

TREVOR R HOWSE

2 5 SEP 2008
Our Ref CP23036-3 HH
Your Ref DA N0689/02

General Manager
Pittwater Council
PO Box 882
MONA VALE NSW 2103

Dear Sir/Madam,

**Re Construction Certificate
24 Bungan Head Road, Newport**

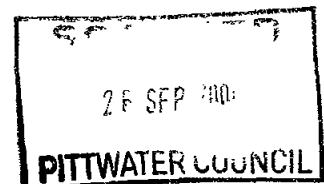
We refer to our engagement in respect of the above and enclose the Construction Certificate for such in accordance with the provisions of the Environmental Planning and Assessment Act 1979

Should you require any further information please do not hesitate to contact the undersigned

Yours faithfully,


Hayden L Howse
Managing Director
for Trevor R Howse & Associates Pty Ltd

Encl



R# 246986
26/9/08

CONSTRUCTION CERTIFICATE

BUILDING WORKS

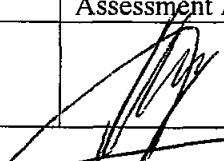
TREVOR R HOWSE

PRELIMINARIES	
CERTIFICATE NO	CP23036-3 HH
PROPERTY	24 Bungan Head Road, Newport
APPLICANT	Andrew Walsh

DEVELOPMENT CONSENT	
CONSENT NO	DA N0689/02 and Section 96 modification
DATE OF ISSUE	11 2 2003 and 15 7 08
CONSENT AUTHORITY	Pittwater Council

DETERMINATION	
DETERMINATION	Approved
DATE	2 5 SEP 2008
REFUSAL REASONS	N/A

DEVELOPMENT DESCRIPTION	
APPROVED WORKS	Modifications to the existing building including the new landscaped access stair to the east, a new bedroom to the west, new cladding and new timber batten cladding to the pool retaining walls as per the Section 96 approval dated 15 7 08
CLASSIFICATIONS	Class 1A and 10B
COST OF WORKS	\$25,0001 00
BUILDING SOLUTION	Deemed to Satisfy
EXCLUSIONS	This certificate relates only to those works approved within the Development Consent, and excludes all other works / inconsistencies

CERTIFYING AUTHORITY	
CERTIFIER	Hayden L Howse - Accreditation No BPB 0188
ACCREDITED BY	Building Professionals Board
STATEMENT	Work completed in accordance with the approved documentation, without variation to the Development Consent, will comply with the requirements of Section 81A (5) of the Environmental Planning & Assessment Act
SIGNED	

Trevor R Howse & Associates Pty Ltd ABN 24 003 753 839
 Level 8 210 George Street Sydney NSW 2000 PO Box N694 Grosvenor Place NSW 1220
 Telephone +612 9251 4500 Facsimile +612 9252 9822 Email trh@trh.com.au www.trh.com.au

Building Regulations
 Fire Safety Engineering
 Management Services

CONSTRUCTION CERTIFICATE DOCUMENTATION		
ANNEXURE	TITLED	DATED
1	APPLICATION FORM	22 9 08
2	BCA CERTIFICATION	n/a
2	LONG SERVICE LEVY RECEIPT	18 9 08

CONSTRUCTION CERTIFICATE PLANS - ARCHITECTURAL		
PLAN NO	TITLE	DATED
S96001/G	SITE PLAN	Aug 08
S96103/G	LEVEL 3 FLOOR PLAN	Aug 08
S96104/G	LEVEL 3 FLOOR PLAN	Aug 08
S96201/G	NORTH AND SOUTH ELEVATION	Aug 08
S96202/G	EAST ELEVATION	Aug 08
S96203/G	WEST ELEVATION	Aug 08
S96204/G	FRONT FENCE AND POOL ELEVATIONS/DRIVEWAY CROSSOVER	Aug 08
S96302/G	SECTION B	Aug 08

CONSTRUCTION CERTIFICATE PLANS - STRUCTURAL		
PLAN NO	TITLE	DATED
080445/S01-S04	24 BUNGAN HEAD RD	1 7 08

ANNEXURE "1"

**CONSTRUCTION CERTIFICATE
APPLICATION FORM**

Received
v.a email
22/9/08


APPLICATION FORM




- COMPLYING DEVELOPMENT CERTIFICATE (CDC)
 CONSTRUCTION CERTIFICATE (CC)
 INTERIM OCCUPATION CERTIFICATE (IOC)
 OCCUPATION CERTIFICATE (OC)

APPLICANT

(Must be completed by person having ultimate benefit of DA)

NAME / COMPANY	ANDREW WALSH
ADDRESS	24 BUNGAN HEAD ROAD
SUBURB / STATE	NEWPORT
STATEMENT	I apply for approval to carry out the development / works described within this application I declare all information given to be true and correct
SIGNED	

CONSENT OF OWNER (complete for CDC & CC only)

NAME / COMPANY	ANDREW WALSH
ADDRESS	24 BUNGAN HEAD ROAD
SUBURB / STATE	NEWPORT
STATEMENT	As owner (s) of the subject land, I / we consent to this application and Trevor R Howse & Associates Pty Ltd entering the land for inspection
SIGNED	

SUBJECT LAND (complete for any application)

ADDRESS	24 BUNGAN HEAD ROAD		
SUBURB / STATE	NEWPORT NSW		
COUNCIL AREA	PITTWATER COUNCIL		
LOT NO	92	DP/SP	1052243

DEVELOPMENT DESCRIPTION (complete for any application)

CLASSIFICATION	1A & 10B		
COST OF WORKS	\$25,001.00		
D/A CONSENT NO	NC689/02	DATE	15/7/2008

DEVELOPMENT DESCRIPTION (complete for any application)	
<ul style="list-style-type: none"> ▪ PROPOSED WORKS ▪ AREA OF OCCUPATION 	Modification to site including stairs to the east, new bedroom, cladding as per section 96 approval

ACCOMPANYING DOCUMENTATION (complete for any application)	
NO	TITLED
	Application form, plans, certification Levy receipt

FIRE SAFETY SCHEDULE (complete for CDC & CC only)				
Fire Safety System	Existing	Performance Standard	Proposed	Performance Standard
Fire rated access panels & doors				BCA C3 13
Automatic fail safe devices				
Automatic fire detection & alarm				AS 1670 AS 3786
Automatic fire suppression systems				AS 2118 1
Emergency lifts				BCA C3 4
Emergency lighting				AS/NZS 2293 1
EWIS				AS 1670 4 AS 4428 4
Exit signs				AS/NZS 2293 1
Fire control centres & rooms				BCA E1 8
Fire dampers				AS/NZS 1668 1. 2
Fire doors				AS 1905 1
Fire hydrant systems				AS 2419 1
Fire seals				BCA C3 15, C3 16
Hose reel systems				AS 2441
Lightweight construction				BCA C1 8
Mechanical air handling systems				AS/NZS 1668 1, 2
Perimeter emergency vehicle access				BCA C2 4
Portable fire extinguishers				AS 2444
Safety curtain in proscenium opening				BCA H101 10
Smoke & heat vents				BCA Spec E2 2c
Smoke dampers				AS/NZS 1668 1, 2
Smoke detectors & heat detectors				AS 1670
Smoke doors				BCA Spec C3 4
Solid core doors				BCA Spec C3 4
Standby power systems				
Wall-wetting sprunkler / drenchers				BCA C3 2
Warning operational signs				BCA C3 6, D2 23, E3 3 H101 8
Other				

Not Applicable

AUSTRALIAN BUREAU OF STATISTICS (complete for CDC & CC only)												
Legislative requirement												
PARTICULARS OF BUILDING												
What is the area of the land (m ²)?										1040 m ²		
What are the proposed uses of all parts of the building(s)/Land?										RESIDENCE		
How many pre-existing dwellings?										ONE		
What is the gross floor area of the existing building (m ²)?										450 m ²		
What are the current uses of the building?										DOMESTIC RESIDENCE		
Does the site contain a dual occupancy?										NO		
How many dwellings are to be demolished?										NONE		
How many dwellings are proposed?										ONE		
What is the gross floor area of the proposed addition or new building (m ²)?										14 sqm		
How many storeys will the building consist of?										4 LEVELS		
MATERIALS TO BE USED												
(tick the empty box as applicable)												
ROOF			WALL			FLOOR			FRAME			
Tiles	10		Brick (double)	11	✓	Concrete slate	/	20	✓	Timber	40	✓
Concrete slate	/	20	Brick (vener)	12		Timber		40		Steel	60	
Fibre cement	30		Concrete stone	/	20	Other		80		Aluminium	70	
Steel	60	✓	Fibre cement	30		Not specified		90		Other	80	
Aluminium	70		Timber	40						Not specified	90	
Other	80		Curtain glass	50								
Not specified	90		Steel	60								
			Aluminium	70								
			Other	80								
			Not specified	90								

