No 7 of Development Consent No 95/122 in relation to the above project

Please find enclosed a cheque for the above amount as the Security Deposit is no longer required

Yours faithfully

A CAPONAS

SENIOR DEVELOPMENT OFFICER, SOUTH

012074363 10/11/1995

Tel (02) 9982 0333 Fax (02) 9971 4522 TTY No 99820434 DX 9118 Dee Why



HB 1887/50 C GM JB/8022h Mr Gabriel Mafi Mobile Ph 015 664215 8 30 10am, Mon Fri

24th January, 1996

D & J Evans 50 Glen Street BELROSE NSW 2085

Dear Sır/Madam

RE Refund of Security Deposit Premises Lot 2, No 50 Glen Street, Belrose

Reference is made to the payment of a Security Deposit of \$1 000 pursuant to condition No 7 of Development Consent No 95/122 in relation to the above project

Please find enclosed a cheque for the above amount as the Security Deposit is no longer required

Yours faithfully

A CAPONAS

SENIOR DEVELOPMENT OFFICER, SOUTH

012024363

D & I Evans

50 GLEN ST

BELROSE

G Mafi Health & Building Surveyor

40221

SP DB/1067h **, Health & Building Dept 8 30-10am, Mon Fri

31st May 1994

Dear Sir/Madam,

Refund of Security Deposit Premises Lot 2 (No 50) Re GLEN ST

BELROSE Reference is made to the payment of a Security Deposit of \$1000 pursuant to

of Development Consent No 95/122 in relation to the condition No above project

Please find enclosed a cheque for the above amount as the Security Deposit is no longer required

Yours faithfully,

D STRAY

Manager - Development Branch 1

Steps to be taken for refund of Security Deposit

- Make sure that the applicant for refund is the same as the name on the 1 receipt for the deposit
- If the applicant for the refund is \underline{not} the same as the receipt name then it 2 will be necessary to obtain written authorisation from the person who paid the deposit



0359P

CERTIFICATE OF CLASSIFICATION

Local Government Act 1993

Certificate No

No 359

Application Reference

HB1887/50-C BA 1685/95

Counc11

Warringah

Date of Certificate

19th January 1996

Building No or Name No 50 Street Glen Street

Village Belrose Postcode 2085

Lot 2 Section

DP 223409

County Cumberland Parish Manly Cove

Owner's Name

P & J Evans

Owner s Address

50 Glen Street Belrose NSW 2085

Applicant s Name

As above

Applicant s Address

I certify that the several parts of the building described above are classified as follows

Part Class

Class 4

Class 9b

Top Floor Ground Floor

General Manager

Der A Cofonos

#b

WARRINGAH COUNCIL

BUILDERS' ROAD RESERVE/KERB SECURITY DEPOSIT

REFUND APPLICATION

I hereby certify the building works at the above property are now complete and request a refund of the Security Deposit Description of Building Works Description of Building Works Day Care Centre Name of Applicant Postal Address Signed Date OFFICE USE ONLY Engineer Account No EF File No Memo to The details given by the applicant are correct Please arrange, subject to no further building work being carried out that is liable to lead to damage of the road infrastructure, that (a) \$ be refunded (b) \$ be transferred to Restoration Account (160) 18120 Engineer Date Building Inspector Building works with all relevant conditions have now been completed	Street GLEN S House No 50 Lo Deposit paid in the name of Amount \$200 - Rece	of DOTE EVANS	Balpose No 223409 Se 10-11-95
Name of Deborah Evans Ph (H) 975 6926 (W) 335 7481 Postal Address So Gles St Belrose Signed Per Date OFFICE USE ONLY Engineer Account No EF File No Memo to The details given by the applicant are correct Please arrange, subject to no further building work being carried out that is liable to lead to damage of the road infrastructure, that (a) \$ be refunded (b) \$ be transferred to Restoration Account (160) 18120 Engineer Date Building inspector Building works with all relevant conditions have now been completed	•		erty are now complete
Applicant Deborah RVans Ph (H) 975 6926 (W) 335 7481 Postal Address So Clean St Belinose Signed Date OFFICE USE ONLY Engineer Account No EF File No Memo to The details given by the applicant are correct Please arrange, subject to no further building work being carried out that is liable to lead to damage of the road infrastructure, that (a) \$ be refunded (b) \$ be transferred to Restoration Account (160) 18120 Engineer Date Building Inspector Building works with all relevant conditions have now been completed	Description of Building Wo	orks Long Day Co	are Centre
Engineer Account No EF File No Memo to The details given by the applicant are correct Please arrange, subject to no further building work being carried out that is liable to lead to damage of the road infrastructure, that (a) \$ be refunded (b) \$ be transferred to Restoration Account (160) 18120 Engineer Date Building works with all relevant conditions have now been completed	Applicant Seborah Postal Address 50 C	_	6926 (W) 335 7481 e
Memo to The details given by the applicant are correct Please arrange, subject to no further building work being carried out that is liable to lead to damage of the road infrastructure, that (a) \$ be refunded (b) \$ be transferred to Restoration Account (160) 18120 Engineer Date Building inspector Building works with all relevant conditions have now been completed	OFFICE USE ONLY		
Please arrange, subject to no further building work being carried out that is liable to lead to damage of the road infrastructure, that (a) \$ be refunded (b) \$ be transferred to Restoration Account (160) 18120 Engineer Date Building linspector Building works with all relevant conditions have now been completed	Engineer	Account No	EF File No
Building Inspector Building works with all relevant conditions have now been completed	_	Please arrange, subject to being carried out that is in of the road infrastructure, (a) \$ be refused by the betrain the betrained by the betrain the	o no further building work able to lead to damage that unded nsferred to Restoration
now been completed	Engineer [.]	Date	e
Communic X/a/1/2 tactord	Building Inspector	_	evant conditions have
Inspector Date 16-1-96	Comments Xalustace Inspector	Jen Date	e 16-1-96

Treasury

Voucher No Accounts Clerk.

Date

Ŋ

ENVIRONMENTAL MANAGEMENT DIVISION COMMENT FORM

MEMO TO TOWN PANNIE	COMPUTER NO
FROM ⁻	EXT DATE:
YOUR COMMENTS ARE REQUESTED FINAL INSPECTION - CHILI	IN RESPECT OF
CONSENT NO. 95/122	•
TYPE OF STRUCTURE PROPOSED (V	WHERE APPLICABLE)
SUBJECT LAND/ADDRESS LOT	DP
STREET NO 50 STREET	GUEN STREET
SUBURB <u>Jelnose</u>	105A6570N 15/1/96
COMMENT FORMER TO TOWN	RANNING MEMO DIED 5/1/96 AN
AMITIONAL INSPECTION WAS CO LANGCAPINE SORICS HAVE BE	ANCIED OUT AND THE OUTSTANDING TEN COMMETED
THEREFORE TOWN RAMING	RAYSES NO PORTURER ONSECTIONS
SIGNATURE Salully	DATE 15/1/196

REGULATION OF BUILDING STANDARDS FORM 6 CERTIFICATE OF COMPLIANCE MAINTENANCE OF ESSENTIAL SERVICES AS2444

Local Government (Approval) Regulation 1993

City/Municipality/Shire of

Date of Certificate

5 DECEMBER 1995

Building No / Name

POSSUMS IN THE GLEN

KINDERGARTEN

Street

50 GLEN STREET

District/Town/Village

BELROSE

Postcode

2085

Owners Name

Deborah Guans

Owners Address

50 Glen Street, Belrose

Nature of Essential Services	Date of Inspection	Name & Address of person by whom inspected	Was the service found to have been maintained to the relevant standard (YES/NO)
FIRE BLANKET EXTINGUISHERS	5 1 96 5 1 96	MERRILYN JACKSON	YES YES
		For and on behalf of Automatic Fire Services 2/44 Boorea Street Lidcombe NSW 2141	

I Delborah Guans of 50 Che

of 50 Colon St, Beliase

certify that to the best of my knowledge and belief the information contained in this Certificate is true and accurate and that each service has been inspected and tested by a person who is competent to carry out such an inspection and test

(Owner/Agent)

Burgess & Arnott Pty Ltd

CONSULTING STRUCTURAL CIVIL & HYDRAULIC ENGINEERS
61A THE CENTRE (PO BOX 69) FORESTVILLE N S W 2087
December 1995 TELEPHONE 451 4411 451 6772 FAX 975 2274

Re 7594 01/ba A C N 001 094 855

STRUCTURAL CERTIFICATE

ON dol

7594

Project

PROPOSED CHILD CARE CENTRE ATTACHED TO RESIDENCE AT 50 GLEN STREET BELROSE

Date

18 DECEMBER 1995

We wish to advise that the following structural components were inspected by our firm and approved

ITEMS INSPECTED

REINFORCEMENT TO DETENTION TANK BASE

Based on the above it is our opinion that this construction will be structurally adequate

APPROVED BY

D A Burgess M I E Aust Chartered Engineer

Director

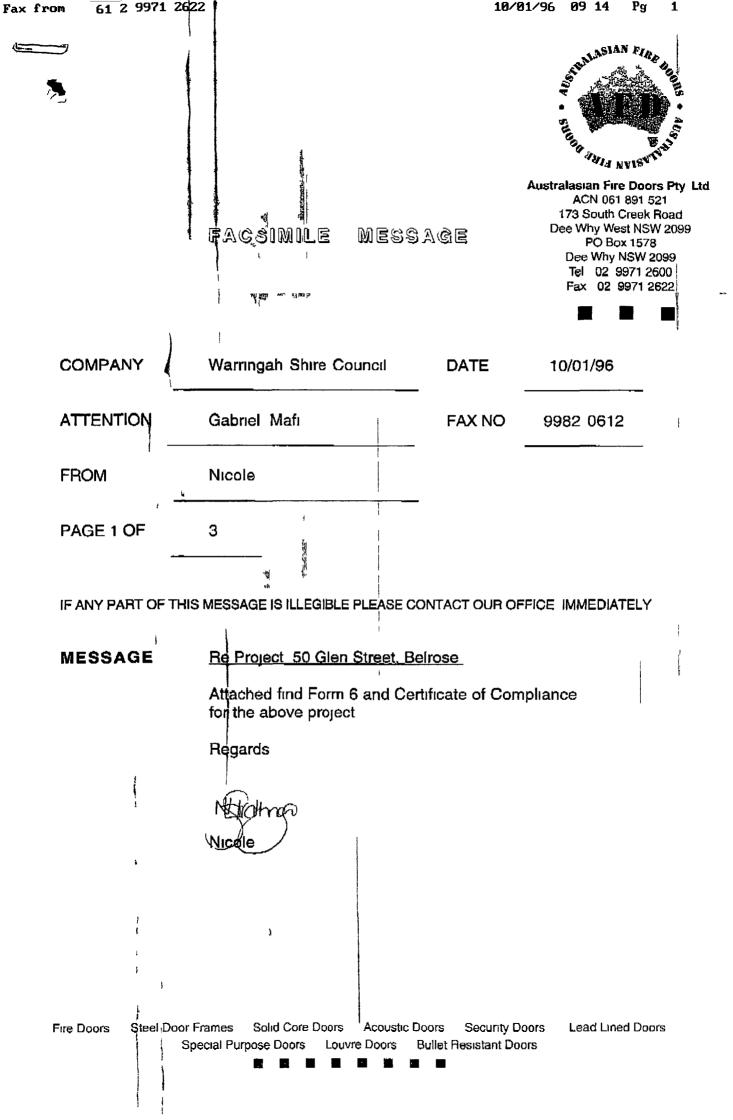
Mr & Mrs J Evans 50 Glen St BELROSE NSW 2085

1887/50 -

ENVIRONMENTAL MANAGEMENT DIVISION COMMENT FORM
MEMO TO. 700 Planie COMPUTER NO. 30984 FROM. Decence 5 EXT. DATE: 2196
YOUR COMMENTS ARE REQUESTED IN RESPECT OF Child Care Centre. 95/122.
TYPE OF STRUCTURE PROPOSED (WHERE APPLICABLE)
SUBJECT LAND/ADDRESS LOT DP
STREET NO STREET Gle St. SUBURB Belose WARROW 5/1/86
COMMENT RD COURSE NO. 95/102, DATED 2 MACH 895
IT IS NOTED THAT I DISTON OF THE CANDISCAPANE DOLLS ME. SALL MEDIALISE HOWEVER TO MISES NO OBSTACTIONS TO ISUE OF PANK. THE MARMONAL DOLL WILL BE COMMETTED ASAP AND TO WILL PENSSIECT
SIGNATURE SILLY DATE SILVE

ENVIRONMENTAL MANAGEMENT DIVISION COMMENT FORM

MEMO TO: DHalliston COMPUTER NO: 30984. FROM. Decends EXT: DATE: 2196.
FROM. Demos EXT: DATE: 2196.
YOUR COMMENTS ARE REQUESTED IN RESPECT OF
i Child Care Certie Carel 95/122
TYPE OF STRUCTURE PROPOSED (WHERE APPLICABLE)
SUBJECT LAND/ADDRESS LOTDP STREET NO SO STREET Slan St
SUBURB Believe
COMMENT + Is of 5/1/96 have not received OSD certification
work on nature Strip (1E Domenay botter + turf) Sound Jonethe 5/1/96
- Changemen 8/1/96
SIGNATURE DATE



Form 6

CERTIFICATE OF COMPLIANCE

SECRETARIAN DINA

Australasian Fire Doors Pty Ltd

ACN 061 891 521 173 South Creek Road Dee Why West NSW 2099 PO Box 1578 Dee Why NSW 2099 Tel 02 9971 2600 Fax 02 9971 2622

Local Government Act 1919

DESIGN AND INSTALLATION OF ESSENTIAL SERVICES

Ordinance No 70

Application	Reference _		
*City/Munic	ipality/shir	e of W	NARRINGAH
Date of Cer	tification_	<u>5</u> TH_JA	NOARY, 1995
Building No	or Name	<u> NO 50</u>	
Street		GI LN STRULI	
*District/i	own/Village_	BL1 ROSE	Postcode2085
Owner's Nam	e		
_ •			
Nature of essential service	Date of inspection or test	Name & Address of person by whom service was inspected/ tested	installed and to be
FIRE DOORS	05/01/96	STUART GALLIMORI 173 SOUTH (RLIK F DEE WHY WEST 208	
			ASTAN FIRE DOORS PTY LIO
certity tha	t the intorm	ation contained in	this certificate is to

* Delete whichever is inapplicable

the best of my knowledge and belief

Fire Doors Steel Door Frames Solid Core Doors Acoustic Doors Security Doors Lead Lined Doors

Special Purpose Doors Louvre Doors Bullet Resistant Doors

true and accurate

*Owner/Agent

Certificate of Compliance

For Fire Door Assemblies

PROHEL

50 Glen Street Belrose

WI (TRILLY FLIAT THE FIRE DOORSETS SUPPLIED AND LABELLED BY US AND INSTALLED IN THIS PROJECT COMPLY IN ALL RESPECTS WITH THE FOLLOWING AUSTRALIAN STANDARDS

IS 1530 PART 4 - FIRI RISISTANCL TESTS OF STRUCTURES

15 7890

- TIILRMALLY RI LI ASI D LINK (applicable)

IS 1905 LART 1 - FIRE DOORS

AND THAT THE SAID DOORSETS HAVE BEEN LABELLED AND ARE HERIBY CERTIFIED AS REQUIRED BY STATUTORY OR OTHER REGULATORY AUTHORITIES IN ACCORDANCE WITH CLAUSES 10 AND 11 OF AS 1905 PART 1

DOOR TAG NUMBERS ISSUED

STAIR	0655	-/60/30
GARAGE	0656	-/b0/30
ENTRY (PAIR)	0657/0658	-/60/30

5th January, 1996
DATI ON INSTALLATION

Steary divided the public of t

LOR AND ON BEHALF OF Australasien Fire Doors Ply Lid



Burgess & Arnott Pty Ltd

All Correspondence PO Box 69 Forestville 2087

CONSULTING STRUCTURAL CIVIL & HYDRAULIC ENGINEERS 61A THE CENTRE (PO BOX 69) FORESTVILLE NSW 2087 TELEPHONE 451 4411 451 6772 FAX 975 2274 ACN 001 094 855

8 January 1996 Re: 7594-fswd/am

FINAL CERTIFICATE

' BUILDING 19 JAN 1996

To

STORMWATER DRAINAGE

Job No:

7594

Project

PROPOSED CHILD CARE CENTRE ATTACHED TO RESIDENCE AT

50 GLEN STREET BELROSE

Inspected 22 DECEMBER 1995

An inspection was made by our firm of the work as executed It was observed that the stormwater drainage system was constructed in accordance with the approved plans Therefore, it is our opinion this system will function in a satisfactory manner

Yours faithfully

BURGESS & ARNOTT PTY/(T)

D A BURGESS FIE Aust

Director

Mrs Evons 50 Evans Street BELROSE NSW 2085





Burgess & Arnott Pty Ltd.

All Correspondence PO Box 69 Forestville 201

CONSULTING STRUCTURAL CIVIL & HYDRAULIC ENGINEERS 61A THE CENTRE (PO BOX 69) FORESTVILLE NSW 2087 TELEPHONE 451 4411 451 6772 FAX 975 2274

FACSIMILE MESSAGE

9-1-96

RE JOB 7594 FAX NO 9971-4522

FROM DON BUYCHESS

General Manager

PAGES TO FOLLOW: \

NOTE:

amal SWD Cert

Č.	FILE NO
	HEALTH & BUILDING SURVEYOR
	DATE
Owner s Na	mmeLotSecDP
Street	GLEN ST No 50 Locality F/ FOREST
Subject	
	GNAL INSPECTION
REFERRED	Outstanding Matters 3-
TO	I Relocate exit segn to northern
	1 Relocate exit segn to northern Outernal exit door, near totchen
	2) Portable extraguester to be installed
	near entry doors.
	31 Fire blanket being installed to Kitchen.
	41 Engineers Certification of OSD to be
	submitted
	5/ Certification of assertial services 1e
	5/ Certification of assertial services i e Portable extensionless & fire doors, here
	furnshed to Council
	Remspection required, auner adviced omt
	G Maf.
	G Maf. 4/1/96
	Romepecha on the January 96 so a lad
	Remepector on 5th January 16 revealed
	Place satisfactory

REGULATION OF BUILDING STANDARDS FORM 6

CERTIFICATE OF COMPLIANCE MAINTENANCE OF ESSENTIAL SERVICES AS2444

Local Government (Approval) Regulation 1993

City/Municipality/Shire of

Date of Certificate

5 DECEMBER 1995

Building No / Name

POSSUMS IN THE GLEN

KINDERGARTEN

Street

50 GLEN STREET

District/Town/Village

BELROSE

Postcode

2085

Owners Name

veworah buans

Owners Address

50 Glen Street, Belrose

Nature of Essential Services	Date of Inspection	Name & Address of person by whom inspected	Was the service found to have been maintained to the relevant standard (YES/NO)
FIRE BLANKET EXTINGUISHERS	5 1 96 5 1 96	MERRILYN JACKSON	YES YES
		For and on behalf of Automatic Fire Services 2/44 Boorea Street Lidcombe NSW 2141	

I Devoran Evans of 50 Chan St, Beliase

certify that to the best of my knowledge and belief the information contained in this Certificate is true and accurate and that each service has been inspected and tested by a person who is competent to carry out such an inspection and test

(Owner/Agent)

Burgess & Arnott Pty Ltd

CONSULTING STRUCTURAL CIVIL & HYDRAULIC ENGINEERS
61A THE CENTRE (PO BOX 69) FORESTVILLE NSW 2087
December 1995 TELEPHONE 451 4411 451 6772 FAX 975 2274

Re 7594 01/ba A C N 001 094 855

STRUCTURAL CERTIFICATE

Job No

7594

Project

PROPOSED CHILD CARE CENTRE ATTACHED TO RESIDENCE AT 50 GLEN STREET BELROSE

Date

18 DECEMBER 1995

We wish to advise that the following structural components were inspected by our firm and approved

ITEMS INSPECTED

REINFORCEMENT TO DETENTION TANK BASE

Based on the above it is our opinion that this construction will be structurally adequate

APPROVED BY

D A Burgess M I E Aust

Chartered Engineer

Director

Mr & Mrs J Evans 50 Glen St BELROSE NSW 2085

NETRA HOLDINGS PTY LTD

Incorporated in N S W A C N 002 958 732

Electrical Contracting Lic No 33080
Mechanical & Electrical Engineers
Mining and Industrial Business Specialists
Ballet Tuition (Annette Large School of Dance)
Livestock and Cut Flowers Producers
Electrical Workshop
64 Grandview Drive

Electrical Workshop 64 Grandview Drive Newport N S W 2106 Phone (02) 918 8427 Fax (02) 918 9799 Head Office & Registered Office 13 Portman Place 263 Alfred Street North North Sydney 2060 Phone (02) 959 3520 Fax (02) 955 9663 N S W Office

31 Greene Avenue Ryde N S W 2112 Phone (02) 809 3915

96 Putty Road Reedy Creek Howes Valley via Bulga Phone (065) 79 4527

4/1/96

50 Glen ST Beloose

To When it May co cen

The letter is to say that the smoke detectors are intelled as with AS 3786 1992

The exit rigis are a stalled for the building Code of Australia E4

The themostate on the balwater unit is set at 55 as reconnected for children

Your Faithfully Market

1/1/APDWICE

NSEE'S CERTIFICATE OF CO

For Plumbing and Drainage Work

Serial No. C 198607

PROPERTY & OWNER DETA	
House No. Lot No. Street	Suburb
50 GLN 97	PEL ROSE
Municipality	Nearest Cross Street
WARRINGALL ZQUS	
Owner's Name Full Address	
DEBA EVANS SO GLEN'S	ST BELROSE
LICENSEE'S DETAILS	
Full Name Address for Notices	Phone No.
	BULKOS 01:163672
Licence No. Expiry Date Contractors A	
591076 4 251.5.1.96	J. L. wandsmarkeness.
WORK OF WATER SUPPLY / METER	
	ize of Tee to be cut into Main Size of Valve
OR	
Reference No. Size of Meter Meter No. Dri	Illing Date/Time Office Issued From
	annulanalana
Full Description of Work / Affix Meter or Return Meter	国际的
NEW THENER DRAWAGE POIN	ITS CONNECTED
	7 1 1 1 1 1 1 1 1
WORK OF SANITARY PLUMBING / HOUSE DRAI	
Give Full Description of Work	NAGE / STORIWWATER
Circle di Descriptori di Work	
SEWERAGE / WATER SERVICE INSPI	ECTION FEE
Date Fee Paid Amount Receipt No.	Building Fee Receipt No.
s	\$
Authorising Officer Office	Drainage No. / Date
	DECEMBER OF THE PROPERTY OF THE PARTY OF THE
Date of Commencement of Work Estimated Date of Completion Signature of Li	censee
10.1.101.95	y find 4.1.12.1.95
Form 78-049 (Mar. 90A) Water Board Print.	

- 1. In respect of authorised work carried out by me at the abovementioned property I certify that:
 - (a) The work has been completed in accordance with the Permit issued, or deemed given by the Local Authority;
 - (b) The completed work has been tested as required by the Local Authority and has passed such tests;
 - In my opinion the work complies with the relevant Local Authorities Act, Ordinances, Regulations, By-Laws and Codes of Practice.

 - (e) The work was completed on
- 2. If any defect is found in the work carried out by me within a period of twelve (12) months, or within the time specified by Local Authorities, from the date of completion, and the Local Authorities Inspector for Plumbing and Drainage certifies that in his opinion the defect is due to faulty workmanship or defective materials, then l'undertake to rectify such work at my sole expense, if so directed by the Local Authorities Inspector/or any time specified by the Local Authority

This copy is to be forwarded to the Local District Office within 2 working days of being completed.



MEMO TO: Decodo. COMPUTER NO: EROM: Decodo. EXT: DATE: 2 196
FROM: 0 theras . Ext: DATE: 2/96
YOUR COMMENTS ARE REQUESTED IN RESPECT OF
Final Inspector.
Coral 95/122
TYPE OF STRUCTURE PROPOSED (WHERE APPLICABLE)
SUBJECT LAND/ADDRESS LOT DP
STREET NO 50 STREET Glem 87. SUBURB Believe.
COMMENT
SIGNATURE DATE

ENVIRONMENTAL MANAGEMENT DIVISION COMMENT FORM
MEMO TO: COMPUTER NO. DATE: 196
YOUR COMMENTS ARE REQUESTED IN RESPECT OF Child Care Centre. 95/122.
TYPE OF STRUCTURE PROPOSED (WHERE APPLICABLE)
SUBJECT LAND/ADDRESS LOT DP STREET NOSTREET Glen St SUBURB Believe
COMMENT

DATE

SIGNATURE



DARREN GREENOW

Phone 9982 0333 **Fax** 9982 0612

REQUEST FOR BUILDING INSPECTION / RESULT OF INSPECTION FORM -	
Current Date 18/12/95 Date Inspection Required 4 (minimum 48hrs	notice) Th
Requested by OEBRA ISVANS Phone Number (s) 99756926	
Location of the Building Ske to be inspected	
BA Approval Number Street Number 50 Street Name 645N ST	
Suburb_BELROSE	
Property Owner <u>EVANS</u> Builder <u>GEOFF</u> KAHLEA Building Type <u>CHILD</u> CARE CENTRE	2
Building Type CHILD CARE CENTRE	
Inspection Required (circle) Commencement Advice Footing Frame Final Other(w	rite below)
- RESULT OF BUILDING INSPECTION / OR REINSPECTION -	
	as carried
out at the above premises and you are advised that	
☐ The work inspected was SATISFACTORY	
☐ CONTACT the Building Surveyor for the result prior to proceeding further	
☐ COMPLETE the works below and then proceed with construction	
COMPLETE the works below and request a FURTHER RE INSPECTION prior to pro-	ceeding
STOP WORK immediately. The building is NOT in accordance with the approval	
Building Surveyor Date Time	
Plea e note Building Surveyors are available via mobile phone after 10 00 AM Mon Fri Council's Customer Service Centre vou ith these numbers phone 982 0333	can provide
OFFICE USE SECTION ONLY -	
☐ Arrange Refund of Builders Security Deposit ☐ Arrange Refund of Sediment Control Deposit ☐ Arrange for Site Re inspection	



DARREN ERBENON

Phone 9982 0333 Fax 9982 0612

REQUEST FOR BUILDING INSPECTION / RESULT OF INSPECTION FORM -
Current Date 18/12/95 Date Inspection Required A 445 (minimum 48hrs notice)
Requested by DEBRN INDIVIS Phone Number (s) 99756926
Location of the Building Site to be inspected
BA Approval Number Street Number 50 Street Name 645N ST
Suburb BELROSE
Property Owner EVANS Builder FEOFF KAHLER Building Type CHILD CARE CENTRE
Building Type CHILD PARE CENTRE
Inspection Required (circle) Commencement Advice Footing Frame 'Final Other(write below
- RESULT OF BUILDING INSPECTION / OR REINSPECTION -
This is to advise you that an inspection ofwas carried
out at the above premises and you are advised that
The work inspected was SATISFACTORY
CONTACT the Building Surveyor for the result prior to proceeding further
COMPLETE the works below and then proceed with construction
COMPLETE the works below and request a FURTHER RE INSPECTION prior to proceeding
STOP WORK immediately The building is NOT in accordance with the approval
Building SurveyorDateTime
Plea e note Building Surveyors are available via mobile phone after 10 00 AM Mon Fri Council's Customer Service Centre can provide you with these numbers phone 982 0333
OFFICE USE SECTION ONLY -
Arrange Refund of Builders Security Deposit Arrange Refund of Sediment Control Deposit
Arrange for Site Re inspection

BUILDINS DOC PS



Darren Greenow.
1887/50-C.
File

Phone 982 0333 Fax 982 0612

- REQUEST FOR BUILDING INSPECTION / RESULT OF INSPECTION FORM -
Current Date 29.11-95 Date Inspection Required RAP (minimum 48hrs notice).
Requested by Debra Phone Number (s) 285 5739.
Location of the Building Site to be inspected
BA Approval Number 1685/95 Street Number 50 Street Name Glen 5+ Suburb Belove Builder Kahler
Building Type Cild Cove Centre.
Inspection Required (circle) Commencement Advice Footing Frame Final Other(write below)
Beam Institution.
- RESULT OF BUILDING INSPECTION / OR REINSPECTION -
This is to advise you that an inspection of was carried out at the above premises and you are advised that:
☐ The work inspected was SAPISFACTORY
CONTACT the Building Surveyor for the result prior to proceeding further
COMPLETE the works below and then proceed with construction.
COMPLETE the works below and request a FURTHER RE-INSPECTION prior to proceeding.
STOP WORK immediately. The building is NOT in accordance with the approval. - Wot inspected. Richard Rhoned not instally fre
13.12.95) Blde flored, not writing of ofen
Francle his my)
Building Surveyor
Please note Building Surveyors are available via mobile phone after 10:00 AM Mon-Fri Council's Customer Service Centre can provide you with these numbers phone 982 0333.
- OFFICE USE SECTION ONLY -
Arrange Refund of Builders Security Deposit. Arrange Refund of Sediment Control Deposit Arrange for Site Re-inspection.