RESIDENTIAL WORKS - BUILDER DETAILS (complete for CDC & CC only)	
NAME	ANDREW WALSH
ADDRESS	24 BUNGAN HEAD ROAD
SUBURB / STATE	NEWPORT
LICENSE NO (attach copy of license)	(OWNER BUILDER) PERMIT NO. 251778P
OWNER BUILDER	Where the works are to be performed by an owner builder, a declaration signed by the owner of the land is required, to the effect that reasonable market cost of the labour and materials is less than the amount prescribed in section 29 of the Home Building Act for <i>owner builder work</i>

ANNEXURE "2"

ADDITIONAL DOCUMENTATION

BUILDING CODE OF AUSTRALIA

Following a review of the design documentation provided with the Construction Certificate application, it is conveyed that the following BCA requirements (Clauses) have not been addressed within the documentation, or have not been complied with as required by the Code

To this extent, in each instance, suitable written documentation is required illustrating compliance with the nominated BCA Clauses Alternatively, within the "Comments" column, provide confirmation of intended compliance with the prescriptive Clause of the BCA nominated

BCA Clause	Information / Documentation required	Comments
Part 3 1 3	Provide confirmation that – o Termite protection of the proposed timber roof structure will be provided in accordance with AS 3660 1	To be provided if required on completion
Part 3 3 1	Provide confirmation that – o Masonry shall be constructed in accordance with AS 3700	Masonry will be provided and in accordance with AS 3700
Part 3 4 3	Provide confirmation that – o Timber framing shall be constructed in accordance with AS 1684 2	As per Engineering requirements
Part 3 5 1	Provide confirmation that – o Roof sheeting shall be constructed in accordance with AS 1562 1	Yes, certification to be provided on completion
Part 3 5 2	Provide confirmation that – o Gutters and downpipes shall be constructed in accordance with AS/NZS 3500 3	Yes, certification to be provided on completion
Part 3 6	Provide confirmation that – o Glazing shall be constructed in accordance with AS 2047	Yes, As per window schedule Schedule provided by Michael Freeman
Part 3 7 2	Provide confirmation that – o An AS 3786 compliant smoke alarm shall be installed in the corridor outside of the new bedroom	Yes, already installed from existing residence
Part 3 9 2	Provide confirmation that – o The balustrade to the stairway along the side of the building shall have a height of 865-mm above stair nosings, 1000-mm otherwise, and not contain openings greater than 125-mm	Confirmation will be provided on completion for certification
Clause 3 12 3 5	Provide confirmation that – o The construction of roofs and walls will be such that air leakage is prevented	Agreed, construction will be undertaken as required.

P O BOX 114 TERREY HILLS NSW 2084
PH 0419697062 FAX 99040850

**ADWELL HOLDINGS
PTY LTD**

Fax

To Hayden Howse **From** Andrew Waish
Fax 9252 9822 **Pages** 3 Inc
Phone **Date** 18/09/2008
Re Long Service Levy 24 Bungan Head **CC**
Road Newport
 Urgent **For Review** **Please Comment** **Please Reply** **Please Recycle**

Dear Hayden

With reference to correspondence today please find the attached long service levy receipt for your records and to finalise the construction certificate issue for 24 Bungan Head Road Newport

Any queries please do not hesitate to contact the undersigned

Yours Sincerely



Andrew Walsh

Adwell Holdings Pty Ltd

02999966620

Andrew Walsh

Security processing
millions of transactions

-
-
-

-

-
-

-

-
-

-

-

FORM NO

OFFICE USE ONLY

PLEASE PRINT ALL DETAILS USING CAPITALS

Surname (1st person) or company/organisation name WALSH

Given names (if person) ANDREW

ABN (if applicable)

POSTAL ADDRESS No and street or PO Box 24 BUNCAN HEAR READ

Town/suburb NEWPORT

State NSW Postcode 2106 Business hours phone 0419697062

Number and street 24 BUNCAN HEAR READ

Town/suburb NEWPORT

State NSW Postcode 2106

Estimated start date D 21 M 09 Y 2008 Estimated finish date D 20 M 11 Y 2008

Local Council Area PITFATER COUNCIL

DA/CC/CDC No NC6819/02

Estimated value of work (see note on back) \$ 2500000 Levy payable \$ 8800

If you have provided a CC above please provide DA number here

Signature of Officer/Private Certifier _____ Date D 18 M 09 Y 2008

Name of Officer, Private Certifier _____ Business hours phone _____

Department, Authority _____

Contract/DA No (circle which) _____ Contract amount \$ _____

Levy payable \$ _____

Contact person (Print) _____ Phone number _____

Contact person (Signature) _____ Date D 18 M 09 Y 2008

Any false or misleading information provided on this form may result in prosecution under Section 58A
I hereby declare that the information provided on this form is true and correct to the best of my knowledge

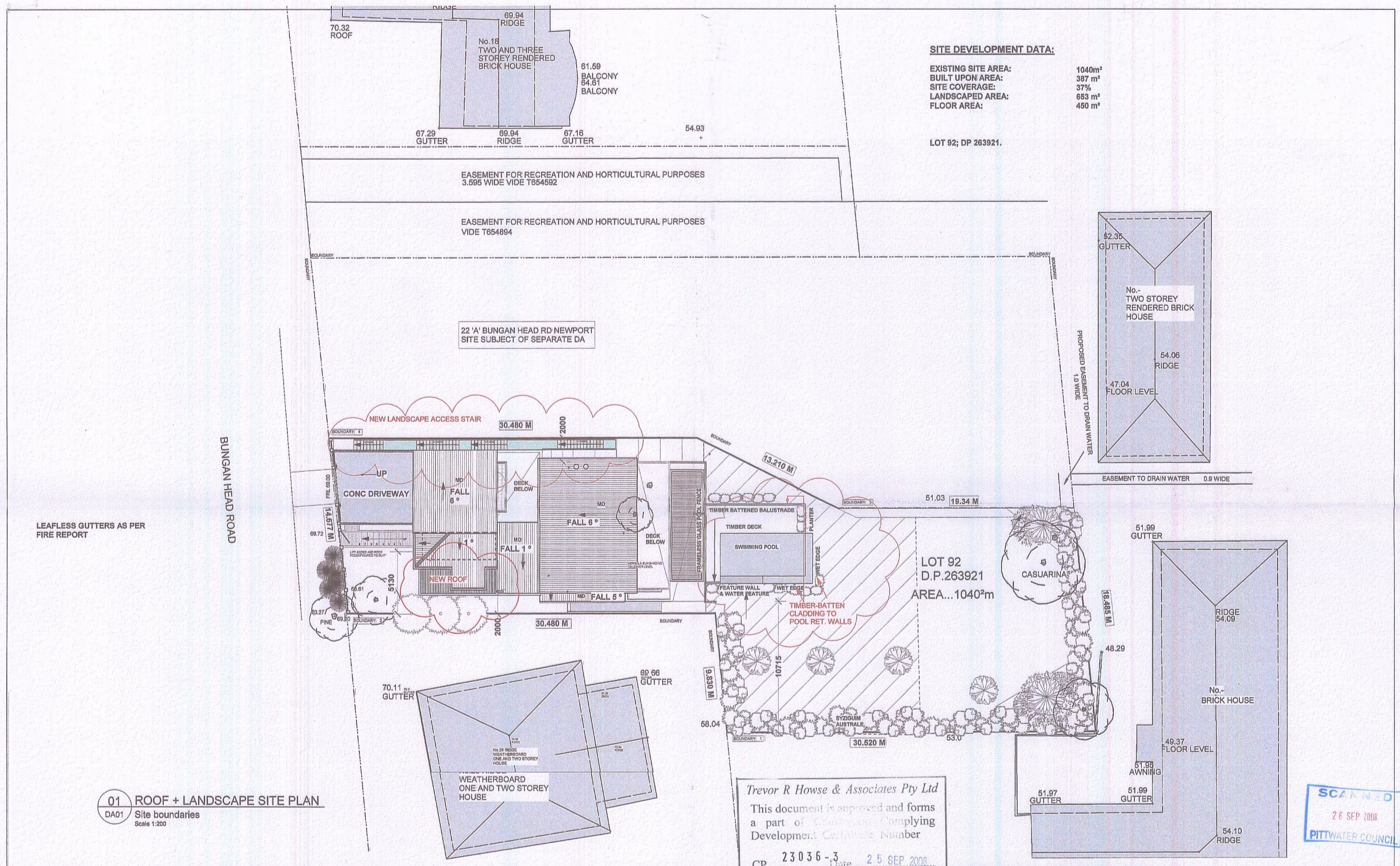
Name Andrew Walsh Signature [Signature] Date D 18 M 09 Y 2008

Exemption Approval Certificate No

R#246507

18/9/08

2 p 0299966539 Andrew Walsh

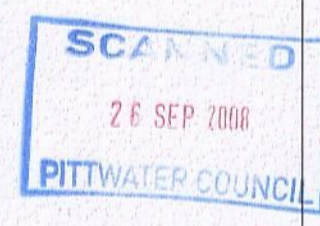


SITE DEVELOPMENT DATA:
 EXISTING SITE AREA: 1040m²
 BUILT UPON AREA: 387 m²
 SITE COVERAGE: 37%
 LANDSCAPED AREA: 653 m²
 FLOOR AREA: 450 m²

LOT 92; DP 263921.