Phone 982 0333 Fax 982 0612

- REQUEST FOR BUILDING INS	PECTION / RESULT OF INSPECTION FORM -
Current Date 29 11 95 Date Inspection	on Required ASAP (minimum 48hrs notice).
	Phone Number (s) 285 5739.
一种企业的企业的企业的企业	illding Site to be inspected
CONTRACTOR OF THE SAID AND ADDRESS OF THE SAID	STATE OF THE PROPERTY OF THE P
BA Approval Number 1 68 1/95 Street Num	ber 30 Street Name 9440 5 T
Suburb DUTTE	
Property Owner Euro	Builder Mah (or
Building Type Cold	Core Centre
Inspection Required (circle) Commencement	nt Advice Footing Frame Final Other(write below)
	enn Intetion
- RESULT OF BUILDING	INSPECTION / OR REINSPECTION -
This is to advise you that an inspection of out at the above premises and you are advised	was carried d that:
☐ The work inspected was SATISFACTO	RY
☐ CONTACT the Building Surveyor for the	ne result prior to proceeding further
☐ COMPLETE the works below and then	proceed with construction.
☐ COMPLETE the works below and requi	est a FURTHER RE-INSPECTION prior to proceeding.
	ng is NOT in accordance with the approval.
- Not in feeled -	
1011	Clared not instally fre
13 12 95) Klober 1	while the boken
windows - "	out white to ate
3 fravide h	o v uy my y - 1
	A
	The state of the s
Building Surveyor	Date:
Please note Building Surveyors are available via mobile phone you with these numbers phone 982 0333.	e after 10:00 AM Mon-Fri Council's Customer Service Centre can provide
- OFFICE	USE SECTION ONLY -
	t.



Phone 982 0333 Fax 982 0612

- REQUEST FOR	BUILDING INSPECTION /	RESULT OF INSPE	CTION FORM -	
urrent Date 11 45	Date Inspection Required	AAP.	(minimum 48hrs noti	ice).
equested by	Phone N	Number (s)	2155936	
Lo	cation of the Building Site	to be inspected		
A Approval Number 165	Street Number	Street Name	36285F	
uburb				
roperty Owner	Builder		aktor	
Building Type	Child Cove	Cate		
nspection Required (circle)	Commencement Advice	Footing Frame	Final Other(write	below)
	Light Holes			
- RESUL	T OF BUILDING INSPECTIO	ON / OR REINSPEC	TION -	
This is to advise you that an i		SPECIAL SERVICES	was c	arried
ut at the above premises and	I you are advised that:			
The work inspected was	SATISFACTORY			3.03
CONTACT the Buildin	ng Surveyor for the result pri	or to proceeding fur	ther	
COMPLETE the works	s below and then proceed with	th construction.		
COMPLETE the work	s below and request a FURT	HER RE-INSPEC	FION prior to proceed	ling.
STOP WORK immedia	ately. The building is NOT i	n accordance with the	he approval.	
	the first of the same of the s		40	1
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	_ will	Const	1	3/10
Level	22V	by sk	y Cych	2
			THE STATE OF THE S	
	是是有有的			
Building Surveyor		Date:	Time:	
lease note Building Surveyors are avaiou with these numbers phone 982 033		M Mon-Fri Council's C	ustomer Service Centre can p	rovide
	- OFFICE USE SECTI	ON ONLY -		
Arrange Refund of Builde Arrange for Site Re-inspec	ers Security Deposit.	ange Refund of Sedim	ent Control Deposit	

<u>PREMISES</u>	commercia n Child (50 Glen	L/INDUSTRIAL BUILDINGS LIVE Contre St Believe	cult bwell	Query 449
	,		FIRE ZONE	
OWNER	Evens		RISE OF STOREYS	2
BUILDER			CONST REQUIRED	TypeB
ZONING	LAND	USE CONSENT NO	5/122 ISSUED	2395
TOWN PLANN	ing comments No	objections M.	enc 9895	K Andrew
ENVIROMENTA	AL-FOOD, POLLUTION,	NOISE		of to
SHIRE ENGI	NEERS COMMENTS 🙏	noise objections.	1 7995 D	Halliday
BUILDING L	INES			
CARPARKING	/	> 1		
TREE P O	((lia DA		
ESSENTIAL S	SERVICES			
STORMWATER	\	, ,	- 0. 1 (2 in fam.
NOTIFICATIO	ON APP A	which to	a) tosential	serves from
COMMENTS	Affred of	which to oditions'-	AB D(VII) (V	(X)
(d)		× 60/60/60 × bo		rwell
/HB 13 /H	B 15 AB 20 1	× 60/60/60 × 50	(A last to of com	fence AB 12
Alb 22 x	M INDZTX Om DRUL A	A UND ALK SO ALL	REPHBBYAR 72 A	1873 AB84
/HB/43/FC	1B/90 MB/122	x 95/122 x Z	TSC ARISE	HE WARREN
AB 163	HB 167 +	add codi	tions and	Harled.
/				
OUTSTANDIN	C PPPC		18	91195
SEC 94	BOND	ADD FEE	PICK UP	7
	4 (000		POST	Θ
BLB	LSL	ENG/SEC DEP	READY DATE	7 10/11/85
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			4/195	



Emergency lighting shall be installed and maintained to meet the standard expressed in Clause 55 12 (4) (5) and (6) of Ordinance 70 except that in a central battery system, sensing of the A C supply failure should occur on the load side of the deivce protecting the final sub-circuit supplying lighting to all the above areas Required if floor area exceeds 300 square metres

Fire Fighting Appliances

- 22 Provision of wall mounted fire blanket to the kitchen area
- One x 9 litre water type fire extinguisher shall be installed on wall brackets adjacent to an exit door
- (24<u>/</u>
- One x 9 litre water type fire extinguisher shall be installed on wall brackets adjacent to an exit door in each play room
- One x 3 5 kg carbon dioxide fire extinguisher to be installed on wall bracket adjoining exit door, or kitchen egress door if kitchen provided
- Portable fire extinguishers shall be installed and maintained in accordance with Australian Standard 1851 as amended from time to time
 - Extinguishers are to be mounted with the top about 1 2 metres from top to floor Carbon Dioxide extinguishers may be lower, but the base must not be less than 100mm from the floor
- 27 All fire extinguishers shall be serviced annually, and date of service indicated on the extinguishers
- Submission of a Form 7 Essential Service Certificate in regard to the fire extinguishers
 - Additional means of first-aid fire extinguishing shall be provided by the installation of a garden hose. The garden hose shall be of sufficient length that taking partitioning into consideration, all parts of the premises are protected. At all times that persons are within the premises, the garden hose shall have a nozzle attached, be connected to suitable water supply and be maintained in a satisfactory condition on a suitable reel or wall bracket.
- Garden hose shall be of sufficient length that taking partitioning into consideration, the nozzle of the fully extended hose shall extend to cover all parts of the floor area within the storey
- At all times persons are within the premises, the garden hose shall have a nozzle attached, be connected to suitable water supply and be maintained in a satisfactory condition on a suitable reel or wall bracket



General power outlets are to be installed out of the reach of children Alternatively, suitable approved and/or certified safety type power outlets shall be provided Certification is required from an electrician that these outlets have in fact been installed

- Fly screen doors shall open in the direction of egress wherever practicable This can often be achieved by installing them in tandem with the egress door
 - (a) Where the above is not possible, fly screen doors may be installed to open against the direction of travel for egress
 - (b) Doors are screened for full height, ie, they shall not have solid panels Further, where centre bars or ornamental grilles are provided, they shall be secured to the frame by clips or push fit and not by rivets, screws, welding or the like, ie, bars or grilles must be able to be easily pushed out to provide a clear opening in an emergency
 - (c) Doors shall be of lightweight aluminium construction only, and provision shall be made for the door to be automatically caught and held in the open position, (by spring, mechanical or magnetic catches), the catch in each case to be so arranged to avoid interference with the normal operation of the egress door
- 34 Childcare Centres should be maintained on ground level only Suitable door/gate to be provided at base of any stair leading to floors above ground level to prevent access by children



Space heating equipment approved for use within buildings under the authority of the Department of Family and Community Services shall not include open fires, kerosene heaters or any exposed flame or exposed floor element heaters

All wall mounted element space heaters shall be permanently fixed to a height of not less than 2 1 metres above floor level at its lowest point



Every heating unit shall be so installed that it does not create a hazard by radiation to or by direct contact with furniture, furnishings, clothing, interior finishings or other combustible materials Installation shall conform to the relevant Australian Standards



All floor mounted heaters shall be permanently fixed and not be of a portable type. It is also considered necessary on floor mounted heaters that a safety guard be installed so as to prevent children coming into contact with the heater element this also acts as a deterrent to placing combustibles on top of the heater

However, heating equipment of the enclosed element type such as heat banks, sheet heaters and column heaters of an approved type may be accepted in childcare occupancies

(36)

Combustible artwork, decorative and teaching materials shall be attached to the walls only, and shall not exceed 20/ of the area of the internal walls

37 Combustible materials shall be maintained clear of room heating appliances

(38)

A suitable First Aid Kit being kept on the premises

Provision of 1 Water Closet for the Teacher, and 1 Water Closet for every eight (8) children or part thereof

In this regard check whether the number of toilets provided is grossly inadequate an if so whether there is potential to provide more WC accommodation

40

General kitchen cleanliness



All material in the building ie, curtains, carpets and other furnishings to comply with Clause 16 19 of Ordinance 70 ie -

A spread-of-flame index not greater than 9, and 1f 1ts spread-of-flame index 1s greater than 5 - a smoke-developed index not greater than 8

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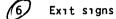
CONDITIONS OF BUILDING APPROVAL

ESSENTIAL SERVICES

* . W

The following essential services must be designed and installed in accordance with the provisions of Ordinance 70 and must be maintained in an effective working condition -

- 1 Access panels
- 2 Automatic sprinkler systems
- 3 Emergency lifts
- 4 Emergency lighting
- 5 Emergency warning and intercommunication systems



- 7 External wall-wetting sprinklers
- Fire and smoke alarms
 - , 9 Fire dampers
 - (10) Fire doors
 - 11 Fire hydrants
 - 12 Fire mains and water supply services
 - 13 Fire shutters
 - (14) Fire windows
 - 15 Hose reels
 - 16 Lightweight construction
 - 17 Mechanical ventilation and air conditioning systems
 - (18) Portable fire extinguishers
 - 19 Pressurising systems
 - 20 Required exit doors (automatic)
 - 21 Self closing fire hoppers
 - 22 Smoke and heat vents
 - 23 Smoke control systems
 - 24 Smoke dampers
 - 25 Smoke doors
 - 26 Solid core doors
 - 27 Stand by power systems

The submission to Council of a certificate of compliance in respect to the design and installation of each listed essential service in accordance with form 6 Part 59 of Ordinance 70 before occupation of the building

The submission to Council annually of a certificate of compliance in respect that each essential service is maintained at a standard not less than that to which it was originally designed and installed

	GENERAL MANAGER/SHIRE CLERK
per	BUILDING SURVEYOR

DATE OF APPROVAL

MAIN CONDITIONS ESS1 ESS2 ESS3

SUB CONDITIONS 1 2 3 4 etc - PF 13 to exit from sub conditions



ENVIRONMENTAL MANAGEMENT DIVISION COMMENT FORM EXT: 485 DATE: FROM: YOUR COMMENTS ARE REQUESTED IN RESPECT OF TYPE OF STRUCTURE PROPOSED (WHERE APPLICABLE) SUBJECT LAND/ADDRESS LOT STREET NO **STREET** SUBURB COMMENT THE ONSITE DETENTION AND ASSOCIATED STORMWATER DRAINAGE SYSTEMS HAS BEEN CHECKED BY THE TECHNICAL SERVICES DIVISIONAND IS **☑** SATISFACTORY O NOT SATISFACTORY SATISFACTORY WITH AMENDMENTS SHOWN ON DRAWINGS

SIGNATURE

DATE

ENVIRONMENTAL MANAGEMENT DIVISION **COMMENT FORM** MEMO TO. DHallislay COMPUTER NO. 30984

FROM: DGreenes EXT: 485 DATE: 25/7/95 YOUR COMMENTS ARE REQUESTED IN RESPECT OF TYPE OF STRUCTURE PROPOSED (WHERE APPLICABLE) STREET NO STREET Glan St DO NOT RELEASE BA

DATE

SIGNATURE

ENVIRONMENTAL MANAGEMENT DIVISION COMMENT FORM

MEMO TO Town Plans COMPUTER NO. 30984
FROM: Deco 20 EXT: 485 DATE: 25/7/95
YOUR COMMENTS ARE REQUESTED IN RESPECT OF
Child Core Centre
Place which con y of come ()
TYPE OF STRUCTURE PROPOSED (WHERE APPLICABLE)
SUBJECT LAND/ADDRESS LOT
SUBURB Believe
COMMENT RJ Consent 95/122 was granted 2/3/95 for a child care centre (with attached ses relence) to a evoluted
18 children
BA plans indicate development generally in accordance
No TP objections to release of BA.
SIGNATURE MAdew DATE 9/8/95

PLANTAGEMENT OF TO NO FTO PLANTAGE PLAN

LONG DAY CARE CENTRE 50 GLEN STREET, BELROSE

Warringah Council

DECEMBER 1994

PROJECT NO 9439

STATEMENT OF ENVIRONMENTAL EFFECTS

LONG DAY CARE CENTRE
50 GLEN STREET, BELROSE

Warringah Council

DECEMBER 1994

PROJECT NO 9439

Prepared for J & D Evans

Prepared by
Paul Drake B A (UNE)
Dip T & C P (Syd)Cer T & C P

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PART A

INTRODUCTION

A 1 Purpose

This report supports a Development Application for the establishment of a long day care centre on the subject site incorporating the use of the two storey dwelling (Photo 1) The ground floor of the dwelling will be utilised for the long day care centre and the upstairs will remain as residence. It is proposed to operate the long day care centre from 7 30am to 6pm Monday to Friday. There will be two staff at any one time with a total of three.