01 ROOF + LANDSCAPE SITE PLAN
 DA01 Site boundaries
 Scale 1:200

Trevor R Howse & Associates Pty Ltd
 This document is approved and forms a part of the Building Complying Development Certificate Number CP 23036-3 Date 25 SEP 2008

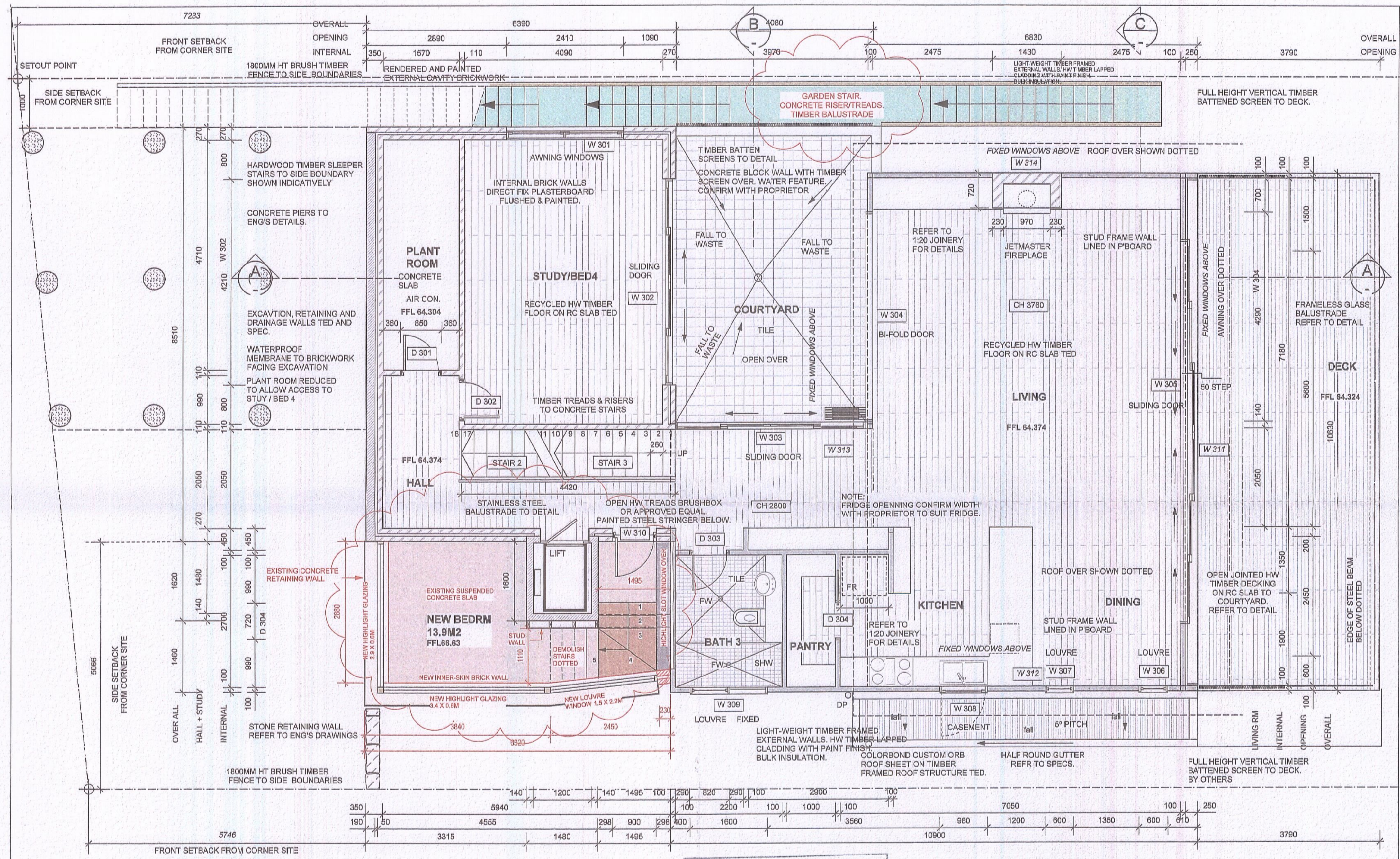


NO.	DESCRIPTION	DATE
C.	BUILDING CERTIFICATE APPLICATION	JUNE 2004.
D.	SECTION 96 ISSUE	FEB 2008.
E.	ROOF SHOWN	APRIL 2008.
F.	MINOR AMENDMENTS	MAY 2008.
G.	ISSUED FOR CC	AUGUST 2008.

CAVITY BRICKWORK	HW TIMBER FLOOR	TO	TIMBER CLADDING	SC	STEEL COLUMN/TED
TIMBER FRAMED WALL	OPEN JOINTED HW TIMBER DECKING	RB	RENDERED BRICKWORK	WM	WASHING MACHINE
CONCRETE BLOCKWORK	METAL DECK ROOF SHEETING	WRC	WESTERN RED CEDAR	DRY	DRYER
INTERNAL TILED SURFACE	EXISTING TREE	FW	FLOOR WASTE	W181	WINDOW CODE
EXTERNAL TILED SURFACE	EXISTING TREE TO BE REMOVED	DPO	DOWN PIPE	HW	DOOR CODE
JOINERY		MD	METAL DECK ROOF SHEET	RC	REINFORCED CONCRETE
		HW	HARD WOOD	YED	TO ENGINEER'S DETAIL
		SHW	SHOWER	SHW	SHOWER
		PTY	PANTRY	FR	FRIDGE
		CPT	CARPET	CH. 200	CILING HEIGHT
		FFL 64.3	FINISH FLOOR LEVEL		

architect **MOLNAR FREEMAN ARCHITECTS** pty ltd
 ABN:11 091 248 761
 1/70 GLENMORE RD.
 PADDINGTON.
 N.S.W. 2021
 Telephone : (02) 9356 4680
 Facsimile: (02) 9356 4669
 email: molnarfreeman@bigpond.com

project			
24 BUNGAN HEAD RD NEWPORT ANDREW WALSH.			
drawing title			
SITE PLAN			
This drawing and the files contained herein are protected by copyright. No license is implied or granted for any other use without the express written permission of the architect. Contractors must verify all dimensions on the field and correct any errors or omissions on the field.			
job no.	170.	drawing no.	S96 001
date	FEB 2008	scale	1:200
revision			G