Property Details

50 Glen Street, Belrose

Lot 2 DP 223409

A 2 Location

The site is located approximately 100 metres east from the Glenrose Shopping Centre and is on the northern side of the street. It is trapezium in shape with vehicular access to Glen Street. The property and dwelling is orientated north to south so that the rear yard receives quality sunlight all year. This is the area to be utilised by the day care children. (See Location Map & Survey Plan)

A 3 Description

Existing Site

The total site area is approximately 696 9m² with a frontage to Glen Street of 21 435m. The existing residence has two bedrooms and is contained in the upstairs portion of the dwelling. The downstairs was previously used as professional consulting rooms.

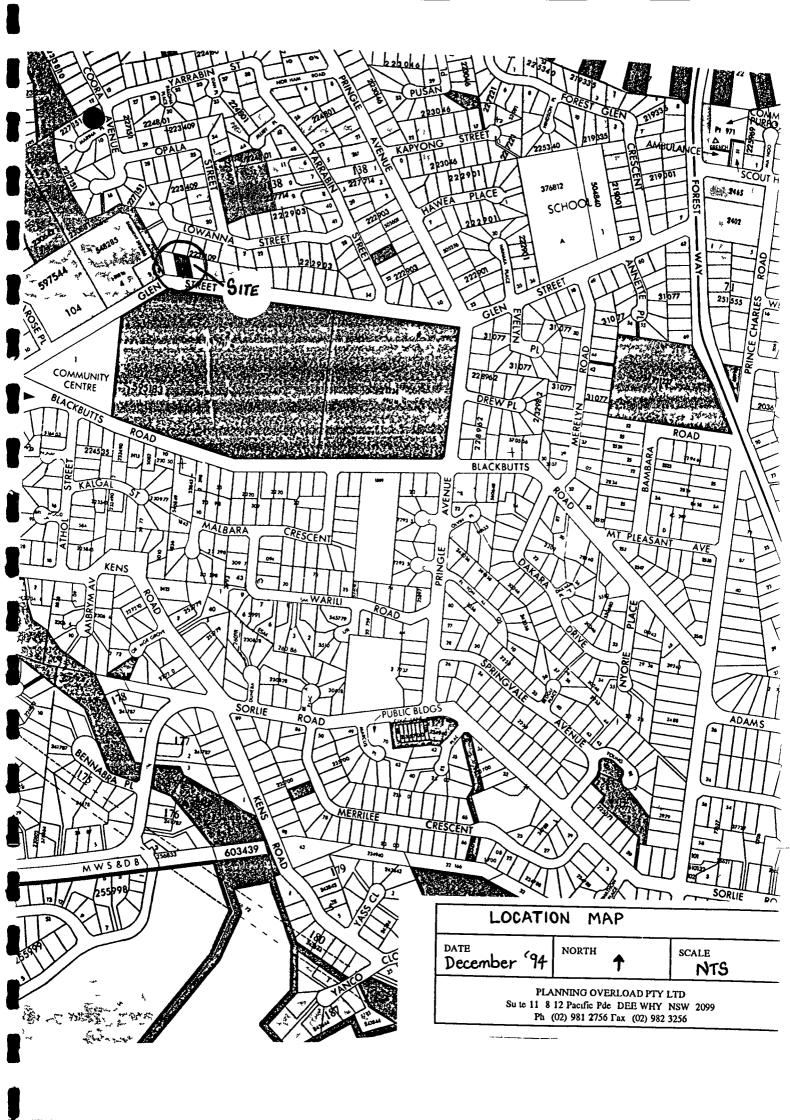
Access is from Glen Street where there is an existing gutter crossing (which will be widened) and an internal driveway to a ground level garage within the existing dwelling. Overall the land is generally flat and is therefore suitable for such a proposal

Proposal

The existing two storey dwelling will retain it s residential character with only internal changes at ground level proposed. The long day care centre will be confined to the ground floor and the upstairs residence is to become this applicant s home. The centre will be only a small operation catering for 18 children in the following age groups.

- 8 two year olds
- 10 three to five year olds

It is proposed to open the centre 10 5 hours/day, 50 weeks/year Two full time and one part time staff will be employed requiring a total of two off street carparking spaces. In addition a further three spaces will be provided on site for the pickup and drop off of children. Adequate turning area will facilitate entry and exit in a forward direction. The play area will be to the rear of the existing dwelling and will provide a total area of approximately 243 41m² (Photo 2). There is an existing inground swimming pool which will be filled in a safe manner and utilised as a sandpit. This approach has been agreed to by representatives of the Department of Community Services.



PART B

STATUTORY PROVISIONS

B 1 Warringah Council LEP 1985

The land is zoned 2(a) Residential A Kindergartens are a permissible use subject to compliance with Council's policies for kindergartens and childminding centres (Policy 7 1 23 on Warringah Council Policy Register)

B 2 Warringah Council Policy for Kindergartens & Childminding Centres

It is considered this proposal is permissible under the provisions of the Policy because it meets the criteria identified in Clause (a) of the *Policy Statement* Although the site is less in area than required by Clause (c) we have been advised by Council officers that these arithmetic standards are not set and that those required by the Department of Community Services have primacy

A relaxation of the site area requirement will not result in any adverse affects nor breach the intent of Clause (a) and the criteria identified therein

B 3 Warringah Council Development Control Plan #2 - Carparking

This proposal will be consistent with the parking requirements set out in DCP#2 because one carparking space in the lockup garage will be retained for the use of the residence and two additional carparking spaces will be located along the eastern boundary between the east wall of the building and the boundary fence. Only two staff members will be present at any one time and stack parking can be accepted where parking relates to the same use. (Photo 3) In addition a further three spaces will be provided for set down and pickup of children at the front of the site. Adequate turning area will ensure entry and exit in a forward direction.

Reference to the Roads & Traffic Authority s Policies Guidelines and Procedures for Traffic Generating Development have assisted in ensuring that the setdown area and vehicle manoeuvring area is adequate. Further, the parking bay widths have been widened to 2 8 metres to achieve greater efficiency during peak periods of delivering and picking up children.

In addition the requirements for driveways have also been satisfied because the existing driveway will be widened to 6 metres to accommodate two way traffic at peak times

Although the three setdown and pickup carparking spaces are located within the building line it is considered that this can be accepted because they provide safe delivery of children, are only used during the peak times of delivery and pickup of children and paver type treatment will retain an outdoor texture. A perception of the frontyard open space will be retained. In addition a 750mm wide planting module will be retained along the front boundary in which suitable planting will assist in screening any cars from Glen Street. The existing hard surface concrete driveway is also to be replaced by pavement treatment. This will result in a general upgrade of all the front driveway area and an improvement in the aesthetic presentation to Glen Street.

PART C

RELEVANT SECTION 90 HEADS OF CONSIDERATION

C 1 Provisions of Planning Instruments (Section 90(1)(a))

The proposed long day care centre is permissible in the 2(a) Residential A Zone in Warringah LEP 1995 The appropriate instruments are Council Policies for Kindergartens and Childminding Centres and DC#2 Carparking These matters have been addressed in Part B of this report

C 2 Social & Economic Affects (Section 90(1)(d))

The applicant has obtained evidence that suggests that there exists a high demand for long day care centres in the Warringah area particularly relating to younger children. For example the Peacock Street Long Day Care Preschool at Seaforth has 130 children on it is waiting list (notwithstanding it is in Manly Council), The Owl & The Pussycat Long Day Care Preschool at Collaroy Plateau has a full enrolment for 1995 and a waiting list of approximately 50 children, and the centralised waiting list for Warringah Council centres has approximately 750 registrations

Social and economic affects are best assessed by identifying a social benefit for the wider community. A guide can be taken from Cox A T (Economic Aspects, How They Can Be Taken Into Account in the Planning Process. Reference Australian Local Planner January, 1989.) Cox identified social benefit as being relevant when it is of material consequence affecting one or more persons, and "social benefit could be identified by assessing the net community gain or loss from a proposal. Accordingly it is not difficult to anticipate a positive and cumulative benefit from this proposal. There are currently no long day care centres in Belrose and existing kindergartens primarily operate from 9am to 3pm. Current demand is for long day care particularly for full time workers and as a consequence extended hours. I am advised that the demand for long day care centres in Warringah is high and this proposal will contribute to alleviating that existing demand. It is the intention of the applicant (Mrs. D. Evans) to provide an extremely high standard long day care centre in a homely environment at an affordable rate.

Mrs Evans preliminary research and negotiations have been done in consultation with representatives of the Department of Community Services Accordingly any parents requiring assistance will be eligible

The social and economic affects are positive and the provision of a new long day care centre will provide employment for three childcare workers and an additional choice for working parents seeking childcare

C 3 Size and Shape of the Land (Section 90(1)(f))

The existing development of the site has resulted in a large front yard, a two storey dwelling occupying the centre of the site and a large backyard area

The front yard is presently used as access and driveway for the residence (Photo 1). The only changes proposed are to widen the driveway access to 6 metres and to provide for the three setdown parking spaces. As previously stated the front yard will be upgraded with the use of paving and new landscape modules and perimeter landscaping which will result in a better presentation to Glen Street.

The ground floor of the existing dwelling will undergo minor modifications resulting in

- Entry to the day care centre from the western side through existing sliding glass doors
- 2 Provision of two internal play areas
- 3 Staff and children toilets in the northwest corner of the building
- 4 Office and kitchen in the northeast corner of the building
- 5 Retention of the private garage in the southeast corner of the building

These changes are made to facilitate appropriate supervision and demarcation between play and service areas. The toilets are located where there is existing plumbing and the office and kitchen area will provide for isolated use from the children attending

The backyard area will be used for play by the children and available for the residents on weekends. It should be noted that child proof safety fences and gates will be provided on the western and eastern boundaries between the dwelling walls and the boundary fences In addition the area adjoining the western wall of the existing building between the entry and the rear child proof fence will be secured with additional fencing and this will be the service area containing the hot water service and other ancillary items

As previously stated the existing inground pool will be filled and the resultant total open space will be 243 42m² The Department of Community Services requirement is 6 96m² per child of outdoor space and therefore this represents an area approximately 52 percent greater than required

C 4 Relationship to Adjoining Land (Section 90(1)(h))

The proposal will use the existing backyard as a play area at limited times on weekdays only. The hours the children are permitted outside are limited because the NSW Cancer Council recommends indoor activities be carried out generally between 11am and 3pm to minimise exposure to the sun. The Department of Community Services adopts this Guideline and we are advised that this will be endorsed in this case to retain high quality of care. Accordingly the traditional concern for noisy children being allowed to occupy the play area for long periods is no longer applicable and playtime of limited periods only is the current practice.

In relationship to the eastern boundary the existing dwelling has no windows to the east and it is proposed to retain the existing garage and to locate the day care office in this part of the dwelling. In addition strong landscaping will be provided from the front boundary along the eastern boundary and from the rear of the dwelling to the rear boundary. It is considered that there will be no adverse affects in relation to the adjoining property to the east

The western side of the dwelling will accommodate the proposed toilets and the secured area and this will also act as a buffer to the property on the western side. The existing strong landscaping will be retained along the rear western boundary from the rear of the building to the rear boundary. New landscaping to the front of the dwelling between the car setdown area and the side boundary will provide a measure of screening.

All the activities of the proposal will therefore be orientated to the front and to the rear with no adverse affects to the sides. Along the rear boundary it is proposed to extensively increase the range and type of planting to increase the canopy which will improve the screening and provide a buffer between the subject site and the property to the rear

The development plan indicates the range and extent of landscaping, the retention of existing trees and the improvements to the range and type of planting that is proposed. The total site and in particular the rear yard will remain domestic in character and therefore there will be little change in the context of its relationship to any of the adjoining properties. The residential nature of the existing property will retain its primacy

C 5 Access, Traffic and Parking (Section 90(1)(1) and (Section 90(1)(1))

The proposed vehicular access to Glen Street has been modified to conform with RTA Guidelines and the carparking provisions have been previously described. These provisions adequately meet the requirements of Council's Policy and DCP#2. The staff stacked parking is acceptable because it will only be used by staff members.

Although the three setdown pickup areas are located within the building line it is considered that this is important because it achieves three objectives of Council's DCP#2 in that

- a) It maintains safe internal traffic management,
- b) It provides an area that is convenient and efficient,
- c) It achieves a balance between the needs of the day care centre and other vehicular and pedestrian traffic

Glen Street is a collector road which experiences heavy traffic flows during peak hours on weekdays. However this proposal will not generate any significant increase to that traffic. By comparison the RTA Guidelines suggest that professional consulting rooms can generate up to 7 6 vehicles per hour as opposed to a maximum of 20 vehicles visiting this site per day. There is no reason to suspect that this site cannot accommodate a long day care centre in relation to traffic generation and parking requirements

C 6 Landscaping (Section 90(1)(m))

There will be little disturbance of the existing landscaping and only one tree (a nectarine fruit tree in the northwest corner) will need to be removed. This will be replaced by a more suitable species identified in the planting schedule. As previously stated the driveway and turning area will be of pavement construction as will the setdown area. There will be no perceived intrusion into Council's established building line. The development plan includes provision for landscaping and a schedule of planting species is also provided. This will reinforce the existing garden layout and improve the overall landscape presentation. Particularly emphasis has been placed on reinforcing and improving the boundary landscaping particularly along the rear eastern boundary and the rear northern boundary. The applicant advises that they are willing to conform with any additional landscaping requirement suggested by Council

C 7 Amenity (Section 90(1)(o))

The existing and likely future amenity can be considered in terms of noise and privacy

1 Noise

Considering that the existing dwelling was previously used as a doctors surgery it is unlikely that there will be any significant increase in noise from traffic. Noise emanating from children's activities will be minimal due to the small number of children to be accommodated and the current practice of long day care centres being orientated to educational supervision rather than a childminding approach. There will be 8 two year olds attending the centre which will require afternoon sleep periods and there will be extended quiet periods. Accordingly the proposed centre will not generate any noise levels unacceptable to a residential amenity. Playtimes are now intermittent and will only occur on weekdays.