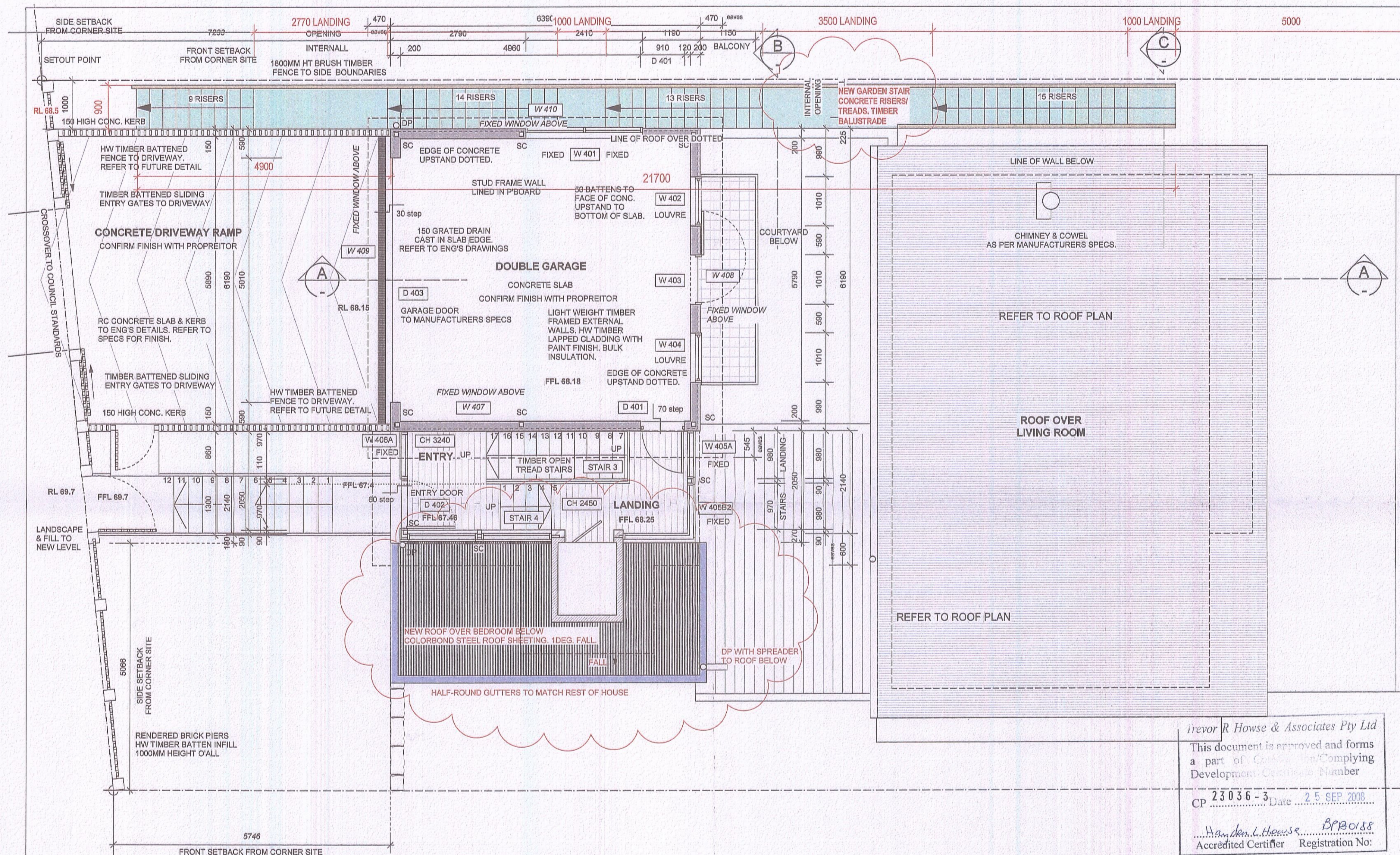
REVISIONS		
NO.	DESCRIPTION	DATE
C.	BUILDING CERTIFICATE APPLICATION	JUNE 2004.
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	CAVITY BRICKWORK		HW TIMBER FLOOR		TC	TIMBER CLADDING		SC	STEEL COLUMN TED
	TIMBER FRAMED WALL		OW TIMBER DECKING		RB	RENDERED BRICKWORK		WM	WASHING MACHINE DRYER
	CONCRETE BLOCKWORK		MD		DP	FLOOR WASTE DOWN PIPE		WT01	WINDOW CODE
	INTERNAL TILED SURFACE		RC		HW	METAL DECK ROOF SHEET HARD WOOD		DT05	DOOR CODE
	EXTERNAL TILED SURFACE		TC		RC	REINFORCED CONCRETE TO ENGINEER'S DETAIL		SD	SMOKE DETECTOR TO ASST STANDARDS
	JOINERY		ET		SHW	SHOWER			
			ETR		PTY	PANTRY			
					FR	FRIDGE			
					CPT	CARPET			
					CH	CEILING HEIGHT			
					PFL	FINISH FLOOR LEVEL			

Trevor R Howse & Associates Pty Ltd
 This document is approved and forms a part of the Development/Complying Development Certificate Number
 23036-3
 Date 25 SEP 2008
 Hayden L Howse
 Accredited Certifier Registration No: 88018

architect **MOLNAR FREEMAN ARCHITECTS pty ltd**
 ABN:11 091 248 761
 1/70 GLENMORE RD.
 PADDINGTON.
 N.S.W. 2021
 Telephone : (02) 9356 4680
 Facsimile : (02) 9356 4669
 email: molnarfreeman@bigpond.com

project **24 BUNGAN HEAD RD NEWPORT ANDREW WALSH.**
 drawing title **LEVEL 3 FLOOR PLAN**
 This drawing and the ideas contained herein are protected by copyright. No person is implied or assigned unless acknowledged separately in writing. Any license will be terminated by the architect if the client copies this drawing to any other building. Contractors must verify all dimensions on site before commencing any work or making any design.
 100 no. 170. drawing no. S96 103
 date FEB 2008 scale 1:50 revision G



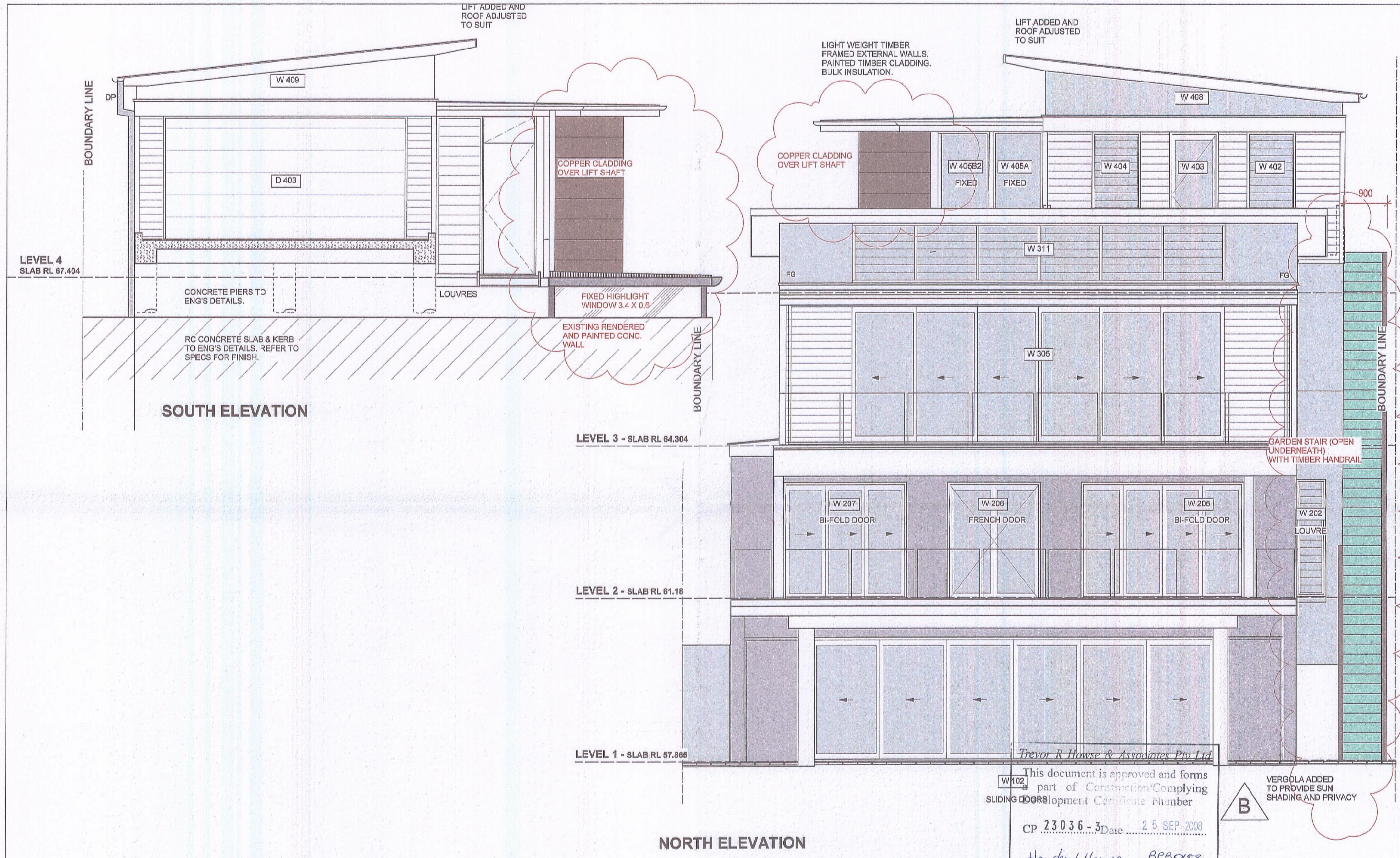
Irevor R Howse & Associates Pty Ltd
 This document is approved and forms a part of the Building/Complying Development Certificate Number CP 23036-3 Date 25 SEP 2008
 Accredited Certifier Registration No: BPC0188

REVISIONS		
NO.	DESCRIPTION	DATE
C.	BUILDING CERTIFICATE APPLICATION	JUNE 2004.
D.	SECTION 96 ISSUE	FEB 2008.
E.	ROOF SHOWN	APRIL 2008.
F.	MINOR AMENDMENTS	MAY 2008.
G.	ISSUED FOR CC	AUGUST 2008.