The landscaping buffer which will surround the rear yard will further reduce any occasional noise Staff carparking along the eastern boundary will assist in providing a buffer and together with the proposed landscaping there will be no adverse affects to the adjoining eastern or western neighbours. Having regard for the reduction in traffic generation and the proposed improvement to the landscaping provisions it is considered that this long day care centre may in fact enhance the existing amenity of the neighbourhood because it will retain the physical characteristics of a domestic residence and is an appropriate use within residential areas. Traditionally they are integral to residential neighbourhoods

2 Privacy

The operating hours will be 7 30am to 6pm and it is proposed to open the centre only 5 days of the week. To help assess the likelihood of any affect on privacy a small survey of the Narraweena Children's Centre (which accommodates 39 children) was carried out on the 5th December 1994. Visits to residential properties has resulted in support letters being received from two adjoining owners of that operation. It is clear that long day care centres do not affect their residential amenity and operation during week days only is not an unreasonable activity in residential areas. Copies of these two letters of support are provided.

C 8 Public Interest (Section 90(1)(r))

The public interest can be determined in the following context

- The 2(a) Residential A Zone has always incorporated kindergartens and childminding centres as permissible uses. There is no record of any existing operation being closed as a result of neighbour complaints.
- 2 The definition of a child care centre is

A building or place which is used (whether or not for profit) for the purpose of educating minding or caring for children subject to meeting specific conditions

The proposed long day care centre will provide a service to the community at large for which there is an existing demand

PART D

CONCLUSION

This is an appropriate site for a long day care centre because it is located on a collector road where there is existing traffic and noise and existing services are available. The building is an appropriate design and minimal internal changes only are required. There is evidence of strong social and economic benefit and little expectation of adverse affects on adjoining properties and neighbours. Improvements to the presentation of the site together with enhancement of the landscaping will result in an appropriate and welcome improvement to the amenity of the area.

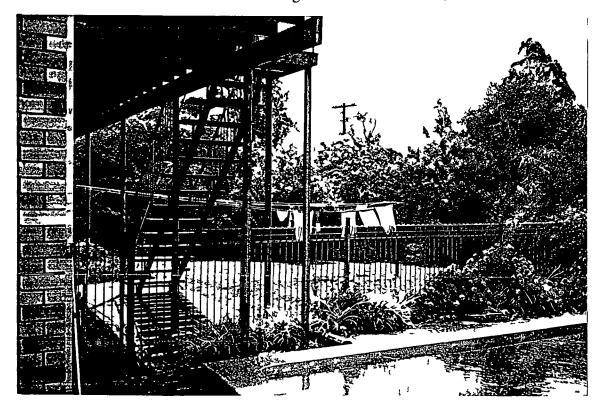
More than adequate protection of adjoining properties will be provided which will have a supplementary benefit of improving the aesthetics of the immediate area. The existing character of the area will not be jeopardised and may be improved

In summary this proposal can be adequately accommodated on site and not only meets the minimum standards of the Department of Community Services but has provided open space in excess of those standards. Council's concerns for safe entry and exit and adequate onsite parking have been met and are not jeopardised by the site being of lesser area than set down Substantial environmental planning merit has been demonstrated and a development will result which will provide a valuable social benefit without any adverse environmental affects. There are no environmental planning reasons why this application should be refused.

Photographs



1 Glen Street frontage and vehicular access



2 Rear yard proposed play area



3 Proposed staff parking area between eastern wall of building and eastern boundary

Dated 5 | 12 | 94

I/we the undersigned reside at

NARRAWEENA NSW 2099

The abovementioned property adjoins the Narraweena Childcare Centre Insignificant noise is generated by the Centre and I/ve have not found it in any way disturbing

GA Nueves NIEVES Dated 5/12/94

I/we the undersigned reside at

3 RONALD AVE NARRAWEENA NSW 2099

The abovementioned property adjoins the Narraweena Childcare Centre Insignificant noise is generated by the Centre and I/we have not found it in any way disturbing

Ketty Walker

I am at home all day

Letty & Walker





File No PF 1887/50 KC kmck/6426D Enquiries

Telephone (02) 982 0333

CONSENT NO 95/122

ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979

NOTICE TO APPLICANT OF DETERMINATION

OF A DEVELOPMENT APPLICATION

Applicant s Name and Address Mr and Mrs J Evans, 49 Essilia Street, COLLAROY PLATEAU NSW 2097

Being the applicant in respect of Development Application No 1994/772

Pursuant to section 92 of the Act, notice is hereby given of the determination by Warringah Council, as the consent authority, of the Development Application No 1994/772 relating to the land described as follows -

Lot 2, DP 223409, No 50 Glen Street, Belrose

For the following development -

A Child Care Centre (with attached residence) to accommodate 18 children

The Development Application has been determined by granting of consent subject to the following conditions -

- Development being generally in accordance with plans numbered 94136-1DA and 94136-2DA, dated December 1994, submitted 09 12 94 as amended in red and modified by any conditions of this consent/approval (Al)
- No signs to be displayed without a separate approval under the Local Government Act (A3)
- 3 Landscaping plans to be submitted for approval with the Building Application, indicating all existing tress specifying those to be retained/removed as well as details of proposed planting plus details of names/height and mature spread (J1)
- Plant and building materials should not be placed or stored within the public road reserve, and shall be stored within the boundaries of the site during building works. Failure to comply with this condition may result in Council taking action to remove the offending items from the public road reserve and all costs incurred by Council will be deducted from any deposit monies held in relation to the subject property (D18)

All correspondence to be addressed





Files Ergulries PF 1887/50 KC kmck/6426D

Telephone (02) 982 0333

CONSENT NO 95/122

- The development shall not harm the environment by way of denudation of the land, soil erosion or the transmission of soil and sediment from the land Appropriate mitigation measures are to be implemented during the construction of the development and the future use of the land (L1)
- All works on the site shall be undertaken to prevent erosion and transport of soil and sediment off the site and onto adjoining properties Measures shall be taken in accordance with the requirements of Council's Specification for Erosion and Sediment Control An erosion and sediment control plan shall be submitted for Council's approval prior to Building Approval (L2)
- 7 The payment of \$1000 to account Reg 009-*TF 036 prior to issue of building approval or approval for subdivision works as security to ensure that
 - a) all silt and sediment control measures are installed and maintained.
 - b) there is no transmission of material, soil etc off the site and onto the public road and/or drainage systems, and
 - c) maintenance of all facilities in accordance with Council's Specification for Erosion Control and Sediment Control (L3)
- Restoration and maintenance to approved levels and safe condition of the footway reserve/s adjoining the site in Glen Street to Council s reasonable satisfaction (S4)
- The public footways and roadways adjacent to the site shall be maintained at all times during the course of the work in a safe condition to the satisfaction of Council (S7)
- Provision of one vehicle crossing, 6m at kerb, 6 5m wide at boundary to Council s satisfaction and in accordance with Council Drawing No A43330 to approved levels and specifications An application for street levels is to be made with the Building Application (T1)
- 11 Construction of approved kerb laybacks in accordance with the details shown on Council Plan A4 2276 (T2)
- 12 Reinstatement of redundant crossings and laybacks (T3)

All correspondence to be addressed

General Manager
Civic Centre Pittwater Road Dee Why 2099
DX 9118 Dee Why Fax (02) 971 4522





File No Enquiries PF 1887/50 KC kmck/6426D

Telephone (02) 982 0333

CONSENT NO 95/122

- All fences, letter boxes and any other structures erected on the street alignment to conform to the approved back of footpath levels (V2)
- Building waste containers or skips and the like are not to be placed within the public road reserve unless prior approval from Council has been obtained and appropriate fees paid (V6)
- Vehicles entering and leaving the site shall do so in a forward direction Provision shall be made on-site to ensure that this can be achieved (V8)
- Demolition of existing pool and removal of all debris from the site (U8)
- All rooms in the building being ventilated in accordance with the provision of Part F4 of the Building Code of Australia (W4)
- 18 Wall between occupancies to have a Fire Resistance Level of not less than 60/60/60 This wall is to be taken to the floor above having a Fire Resistance Level not less than 30/30/30, in accordance with Part C of the Building Code of Australia Details to be submitted with the Building Application (W13b)
 - Sound attenuation of soil/waste pipes above habitable rooms shall achieve an STC of 45 Details being provided with the Building Application from a suitably qualified acoustic engineer, or a previously certified system from an accredited testing authority (W14)
- 20 The building being constructed in Type B construction (W17)
 - The windows/doors in the western walls being protected in accordance with the provision of Part C3 of the Building Code of Australia Details being submitted with the Building Application (W18)
 - Walls/Floor/Ceilings between occupancies are to have an STC in accordance with Part F and an FRL also in accordance with Part C of the Building Code of Australia Details being provided with Building Application (W29)
 - Compliance with the requirements of Council's Checklist for Childcare Services Details to be provided with Building Application

All correspondence to be addressed





Enquiries

PF 1887/50 KC kmck/6426D

Telephone (02) 982 0333

CONSENT NO 95/122

- Where the applicant cannot demonstrate to Council s satisfaction that the proposed development will not increase the rate of stormwater discharge from the site, the design and construction of an on site stormwater detention system in accordance with Council s requirements Details to be submitted with the Building Application
- Compliance with the requirements of the NSW Department of Community Services
- Operating hours are to be confined to 7 30am to 6 00pm, Monday to Friday
- The maximum number of children that are to be accommodated at the centre at any time shall not exceed 18
- The three open car spaces adjacent to the front property boundary shall remain open No structures shall be permitted over these spaces

The reason for the imposition of the above consent conditions is as follows -

To ensure that the development consented to is carried out in such a manner as to achieve the objectives of the Environmental Planning and Assessment Act, pursuant to section 5(a) of the Act, having regard to the relevant matters for consideration contained in section 90 of the Act and the Environmental Planning Instrument applying to the land, as well as section 91(3) of the Act which authorises the imposing of the consent conditions

Endorsement of date of consent - 2 MAR 1995

IMPORTANT You are advised to read these notes in addition to the
Conditions of your consent

(1) It is to be clearly understood that the above consent is not an approval to carry out any structural work. A formal building application must be submitted to Council and be approved before any structural work is carried out to implement the above consent. Also the applicant is not relieved of any obligation to obtain any other approval required under any other Act.







Enquiries

PF 1887/50 KC kmck/6426D

Telephone (02) 982 0333

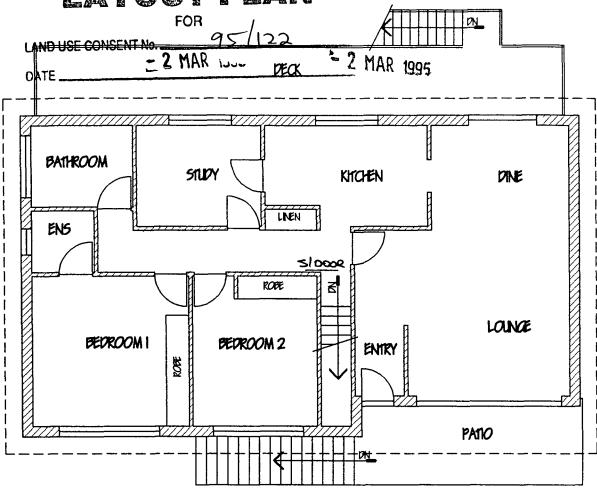
CONSENT NO 95/122

- (2) Section 97 of the Environmental Planning and Assessment Act confers on the applicant who is not satisfied with the determination of the consent authority a right of appeal to the Land and Environment Court exercisable within 12 months of receipt of this notice
- (3) This consent shall be effective and operative from the endorsement date of this consent, however should an appeal be lodged against Council's determination of the application, the consent shall cease to be, or shall not become, operative, until that appeal is determined. See section 93 of the Act
- (4) For information about the circumstances in which this consent may lapse, about commencement of a development granted consent, about extension of the consent, and about the circumstances in which Council may require completion of the development, see Section 99 of the Act
- For information about the procedure for the modification of (5) this consent by Council, see Section 102 of the Act
- (6) Any person who contravenes this notice of determination of the abovementioned development application shall be guilty of a breach of the Environmental Planning and Assessment Act, 1979, and shall be liable to a monetary penalty and for a restraining order which may be imposed by the Land and Environment Court

R Symons DIRECTOR FINANCE AND CORPORATE SERVICES

Date = 2 MAR 1995

LAYOUT PLAN



EXISTING UPPER FLOOR PLAN

THIS FLOOR LEVEL TO BE UNCHANGED IN THIS DEVELOPMENT APPLICATION

THIS DRAWING TO BE READ INCONJUNCTION WITH 94136-1DA

Project PROPROSED ALTERATIONS & ADDITIONS AT No 50 GLEN STREET FRENCHES FOREST

FOR MR. J & MRS. D. EVANS



7	Prepared by	Date	DEC 1994
	H&C DESIGN PTY LTD # *	Drawn	HENK
	50 FULLER STREET COLLAROY PLATEAU * * PHONE (02) 981-2927	Scale	1 100
-	ACN 002079192	Joh No	94136-2DA

All Correspondence PO Box 69 Forestville 2087

Burgess & Arnott Pty Ltd



CONSULTING STRUCTURAL CIVIL & HYDRAULIC ENGINEERS
61A THE CENTRE (PO BOX 69) FORESTVILLE NSW 2087
TELEPHONE 451 4411 451 6772 FAX 975 2274
A C N 001 094 855

5 June 1995 Re 7494-01/am

The General Manager Warringah Council Civic Centre DEE WHY NSW 2099

Dear Sır

Re PROPOSED ADDS & ALTS AT 50 GLEN STREET BELROSE

Please find enclosed copies of the stormwater drainage system plans together with the hydraulic calculations for the above project

We submit these for your consideration and approval Should any discussion be required please contact the writer

Yours faithfully

BURGESS & ARNOT/T PTY LTD

D A BURGESS MIE AUST

Director

Burgess & Arnott Pty Ltd



CONSULTING STRUCTURAL CIVIL & HYDRAULIC ENGINEERS 61A THE CENTRE (PO BOX 69) FORESTVILLE NSW 2087 TELEPHONE 451 4411 451 6772 FAX 975 2274 ACN 001 094 855

ON SITE DETENTION CALCULATION

FOR

50 GLEN STREET BELROSE

The proposed carpark paving increases the impervious area from $369 \mathrm{m}^2$ to $403 \mathrm{m}^2$ increase

It is intended to utilise the existing pool in a modified form the detention tank, the pool was to be demolished

701 4m² Site Area

Impervious area Pre Develope 369m 526% 57 5% Impervious area Post Develope

Using Swinburne Computer Method

RARE - Version 1 53 _____ Swinburne O S D - Method-

17 17 08

FILE REFERENCE	WARRO
AREA (m^2)	701 4
ъIMP PRE-DEV	52 6
₀IMP POST-DEV	57 5
Tcs Site (min)	5
Tc Outlet (min)	10

ARI Tcs	Tc	I Pr	e Post	Qp	Qa	PSDs	1/s	Volume	s m^3/
(yrs) man	mın	mm/hr C	С	l/s	l/s	above	below	above	below
5 5 0	10 0	123 0	71 0 72	16 8	34 4	17 9	19 4	3 0	4 0
10 5 0	10 0	139 0	74 0 76	20 0	40 8	21 2	23 0	3 6	4 7
20 5 0	10 0	159 0	78 0 80	24 1	49 3	25 6	27 7	4 3	5 7
50 5 0	10 0	186 0	85 0 87	30 8	63 1	32 8	35 5	5 6	7 3
100 5 0	10 0	207 0	89 0 91	35 7	73 0	37 9	41 1	6 4	8 5

CHANGE PSDs FOR MIXED ARIS ? (Y/N)

RARE - Version 1 53 Swinburne O S D Method

17 17 38

FILE REFERENCE WARRO

AREA (m^2) 701 4
%IMP PRE-DEV 52 6
%IMP POST-DEV 57 5
Tcs Site (min) 5
Tc Outlet (min) 10

ARI To	s Tc	I Pre	Post	Qр	Qa	PSDs	l/s	Volume	s m^3/c
(yrs) mı	n min	mm/hr C	С	l/s	l/s	above	below	above	below
5 5 0	10 0	123 0 71	0 72	16 8	34 4	17 9	19 4	3 0	4 0
10 5 0	10 0	139 0 74	0 76	20 0	40 8	21 2	23 0	3 6	4 7
20 5 0	10 0	159 0 78	0 80	24 1	49 3	25 6	27 7	4 3	5 7
50 5 0	10 0	186 0 85	0 87	30 8	63 1	32 8	35 5	5 6	7 3
100 5 0	10 0	201 0 89	0 91	35 7	73 0	17 9	19 4	17 7	21 8

CHANGE PSDs FOR MIXED ARIS ? (Y/N)

Using the 1 in 5yr PSD for the 1 in 100yr event indicates a

on site detention volume

21 8m 2

with PSD

19 4 1/sec

Actual Volume of modified pool

Hence this volume exceeds the Warringah Council guidelines

OUTLET CALCULATION

$$Q = 0194$$

Q C 6

Н 151 373 150 745 629 054

575

Q D $C \times A \sqrt{2gH}$

110mm dia Orifice

RAINFALL INTENSITIES IN MM/HOUR

TITLE 50 GLEN STREET BELROSE UBD Map ref 30 G 1

DATE 25/05/95

Site data 2I1= 41 1 2I12= 9 06 2I72= 2 94 50I1= 86 2 50I12= 19 8 50I72= 6 81 REGSKEW=0 000 F2=4 294 F50=15 86 C10=0 72

			0_ 05	= DC	OT III K	ecur	rence		erval	(ує	ears)		
		1		2		5		10		20		50	100
2mın	134	23	171	04	214	00	238	11	270	74	312	85	344 48
3	119	44	152	45	191	60	213	70	243	46	281		310 91
4	109		139	46	175	90	196	54	224	25	260		287 19
5	101		129	54	163	86	183	37	209	48	243	35	268 91
6	94	98	121	63	154	2-4	172	83	197	65	229	89	254 24
7		69	114	96	146		163	89	187	62	218	45	241 76
8		17	109	24	139		156	22	178	99	208	60	231 02
9	81	23	104	26	133	01	149	51	171	44	199	99	221 60
10		81	99	94	127		143	68	164	87	192	48	213 40
11	74	79	96	11	123	01	138	50	159	03	185	80	206 09
12	71	96	92	52	118	60	133	64	153	55	179	52	199 23
13	69	47	89	36	114	70	129	34	148	70	173	97	193 16
14	67	21	86	50	111	17	125	44	144	30	168		187 63
15	65	09	83	82	107		121	79	140	16	164	19	182 44
16		19	81	40	104		118	48	136	42	159	89	177 74
17	61	40	79	13	102		115	37	1,32	91	155		173 32
18	59	80	77	10	99	54	112	58	129	76	152		169 34
20	56	78	73	26		78	107	31	123	79	145		161 82
25	50	80	65	65	85	30		80	111	87	131		146 75
30	46	21	59	80	77	98	88	67	102	64	121		135 04
35	42	59	5 5	19		19	82	22	95	30	112		125 71
40		61	51	37		39		86	89	20	105	47	117 93
45	37	11	48	18				37	84			54	111 39
50	35	01	45	49		96	68	56	79		94		105 82
60	31	57	41	8 0		36	62	29	72	56	86	17	96 62
90	24	80	32	30		86	49	18	57	35	68	19	76 53
2hrs		83	27	15		09	41	45	48	38	57	58	64 66
3		24	21	19	28	24	32	48	37	96	45	23	50 84
4	13	60	17	75	23	71	27	30	31	93	38		42 83
5	12	64	16	51		07	25	42	29		35	48	39 92
6	10	59		84	18	53	21	36	25	01		87	33 62
9	8	25		80		50	16	74		62	23	47	26 44
12		92	9			19		09		53		78	22 30
14		31		27 6 E		15		90	15			15	20 47
16	5	83	7	65		32	11	95 17	14			84	19 01
18	5	44	7	13	9	64	11	17		14		76	17 80
20	<u>5</u> 4	11		<u>70</u> 33	9 8	08 58		<u>52</u> 96	12			87	16 79 15 01
22 24	4	82 58	6	33 01	8	58 16	9	96 47	11 11	72		08	15 91 15 15
30	3	98	6 5		7	13	8	28	9	15 77			13 30
36	3	98 56		24 68	6	39	7	44	8		10	76 58	13 30
48	2	96	4 3	90	5	33	6	22	8 7	78 36	8	88	10 07
60	2	54	3	35	4	60	5	38	6	37	7	70	8 74
72		23	2		4	06		36 75	5	62		81	7 73

Note The above rainfall intensities were derived using the procedures described in Chapter 2 of the Institution of Engineers Australia publication Australian Rainfall & Runoff 1987 ed

L

DRAINAGE

COMPUTATIONS

GLEN ST FRENCHS FOREST

I=209 mm/hr Tc=5 mns

LINE	ITEM	AREA		C	P	√4×C	Sum	Α* ()	5	Sum	Q (Grad	de DIA	Ç) Ma	ìΧ
		m#			n	n#]	/s]	l/s		ૠ	mm]	l/s	
P1-P2	PAV	108	00	0	90	97	20				5	64	1	00100	0 0	8	00
2-P3	PAV	115	00	0	90	103	50										
	L/S	28	00	0	73	20	44123	94	7	19	12	83	1	00150	00	22	00
P3-DET	PAV	22	00	0	90	19	80		1	14	13	97	1	001.0	())()
DET-OUT	L/S	49	00														
EX ROOF	TO DET	157	50														
TOTAL		479	50														

ı

2

HYDRAULIC GRADELINES

		Depth	s and R	RL values	s in Me	tres -	Slopes	ln o		F1 H	lelp
Smartkey Solutions 02-810 5451 HYLINE Version 1 64											4 13
	D/S	Invert	Level	147 28	D/	s Water	Level	149 87			
Label	Length (m)	(6)	Dıa (mm)	Height (mm)	Pit Depth	(mm)	U/S Pit K	Q l/s	Surf RL	Dep	th
E P5	13 75	17 60	225		0 6	0 015	0 2	28 7	150 3	0 2	13
P5 P4	22 5	2 89	225		0 95		0 2	28 7	151 3		
PA DT	16 5	1 00	225		1 485	0 015	0.2	19 4	152	0.2	:3

Depths and RL values in Metres - Slopes in &										F1 Help
Smartkey Solutions 02-810 5451 HYLINE Version 1 64									09 54 2	
	D/S	Invert	Level	147 28	D/s	S Water	Level	149 87		
Label	Vel m/s	Pıt Loss	Hyd Slope	Rel Inv	Rel Surf	Rel HGL	U/S Pit k	Q l/s	Surf RL	HGL Depth
E P5	0 83	0 01	0 25	149 70	150 30	149 93	0 2	28 7	150 3	0 23
P5 P4 P4 DT	0 82 0 58	0 01 00	0 25 0 13	150 35 150 51	151 30 152 00			28 7 19 4	151 3 152	0 23 0 23

- URGENT PLEASE -4 pages including this page

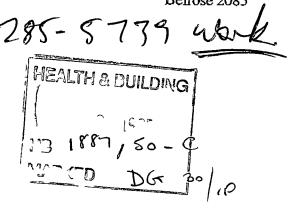
50 Glen Street Belrose 2085

2 November 1995

Mr Darren Greenow Warringah Shire Council Civic Centre Dee Why 2099

By fax 9971 4522

Dear Mr Greenow



Re BA No 30984 Fire Rated Windows to replace Drenching System 50 Glen Street, Belrose Childcare Centre and Residence

I refer to our telephone conversation this morning regarding the two upstairs windows on the western boundary As discussed I wish to fit opening windows which are one hour fire rated (they have a special closing mechanism in the event of fire) to the two (and only) windows on the upstairs western boundary not a drenching system as previously indicated

I enclose a fax from Steel Windows for your information

Plans recently lodged with Council indicated that a drenching system would be installed. I had been advised by professionals that this would be a more cost effective alternative however my own personal investigations have revealed that this is not the case

I succerely apologise for any inconvenience that this change may caused you

Also as previously indicated I am extremely anxious to commence the building work as I am being pressured from the bank and any further delay may result in adverse consequences The bank is finding it difficult to accept that the building application has not issued yet (it has now been with Council well past eight weeks)

Also would you kindly call me once the application has been approved as I would prefer to collect it from the Council (rather than having it posted) if possible

Thank you for your assistance

Yours sincerely

Deborah Evans



Steel Window Frames Pty. Ltd.

166 172 Honderson Poad ALEXANDRIA NSW 2015

Phone (02) 557 1226 Facsimile (02) 519 3147

FACSIMILE TRANSMISSION

COMPANY		
T O	DEBORAH EVENS	EXT 5739
I ROM	LOE DINAHO.	
ra <i>te</i>	2 11 95	
NO OF PAC	ES (INCLUDING THIS PAGE)	?
Messa(e		

DETAILS OF OUR ONE HOUR FIRE PATED

NOTE: OPERABLE SASH IS A HORIZONTAL

OFF SET PINOT DESIGNED TO CHOSE

UNDER ITS OWN WEIGHT.

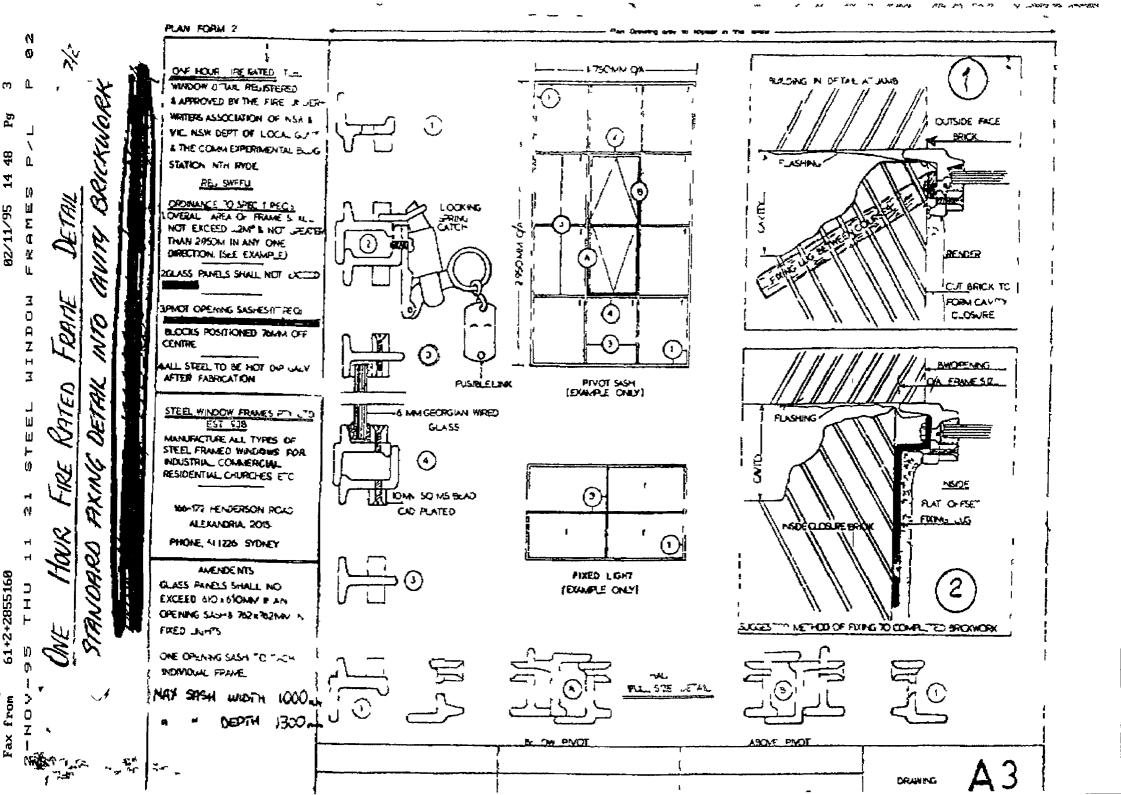
SASH IS HELD OPEN UM ROPE CORD

ATTACHED TO A FUSIBLE HAK & SPRING

CATCH

Regards Dinals





<u>Re</u>_

Dear Sir,

With regard to the one hour fire rated steel window frames manufactured by this company, we wish to advise that the windows are constructed in accordance with the Ministers Specification Number 1, Clause 21-4 - Ordinance 70 - and as the proto type referred to in the Building Code of Australia - Fire Windows

This company had windows tested and approved for one hour fire rating in 1939, our registration being 'S W F F U', however, we now choose to manufacture our fire rated steel windows by the guide lines set out in the Ministers Specification

Yours faithfully, STFEL WINDOW FRAMES PTY LTD

A Ginallo

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		50 Glen Street
Angelium, emilia alfa,	With retitation during the company of the contract of the cont	belrose 2085
weed into		benjamak mendalakan sekaun a
		23 october 1995
·	-	11:32,118 = 1,42,4
mr Darren	Greenau	
Warringah	Council	2 7 661 1335
Civic Centra		HB 1887,50 C
Pittwater:		MAR -3 DC
Dee why		RES.
		20/11
_	Greenow, Armended Building Application childcare Centre 50 Glen St, Beirose, 2086	
Glen Stre	se find enclosed amended eet, Belrose, 2085	
ne	plans have been amended	as_foucus_
	- Banroom é ensute windows protected by external drenc	in residence to be the shes complying.