<ul style="list-style-type: none"> CAVITY BRICKWORK TIMBER FRAMED WALL CONCRETE BLOCKWORK INTERNAL TILED SURFACE EXTERNAL TILED SURFACE JOINERY 	<ul style="list-style-type: none"> HW TIMBER FLOOR OPEN JOINTED HW TIMBER DECKING METAL DECK ROOF SHEETTING EXISTING TREE EXISTING TREE TO BE REMOVED 	<ul style="list-style-type: none"> TC TIMBER CLADDING RB RENDERED BRICKWORK WRC WESTERN RED CEDAR FW FLOOR WASTE DP DOWN PIPE MD METAL DECK ROOF SHEET HW HARD WOOD RC REINFORCED CONCRETE TO ENGINEER'S DETAIL SHW SHOWER FR FRIDGE CPT CARPET CH 3000 CEILING HEIGHT FFL 84.3 FINISH FLOOR LEVEL 	<ul style="list-style-type: none"> SC STEEL COLUMN TIED VW WASHING MACHINE DRYER W101 WINDOW CODE D108 DOOR CODE SD SMOKE DETECTOR TO AJUST STANDARDS
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architect **MOLNAR FREEMAN ARCHITECTS** pty ltd
 ABN:11 091 248 761
 170 GLENMORE RD. PADDINGTON, N.S.W. 2021
 Telephone : (02) 9356 4680
 Facsimile: (02) 9356 4669
 email: molnarfreeman@bigpond.com

project **24 BUNGAN HEAD RD NEWPORT ANDREW WALSH.**
 drawing title **LEVEL 4 FLOOR PLAN**
This drawing and the class contained herein are protected by copyright. No portion is to be reproduced or otherwise used without the prior written consent of the architect. Any alterations or additions to this drawing must be approved by the architect. The client warrants that they are not aware of any other drawings.
 job no: 170. drawing no: S96 104
 date FEB 2008 scale 1:50 revision G



REVISIONS		
NO.	DESCRIPTION	DATE
C.	BUILDING CERTIFICATE APPLICATION	JUNE 2004.
D.	SECTION 98 ISSUE	FEB 2008.
E.	ROOF SHOWN	APRIL 2008.
F.	MINOR AMENDMENTS	MAY 2008.
G.	ISSUED FOR CC	AUGUST 2008.

<ul style="list-style-type: none"> CAVITY BRICKWORK TIMBER FRAMED WALL CONCRETE BLOCKWORK INTERNAL TILED SURFACE EXTERNAL TILED SURFACE JOINERY 	<ul style="list-style-type: none"> HW TIMBER FLOOR OPEN JOINTED HW TIMBER DECKING METAL DECK ROOF SHEETING EXISTING TREE EXISTING TREE TO BE REMOVED 	<ul style="list-style-type: none"> TC TIMBER CLADDING RB RENDERED BRICKWORK WRC WESTERN RED CEDAR FW FLOOR WASTE DPC DOWN PIPE MD METAL DECK ROOF SHEET HW HARD WOOD RC REINFORCED CONCRETE TO ENGINEER'S DETAIL SHW SHOWER PK PANTRY FR FRIDGE CPT CARPET CH 2800 CEILING HEIGHT PFL 64.3 FINISH FLOOR LEVEL 	<ul style="list-style-type: none"> SC STEEL COLUMN TIED WM WASHING MACHINE DRYER WYCL WINDOW CODE DOOR DOOR CODE SD SMOKE DETECTOR TO ALST STANDARDS
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Trevor R Howse & Associates Pty Ltd

This document is approved and forms part of Construction/Complying Development Certificate Number CP 23 036 - 3 Date 25 SEP 2008

Hayden Howse BPB 088

architect MOLNAR FREEMAN ARCHITECTS. Pty Ltd

ABN:11 091 248 761
1/70 GLENMORE RD. PADDINGTON. N.S.W. 2021
Telephone: (02) 9356 4680
Facsimile: (02) 9356 4669
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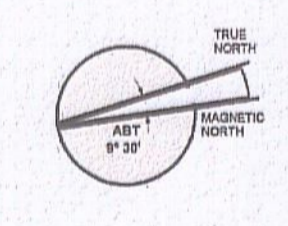
24 BUNGAN HEAD RD
NEWPORT
ANDREW WALSH.

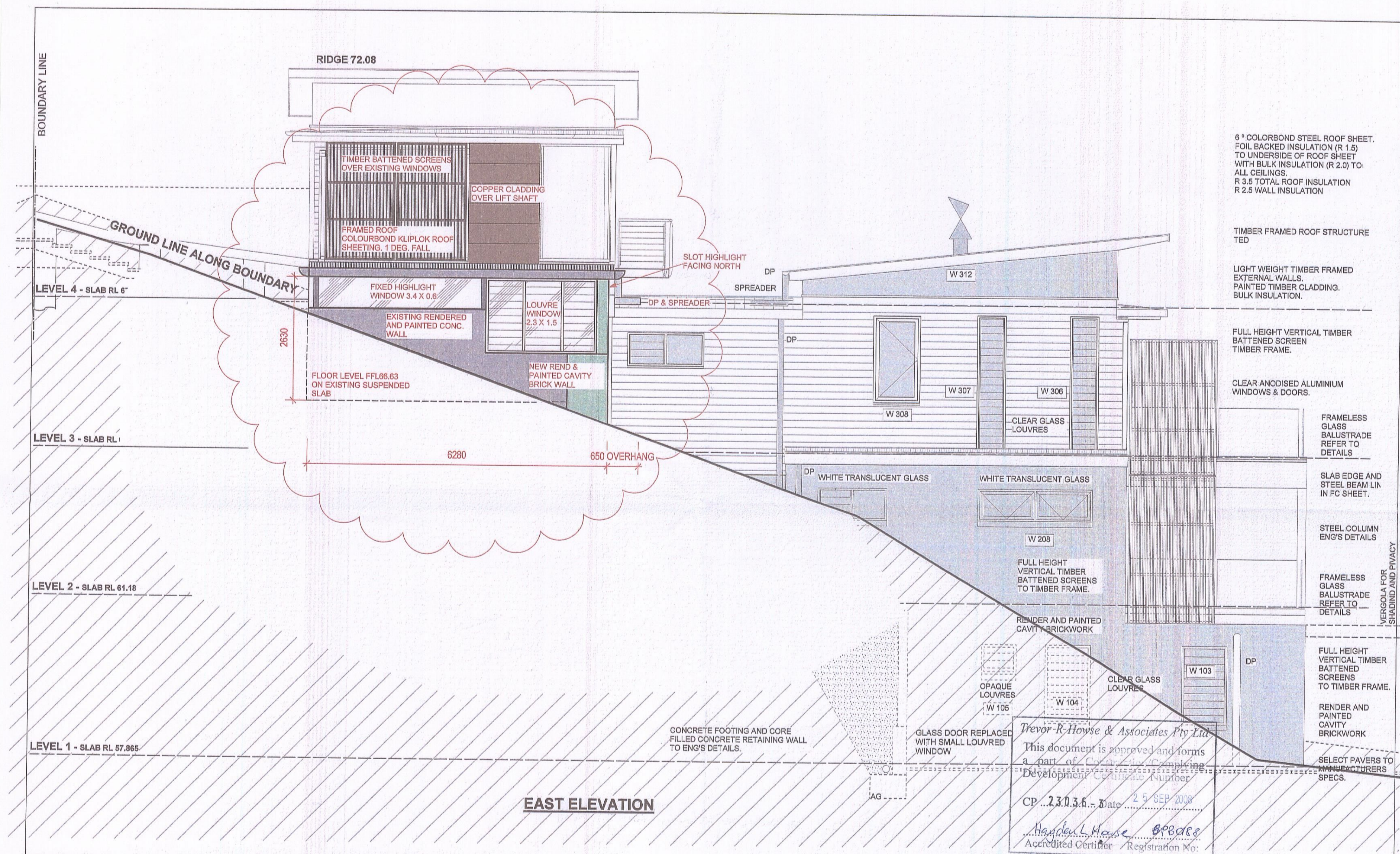
NORTH & SOUTH ELEVATION

drawing title

This drawing and the data contained herein are protected by copyright. No licence is granted, expressed or implied, unless accompanied by a separate agreement. Your attention is drawn to the fact that the client reserves their obligation to pay the architect. Contractors must verify all dimensions on site before commencing any work or making any drawings.

job no:	170.	drawing no:	S96 201
date:	FEB 2008	scale:	1:50
		revision:	G





6° COLORBOND STEEL ROOF SHEET.
FOIL BACKED INSULATION (R 1.5)
TO UNDERSIDE OF ROOF SHEET
WITH BULK INSULATION (R 2.0) TO
ALL CEILINGS.
R 3.5 TOTAL ROOF INSULATION
R 2.5 WALL INSULATION

TIMBER FRAMED ROOF STRUCTURE
TED

LIGHT WEIGHT TIMBER FRAMED
EXTERNAL WALLS.
PAINTED TIMBER CLADDING.
BULK INSULATION.

FULL HEIGHT VERTICAL TIMBER
BATTENED SCREEN
TIMBER FRAME.

CLEAR ANODISED ALUMINIUM
WINDOWS & DOORS.

FRAMELESS
GLASS
BALUSTRADE
REFER TO
DETAILS

SLAB EDGE AND
STEEL BEAM LIN
IN FC SHEET.

STEEL COLUMN
ENG'S DETAILS

FRAMELESS
GLASS
BALUSTRADE
REFER TO
DETAILS

FULL HEIGHT VERTICAL TIMBER
BATTENED SCREENS
TO TIMBER FRAME.

RENDER AND PAINTED
CAVITY BRICKWORK

SELECT PAVERS TO
MANUFACTURERS
SPECS.

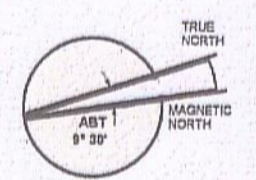
VERGOLA FOR
SHADING AND PRIVACY

EAST ELEVATION

Trevor R Howse & Associates Pty Ltd
This document is approved and forms
a part of Council's Planning
Development Certificate Number
CP 23136 Date 25 SEP 2008
Handwritten: Andrew Walsh
Accredited Certifier Registration No:

REVISIONS		
NO.	DESCRIPTION	DATE
C.	BUILDING CERTIFICATE APPLICATION	JUNE 2004.
D.	SECTION 96 ISSUE	FEB 2008.
E.	ROOF SHOWN	APRIL 2008.
F.	MINOR AMENDMENTS	MAY 2008.
G.	ISSUED FOR CC	AUGUST 2008.

- CAVITY BRICKWORK
- TIMBER FRAMED WALL
- CONCRETE BLOCKWORK
- INTERNAL TILED SURFACE
- EXTERNAL TILED SURFACE
- JONERY
- HW TIMBER FLOOR
- OPEN JOINTED HW TIMBER DECKING
- METAL DECK ROOF SHEETING
- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- TC RB WRC PW DPC MD HW RC SHW PTY FR CPT CR: 2000 PFL 64.3
- TIMBER CLADDING
- RENDERED BRICKWORK
- WESTERN RED CEDAR
- FLOOR WASTE
- DOWN PIPE
- METAL DECK ROOF SHEET
- HARD WOOD
- REINFORCED CONCRETE TO ENGINEER'S DETAIL
- SHOWER
- PANTRY
- FRIIDGE
- CARPET
- CEILING HEIGHT
- FINISH FLOOR LEVEL
- SC WM DRY
- STEEL COLUMN TED WASHING MACHINE DRYER
- WINDOW CODE
- DOOR CODE
- SMOKE DETECTOR TO ASIST STANDARDS



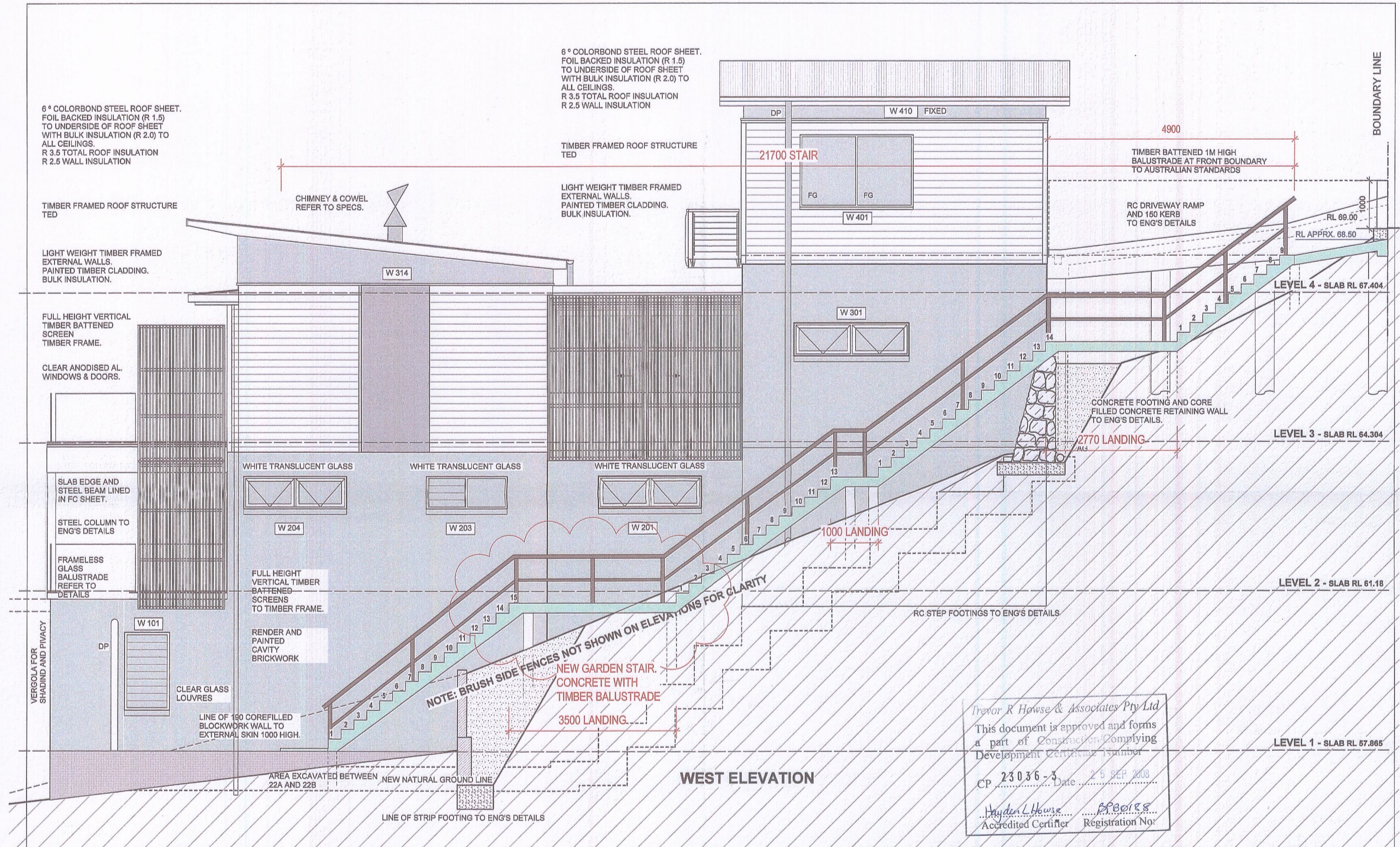
architect **MOLNAR FREEMAN ARCHITECTS, pty ltd** project **24 BUNGAN HEAD RD NEWPORT ANDREW WALSH.**

ABN:11 091 248 761

1/70 GLENMORE RD. PADDINGTON. N.S.W. 2021

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Facsimile: (02) 9358 4669
email: molnarfreeman@bigpond.com

EAST ELEVATION			
drawing title	EAST ELEVATION		
job no:	170.	drawing no:	S96 202
date	FEB 2008	scale	1:50
revision	G		



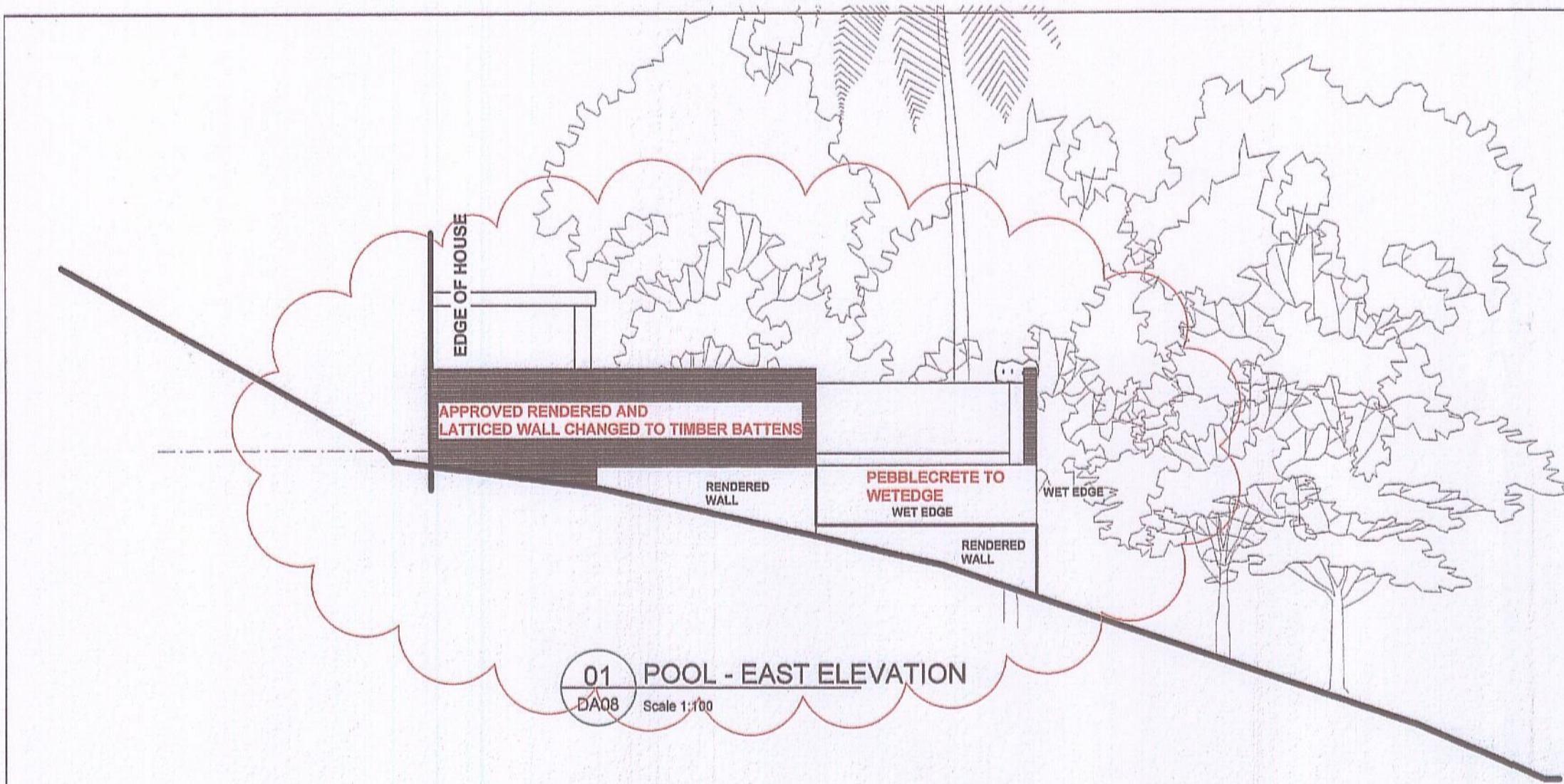
REVISIONS		
NO.	DESCRIPTION	DATE
C.	BUILDING CERTIFICATE APPLICATION	JUNE 2004.
D.	SECTION 96 ISSUE	FEB 2008.
E.	ROOF SHOWN	APRIL 2008.
F.	MINOR AMENDMTS	MAY 2008.
G.	ISSUED FOR CC	AUGUST 2008.