- Double I har five routed doors as apposed to single door

wan_ A5 2118_

- considered that fire rating of walls and ceiling not required as a construction

under type B does not require a fire rating.	~
In regard to the downstaurs garage, the garage which is used for the provision of childrare (up collecting shopping bonium and other administrative tasks) and for private purpose	7
It is anticipated that business use should be greater than 50%	~~
if you have any query please do not heartate to contact me on 99756926	

yours sincerely,

Deborah Guars



50 Glen Street Belrose 2085

18 August 1995

Mr Darren Greenow Warringah Council Civic Centre 725 Pittwater Road Dee Why 2099

Dear Mr Greenow

2 2 AUG 1935

HB 1887, 50-C

MARKET D Green w

20/7

Re Building Application 30984 50 Glen Street, Belrose 2085

Enclosed are the following

Approved plans from the Department of Community Services (DOCS) subject to certain conditions. Please note that I have spoken to Mr Warren Dutch who directed me to Mrs Beryl Tuddenham from DOCS regarding the restriction of child access to the kitchen area. The kitchen area is a kitchenette ie it does not contain an oven or hot plates. Mrs Tuddenham informed me that to restrict access DOCS require a child proof hot water tap and childproof locks on the cupboards and draws.

New dramage plan

Revised landscaping plan (ie this plan removes the previous drainage system which has been submitted and rejected no other change has been made—the type—amount and location of plants remains unchanged)

Please do not hesitate to contact me at work on 335 7481 or at home on 9975 6926 (answering service) if you require any additional information

Yours sincerely

Deborah Evans





HENRY & HYMAS CONSULTING STRUCTURAL ENGINEERS

13 July 1995

Our Ref 95173

Mrs D Evans 50 Glen Street FRENCHS FOREST 2086

Dear Mrs Evans

RE PROPOSED ALTERATIONS AND ADDITIONS TO 50 GLEN STREET, FRENCHS FOREST

We have inspected your site and sighted plans of your proposed development with a view to designing a stormwater system

It would appear that the current roof drainage is connected to the easement to the rear of the site. Given the age of the existing cottage it is likely that the pipe within that easement is limited in its capacity. In addition, the slope of the site encourages overland flow across the rear yard - this is not desirable given the approved use of the development. Whilst it is possible to address these problems and still drain to the rear it may involve either (or both)

- (1) Considerable change in levels to the rear yard
- (2) Alterations to the existing pipe line within the easement

The foregoing may be difficult and costly given site access conditions and may have an adverse or disruptive effect on your adjoining neighbours properties

After consideration of the foregoing we are of the view that the most practical solution to this problem is to discharge any stormwater from the front of the site into a pit in Glen Street Our design reflects this and is shown on the attached drawing (No 94136-2BA) prepared by H & C Design

Please contact the undersigned if you have any queries with this proposal

Your faithfully

HENRY & HYMAS



PETER R KNOWLAND & ASSOCIATES PTY LTD

CONSULTANTS IN ACQUISTICS

VIBRATION

AUDIO VISUAL

HEARING CONSERVATION

21 April, 1995

95-092L1 421

Ms Deborah Evans
50 Glen Street
BELROSE NSW 2085

C/CoPY

Dear Deborah,

RE CONVERSION OF GROUND FLOOR OF RESIDENCE INTO CHILD CARE CENTRE

We present a preliminary report on meeting Council's requirements We only address Conditions 19 and the acoustic part of Condition 22 in Consent No 95/122

Please check that no other Conditions of Consent require our attention

Condition 19

Soil and waste pipes passing above habitable rooms must be separated from the habitable rooms by a construction providing a noise reduction of STC 45. A method to achieve this is now described

The method used involves three elements -

treating the pipe
 a barrier consisting of two layers of plasterboard
 acoustic absorption in the bulkhead

The pipe is tightly spiral-wrapped twice with strips of 4kg/m² loaded vinyl Nominally, strips 150mm wide are used. The pipe is completely wrapped once with each turn of the spiral overlapping 75mm and all terminations and junctions overlapped and taped with pieces of loaded vinyl. Then the pipe is wrapped a second time in the same way, but starting at the opposite end

The effect of this treatment is to provide damping of the pipe walls, and to increase the effective mass of the pipe walls, thereby increasing sound transmission loss by around 15–20 dB

Two sheets of standard 13mm plasterboard will provide a barrier of around STC 30 (A sheet of 10mm plasterboard plus 13mm fire—rated plasterboard would be acceptable to achieve STC 45 overall)

Suite 701 220 PACIFIC HIGHWAY CROWS NEST NSW 2065 Tel 02 922 4199 Fax 02 923 1462 ACN 001 594 583



4

Provision of minimum 50mm glasswool or polyester insulation in the bulkhead will reduce the build-up of reverberant sound in the bulkhead, and is an important part of the overall treatment

The overall effect of the above treatment is to provide an equivalent rating of STC 45-50

Condition 22

The Building Code of Australia requires a floor/ceiling between occupancies to have a rating not less than STC 45. This is a minimum standard for residential housing and generally provides unsatisfactory results. However, in this case where a Child Care Centre will be located over residential, and the residence is generally unoccupied during the day, then STC 45 will be satisfactory.

The existing construction is rated at around STC 33 (20mm T & G flooring over 250mm joists with a 10mm plasterboard ceiling below)

To provide STC 45 will require one of the following -

- Remove the existing ceiling fix CSR Gyprock Resilient Mounts to the underside of the joists clip Rondo 129 furring channels into the mounts, screw fix a ceiling of 13mm (minimum) fire-rated plasterboard to the furring channels Also provide R2 0 insulation batts in the cavity
- Retain the existing ceiling Fix 75mm (minimum) timber battens to the ceiling Suspend a 13mm fire-rated plasterboard ceiling from the battens using CSR Gyprock Resilient Mounts and Rondo 129 furring channels Provide 75mm (nominal) glasswool or polyester insulation material in the cavity

Notes

The perimeter of the ceiling in each room must stop short of the room walls by at least 5mm, and the gap caulked with a 10mm bead of silicone sealant or other approved (elastomeric) non-setting sealant

We can advise on other floor/ceiling options if required We can also advise if residential amenity is particularly important in daytime when the Child Care Centre is occupied

More than one layer of fire-rated plasterboard may be required in the ceiling to satisfy Council and BCA fire requirements This is outside our area of expertise

The above predictions assume the walls/ceilings are constructed according to good building practice and the material manufacturer's instructions, with all joins sealed and no acoustic weak links. The predictions refer to the ceilings installed as described, an no allowance is made for other flanking transmission, than that normally expected through structural walls.

Provided the above recommendations are followed, as described or with variations approved by this office, then Council's Consent Conditions will be met

We trust this information meets with your current requirements Should you require any further details, please do not hesitate to contact the writer at the number shown

Yours faithfully

Sebastian Giglio

Sebastian Giglio

PETER R KNOWLAND & ASSOCIATES PTY LTD

Geoff (Builder) Fax C/o 970 6460

BEE & LETHBRIDGE PTY LTD

Consulting Surveyors SUITE 3 FIRST FLOOR

THE CENTRE 14 STARKEY STREET FORESTVILLE N S W 2087

Phone 451 6757 PO Box 330 Forestville 2087 Fax No 975 3535



CC LETHBRIDGE B Surv (Hons) MIS Aust



OUR REF

YOUR REF

Mrs D Evans 50 Glen Street BELROSE NSW 2085

1st June 1995

8463

Dear Madam

RE PROPERTY 50 Glen Street, Belrose

As instructed by you we have investigated the Title of Lot 1 in Deposited Plan 223409 upon which stands No 52 Glen Street Belrose

The Title indicates that an Easement to Drain Water 0 915 metres wide affects the land and the associated Restriction on the Use of Land (copy enclosed) indicates that Lot 2 in the subject Deposited Plan (your land) is benefited by this easement

Also enclosed is Part III of Schedule VIII of the Conveyancing Act 1919 which stipulates the rights associated with the Easement to Drain Water It is evident upon reading this section that you have the legal right to place pipes within this easement provided that due care is taken and the land is returned to its original condition

I trust this information satisfies your enquiry however if further explanation is required please contact the writer

Yours faithfully

Warren L Bee

REGISTERED SURVEYOR

BURKHART & COMPANY PTY LTD A C N 002 801 498

Facsimile (02) 262 1904 DX 654 Sydney Telephone (02) 231 012

Survey/Title Searchers Registration Agents Process Servers

Level 10 75 Castlereagh Street Sydney NSW 2000 Australia

Computer Folio Search

TORRENS TITLE POLIO IDENTIFIER

EDITION No. & DATE OF CURRENT CERTIFICATE OF TITLE

1/223409

Search made up to Date 30 5 1995 Time8 00AM

8 6 1990

LAND

LOT 1 IN DEPOSITED PLAN 223409 AT BELROSE LOCAL GOVERNMENT AREA WARRINGAH PARISH OF MANLY COVE COUNTY OF CUMBERLAND TITLE DIAGRAM DP223409

FIRST SCHEDULE

ROGER GARY PARTRIDGE SVETLANA INGER PARTRIDGE AS JOINT TENANTS

(T Z52693)

SECOND SCHEDULE

LAND EXCLUDES MINERALS AND IS SUBJECT TO RESERVATIONS AND

CONDITIONS IN FAVOUR OF THE CROWN - SEE CROWN GRANT(S)
DP223409 RESTRICTION(S) ON THE USE OF LAND
DP223409 EASEMENT TO DRAIN WATER AFFECTING THE PART(S) SHOWN
SO BURDENED IN THE TITLE DIAGRAM
Z52694 MORTGAGE TO COMMONWEALTH BANK OF AUSTRALIA

NOTATIONS

UNREGISTERED DEALINGS NIL

30 5 1995 10

EUT SETTING OUT TERUS OF EASEMENTS AND RESTRICTION AS INTENDED TO BE CREATED PURSUANT TO SECTION 88B OF THE CO VEYANCING ACT. 1919

DP 223109 Subcivision of the whole of Certificate of Title Volume 844+ Folio 1587 and part-of-Certificate of Title Volume 5568-Folio-467 covered by Council Clerk's Certificate No 6089 of 1964 -

Full name ind address of Proprie or of land

36

Banaco Pty Limited Banaco No 2 Pty Limited and sanaco No 3 Pty Limited S Ethie Street Beacon Hill

Ident ty of easement or restrictio firstly referred to in aboveme tioned Plan Easement to drain water 6 feet ___wide

Sciedule of lots, etc affected

Lots b roered Lot , name of road, or Authority benefited 15

Council of the Shire of Warringah

Identity of easement or restrictio secondly referred to Easement to drain water 3 feet in abovemen tioned Plan

Sciedule of lots, etc affected

Lots birdened Lots, name of road, or Authority benefited 6 6 6 ر 6 18 21 21 22 22 23 19 23 24

Ident + of easement or thirdly referred to restriction Restr tion on use of certain tioned Plan <u>ın aboveme</u> building materi l.

> Sc edule of lots, et <u>affecteo</u>

Lots b rdened Lots, name of road, or Authority benefited Each lot Every other Lot

laent ty of easement or fourthly reserved to Res riction as to fencing ioned Plan in abovemen

Scipoule of lots, etc afrects Ty

Adthurity penefited Lots birdened Lots, name o the mather Lot Łach lot

DIJEAL OF BANACO PTY THE CO was hereun to affixed by the au hourt of a resolution of the Board of Directors and in the presence of

THE CO NON SEAL OF BANACO NO LIMITED was hereunto afrixed by the f a resolution of the Bo authority of a resolution of the Bo of Directo's and in the presence of

THE COMMON SEAL OF BANACO No. LIMITED was hereunto affixed by the authority of a re olution or the hos of Directo and in the pre ence of S

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AS TO USER ITTENDED TO BE CREATED PURSUANT TO SECTION 888 OF THE CONVEYANCING ACT, 1919

SHEET 2

PART 2

<u>Term</u> of Restriction on use of certain building materials thirdly referred to in the abovementioned Plan

No m in building shall be erected on the land the subject of this restriction unless the external walls thereof are constructed of timbe. brick veneer, brick, stone and/or concrete or such other material as shall be approved by Banaco Pty Limited

Zer's of Restriction as to fencing fourthly referred to in the abovementioned Plan

That for the benefit of the lots benefited by this restriction put only during the ownership thereof by Banaco Pty Limited, Banaco No 2 Pty Limited and Banaco No 3 Pty Limited that no fence shall be erected on the Land the subject of this restriction to divide it from the lots benefited by this restriction without the consent of Banaco Pty Limited, Banaco No 2 Pty Limited and Banaco No 3 Pty Limited and such fence is erected athout expense to Banaco Pty Limited, Banaco No 3 Pty Limited and Banaco No 3 Pty Limited and in favour of any person dealing ath the registered proprietor for the time being of the land the subject of this restriction such consent shall be deemed to have seen given in respect of every such fence for the time being erected.