<ul style="list-style-type: none"> CAVITY BRICKWORK TIMBER FRAMED WALL CONCRETE BLOCKWORK INTERNAL TILED SURFACE EXTERNAL TILED SURFACE JOINERY 	<ul style="list-style-type: none"> HW TIMBER FLOOR OPEN JOINTED HW TIMBER DECKING METAL DECK ROOF SHEETING EXISTING TREE EXISTING TREE TO BE REMOVED 	<ul style="list-style-type: none"> TC TIMBER CLADDING RB RENDERED BRICKWORK WRC WESTERN RED CEDAR FW FLOOR WASTE DF/D DOWN PIPE HW HARD WOOD RC REINFORCED CONCRETE TO ENGINEER'S DETAIL SHW SHOWER PTY PAINTY FR FRIDGE CPT CARPET CH 2800 CEILING HEIGHT FPL 64.3 FINISH FLOOR LEVEL 	<ul style="list-style-type: none"> SC STEEL COLUMN TIED WASHING MACHINE DRYER WM WINDOW CODE DRSE DOOR CODE SD SMOKE DETECTOR TO AUST STANDARDS
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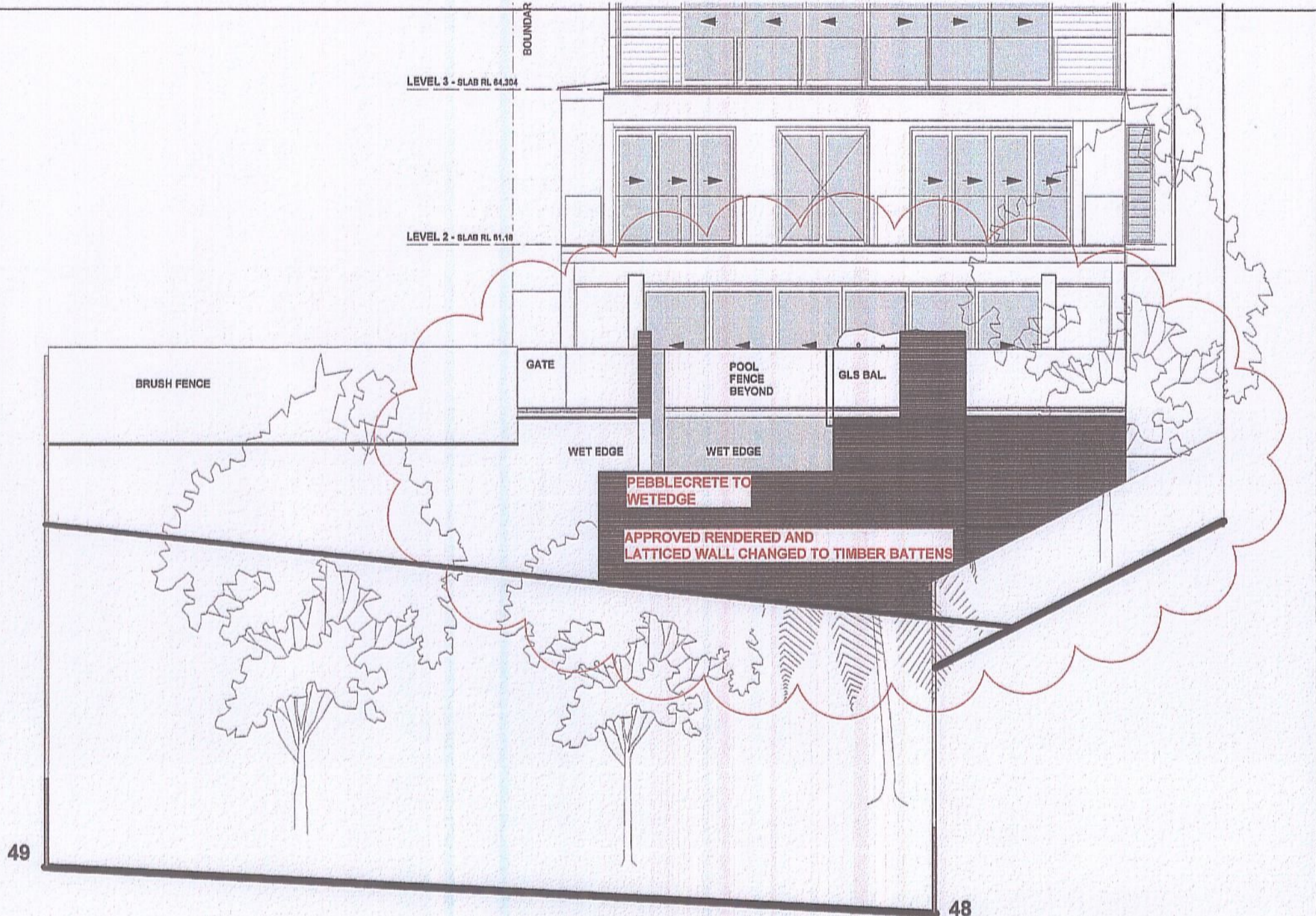
Trevor R Howse & Associates Pty Ltd
 This document is approved and forms a part of Construction Complying Development Certificate Number CP 23036-3 Date 25 SEP 2008
 Trevor R Howse Accredited Certifier
 Registration No. 68018

architect **MOLNAR FREEMAN ARCHITECTS** pty ltd
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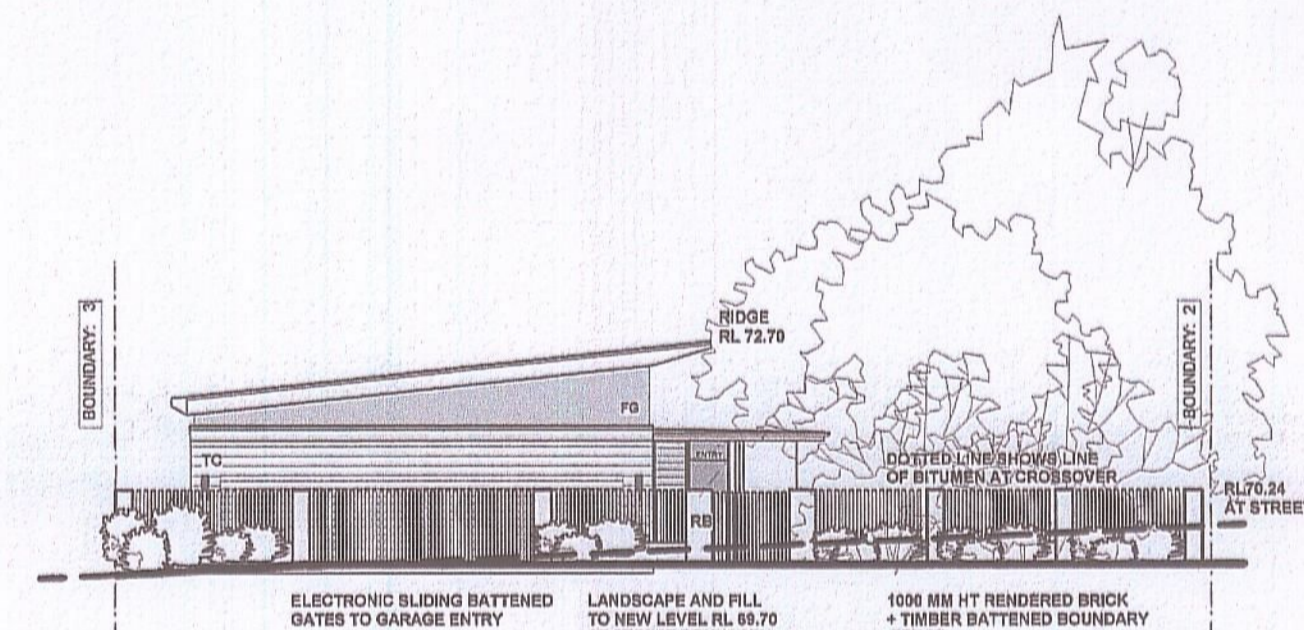
project		24 BUNGAN HEAD RD NEWPORT ANDREW WALSH.	
drawing title		WEST ELEVATION	
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job no:	170.	drawing no:	S96 203
date:	FEB 2008	scale:	1:50
		revision:	G