Nam of person empowered to release vary or modify restrictions thirdly and fourthly referred to in the abovementioned Plan

Banaco Pty Limit

THE COMMON SEAL of BANACO PTY LIMITED was here into affixed by the authority of a resolution of the Board of Director and in the presence of

THE COUNTY SEAL of BANACO No. 2011 A DELLAR OF LIMITED as hereunto affixed by the mmonth authority of a resolution of the Board Jensen of Directors and in the presence of

THE COMM N SEAL of BANACO No. 3 PL LIMITED as hereunto affixed by the authorit of a resolution of the Board of Directors and in the presence of

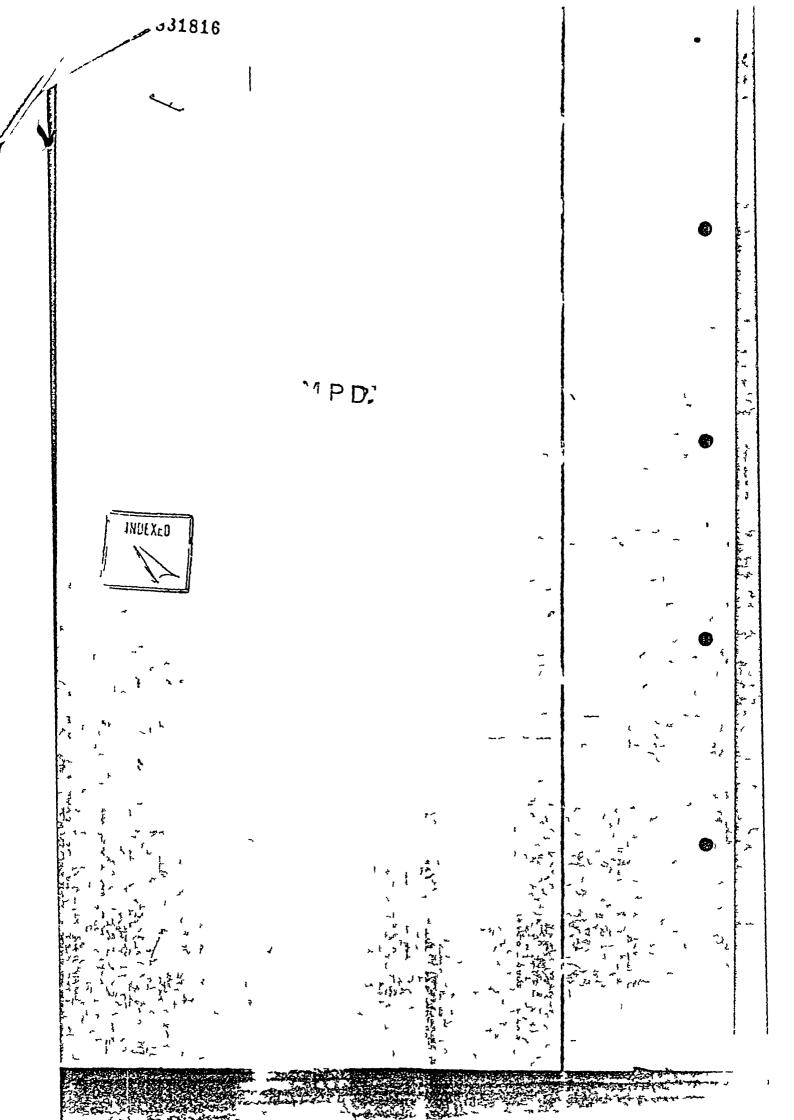
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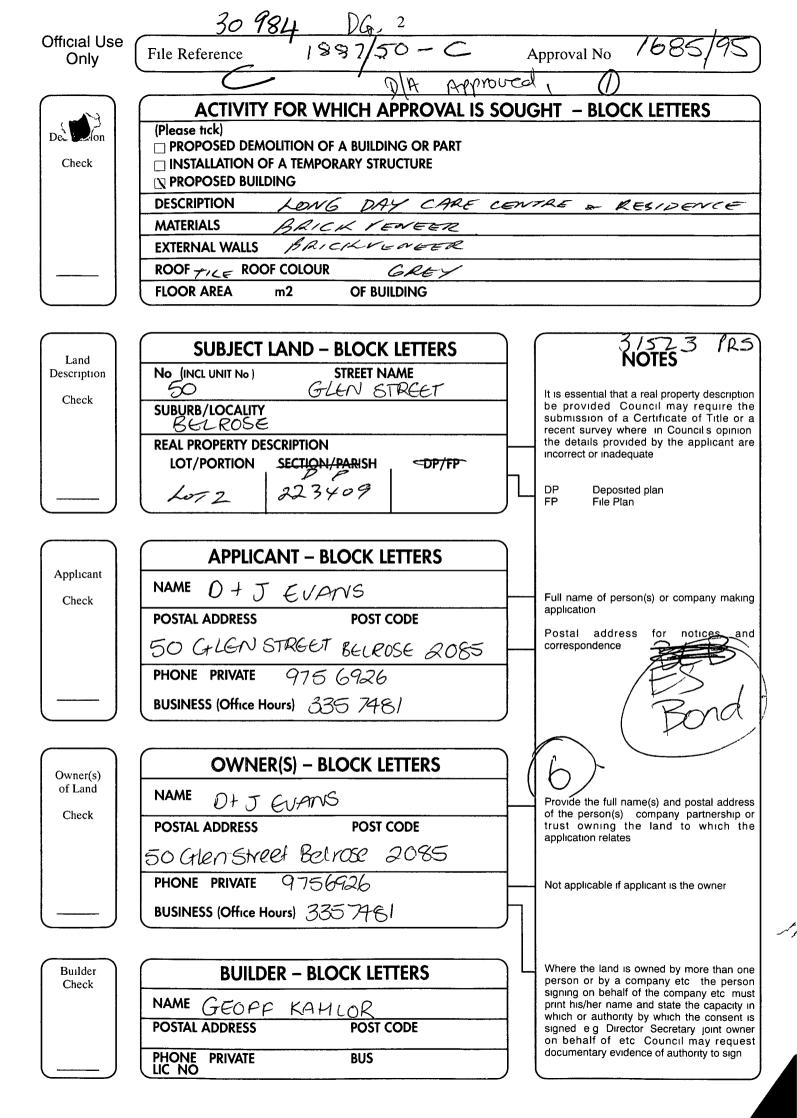
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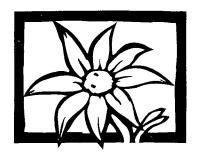
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WARRINGAH COUNCIL

BUILDING APPLICATION

(INCLUDING DEMOLITION AND TEMPORARY STRUCTURES) LOCAL GOVERNMENT ACT 1993 & REGULATIONS

PLEASE NOTE

Before completing this form please read these notes and those on Pages 2 3 & 4 Remember that if all the relevant information is supplied initially delays in dealing with your application should be minimised. Complete all the clear boxes on the form, the shaded areas are for official use only

PLANS & SPECIFICATIONS

Four sets of drawings and two sets of specifications to be submitted

Drawings to be legible and properly drawn on opaque paper in ink do not use tracing paper or graphpaper or pencil

Scales

1 200 minimum site plan

1 100 minimum general plan including floor plan elevations sections

SITE PLAN

A site plan must show where relevant

The relation and dimensions of the proposed building and any existing buildings to all boundaries of allotment and street which it fronts and/or is bounded

The current use of existing building

Easements for drainage to sewer natural watercourses or electricity

Position of overhead powerlines particularly in respect of swimming pools

Provision of roofwater & drainage disposal

The position of building lines fixed by Council

GENERAL PLAN

Floor Plan must show layout of all floor levels the use of all rooms and position of sanitary and drainage fittings. Room wall thicknesses and overall dimension sizes are to be clearly shown

Elevations — all elevations are required existing ground level is to be nominated

Sectional Elevation to show constructional details dimensioned floor to ceiling heights ground level and in the case on ew buildings and major additions reduced levels (RLs)

ADDITIONS, AMENDMENTS, RESUBMISSIONS, DEMOLITION,

The new work to be clearly distinguished by COLOURIN from the existing (or of that previously submitted) ON ALL COPIES

VEHICULAR ACCESS

Details of access gradients to be shown (longitudinal section of driveway)

CARPARKING

Positions of required carparking to be nominated and dimensioned

SWIMMING POOL

To show cross sectional elevations with finished ground level and concourse level related to a fixed datum (not ground level). Position and type of safety fencing to be nominated together with position of relevant doors/windows of adjoining buildings.

FOR FURTHER INFORMATION HEALTH & BUILDING SURVEYORS MAY BE INTERVIEWED BETWEEN 8 30 & 10 00am DAILY PHONE 982 0333 OR AT OTHER TIMES BY PRIOR ARRANGEMENT WITH THE HEALTH & BUILDING SURVEYOR DEALING WITH THE APPLICATION

WARRINGAH COUNCIL

EVANS J & GD

Dept. No	Account Type	<u>Description</u>	<u>Amount</u>
009	TRUST FUND	9101C EVANS 50 GLEN STREET BELROSE	200 00
009	TRUST FUND	9102C EVANS 50 GLEN STREET BELROSE	1 000 00

10/11/1995 012024363 Receipt No **Total Paid** \$1 200 00 Date

> Payment method CHEQUE MC Cashier

CHEQUES ACCEPTED SUBJECT TO CLEARANCE Postal Address Civic Centre Pittwater Road Dee Why 2099 (DX 9118 Dee Why) Office Hours 8 30am to 5 00pm Mondays to Fridays Phone 9982 0333

OFFICIAL RECEIPT



EVANS D AND J



DUPLICATE

CHEQUE

Page

WARRINGAH COUNCIL

Dept No Account Type Description Amount 70 00 EVANS 50 GLEN ST 100 BUILDING FEES 44 00 KERB DAMAGE INSP FEE EVANS 50 GLEN ST 101

Date Receipt No 001024078 Total Paid \$114 00 17/07/1995

AD1

CHEQUES ACCEPTED SUBJECT TO CLEARANCE

Phone 982 0333

Postal Address Civic Centre Pittwater Road Dee Why 2099 (DX 9118 Dee Why) Office Hours 8 30am to 5 00pm Mondays to Fridays

Payment method

Cashier

OFFICIAL RECEIPT

ESTIMATED COST

\$20 000

The estimated cost of the proposed building is the total construction and ancillary services such as mechanical ventilation and fire service costs including all on costs

estimated cost

check

SCHEDULE OF FEES FOR BUILDING APPLICATIONS

Estimated Cost

Up to \$5 000 \$5 000 - \$100 000 \$100 000 - \$250 000 Exceeding \$250 000 Applicable Fee

First \$5 000 or part thereof 0 5 / Next \$95 000 or part thereof 0 3 / Next \$150 000 or part thereof 0 2 / Amount over \$250 000 0 1 /

If the estimated cost is under \$1 000 there is a minimum fee of \$5 00

Examples of Calculation

Calculation

BUILDING PERMIT RENEWAL

Commercial Industrial & Residential Flat Buildings – 50% of normal fee (min \$25 00) Dwellings – available upon inquiry to Council – 50% also

Amended plans – 50% of fee as per new applications plus additional building fee where cost of construction has been increased

cost means contract price or failing this cost as determined by Council

Office Use Only	Fee \$	Receipt No	Date		
100 Building	97000	0012407	17/7/95		
100 Amended Application	[-	, ,	Į Į °		
105 Septic Tank					
101 Road/Kerb Inspection	44_00	001024079	17/7/97		
153 Road Levels					
155 Road Opening Fee					
106 Builder's Lic Prem					
111 Long Service Levy					
TF Damage — Security Deposit	200-00	12024363	10-11-95		
Bond	1000	12024363	10-11-95		

THE PROPOSAL MAY REQUIRE DEVELOPMENT CONSENT

A - Has Development Application been submitted?



B - Has any previous correspondence been submitted to Council?
Reference No

YES / NO

SUBMISSION OF APPLICATIONS

Lodgement of the application personally at the Health & Building Branch can save time The submission of all relevant information with the application will assist with the processing of the application

PROCESSING OF THE APPLICATIONS

Applicants should not call about progress of the application until 4 weeks have elapsed from the date of lodgement

APPLICATION

I/We the undersigned being the applicant(s) nominated in this application seek approval of the attached plans and specifications to carry out the described activity

I undertake to comply with the Local Government Act 1993 and Regulations and all amendments thereto and the Rules and Conditions relating to buildings in Warringah

I/We have read the explanatory notes for completion of this application contained on the form and understand that if all the required details are not provided the application may be subject to delay or be rejected as incomplete. I also understand that Council may request more information or clarification.

Where a company is applicant <u>COMPANY STAMP OR SEAL</u> to be affixed and to be signed by an authorised person of the company

SIGNATURE(S) OR AS APPLICABLE

COMPANY STAMP OR SEAL

CAPACITY/AUTHORITY

OWNER

DATE

OWNER S CONSENT

I/We the undersigned being the owner(s) of the land to which this application relates or having the authority to sign on behalf of the owner(s) hereby consent to the making of this application and consent to the Council its servants or agents entering upon the property without first having given notice for the purpose of carrying out all or any inspections which it may deem appropriate in connection with the processing of the attached application

SIGNATURE(S)

CAPACITY/AUTHORITY

DATE

Applicant

Check

Owner(s) Consent

Check

The General Manager Warringah Council Civic Centre DEE WHY NSW 2099

Dear Sir

Building Application No

Lot No 2 Street No 5 Street 64 57

Locality

BEL ROSE ONLY SHRUBS REMOVED

There are no trees to be ringbarked cut down topped lopped or removed from the above site in relation to this building application

(Applicant)

Signed 27/5/95

ry property



1887/50-C

21st July 1995

EVANS D & J 50 GLEN ST BELROSE 2085

Dear Owner

Re Building Application - 30984 50 GLEN STREET BELROSE (COMMERCIAL)

Thank you for your application recently lodged with Council Your application is being processed by Mr Darren Greenow who is available between 8 30am and 10 00am weekdays or at other times by appointment to answer any questions you may have

Council aims to determine your application as soon as possible and requests your co-operation in promptly providing any additional information which may be requested

Yours faithfully

MANAGER DEVELOPMENT BRANCH SOUTH