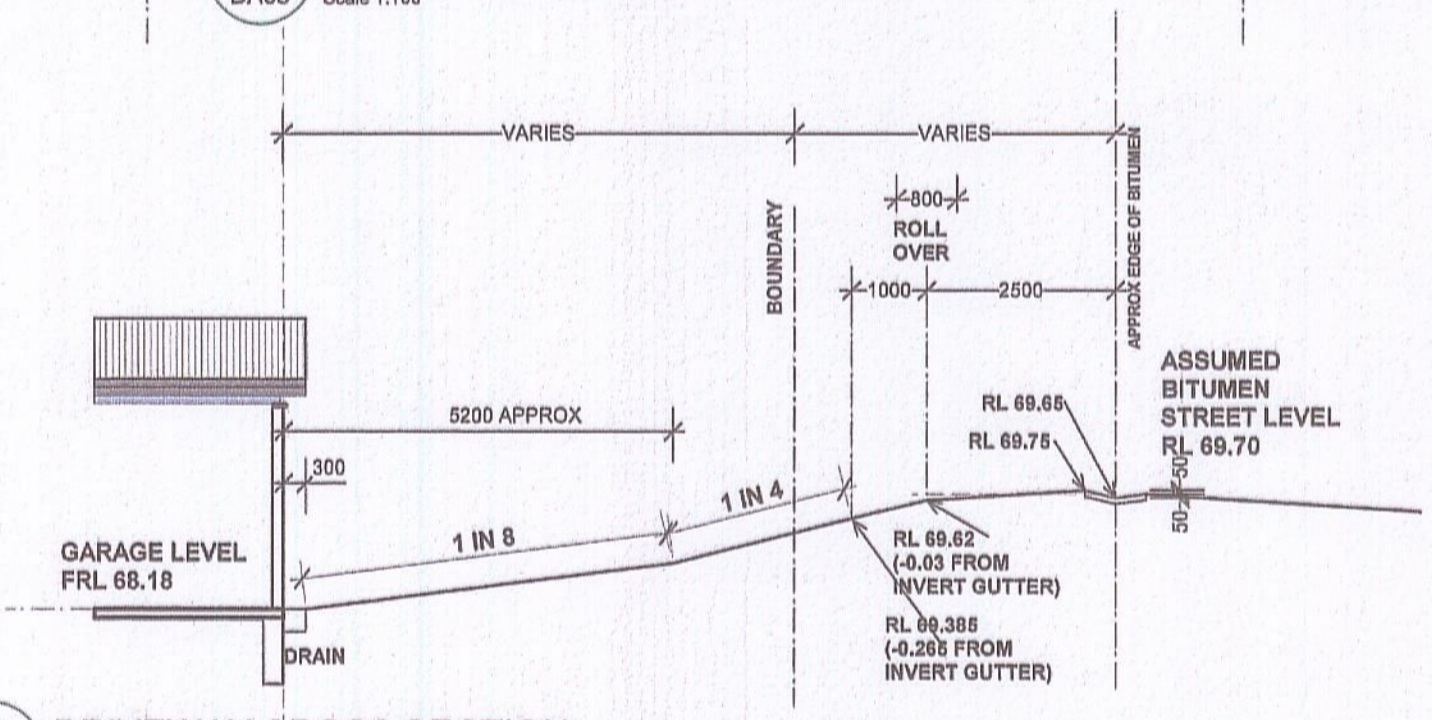
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DA08 Scale 1:100



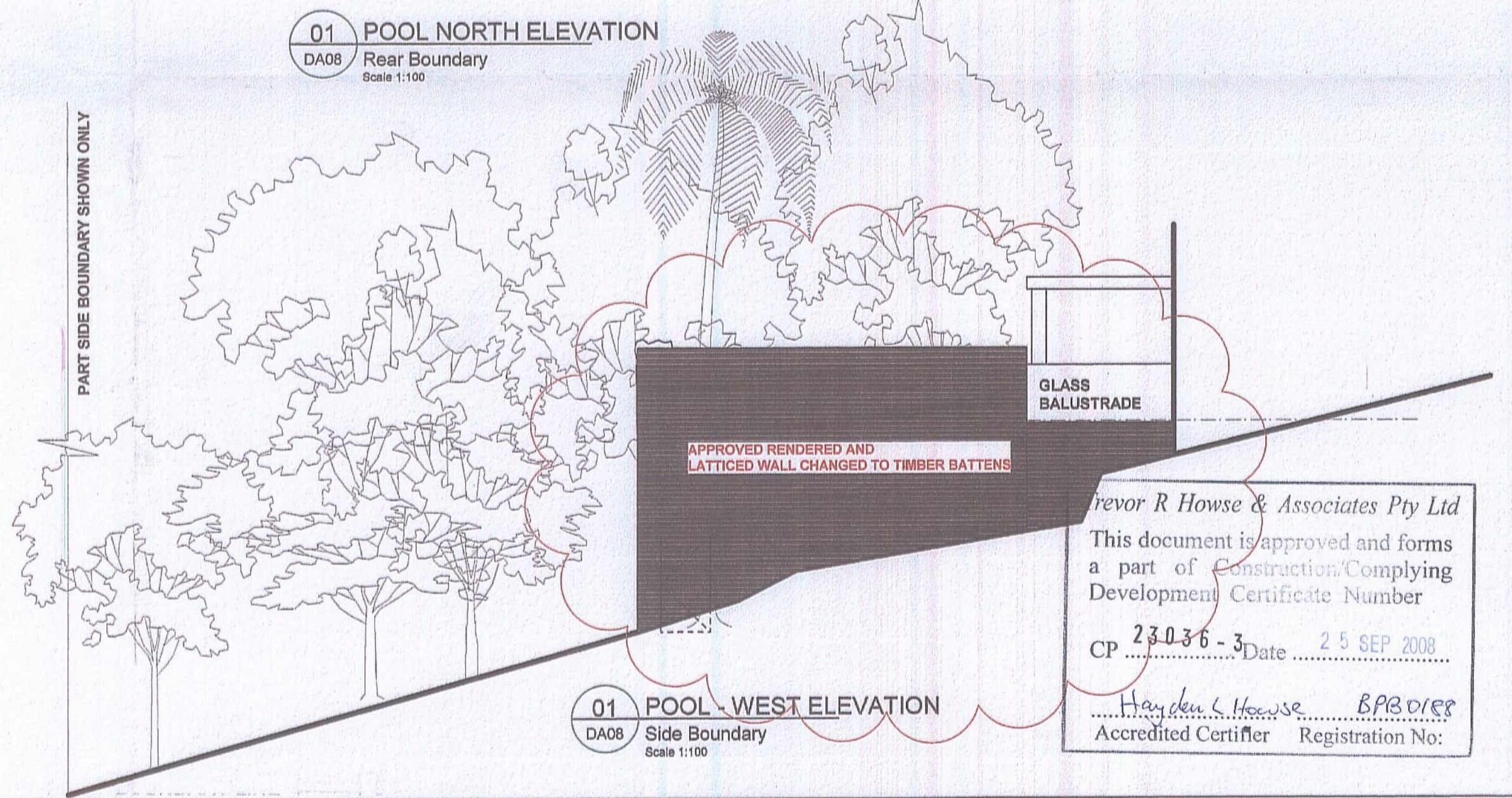
01 POOL NORTH ELEVATION
DA08 Rear Boundary Scale 1:100



01 FRONT FENCE - SOUTH ELEVATION
DA08 Scale 1:100



03 DRIVEWAY CROSS SECTION
DA08 Street Boundary: Bungan Head Rd. Scale 1:100

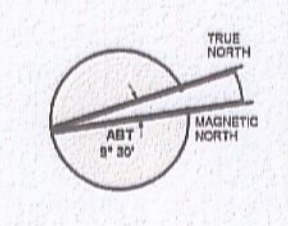


01 POOL WEST ELEVATION
DA08 Side Boundary Scale 1:100

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Hayden L Howse BArch
Accredited Certifier Registration No:

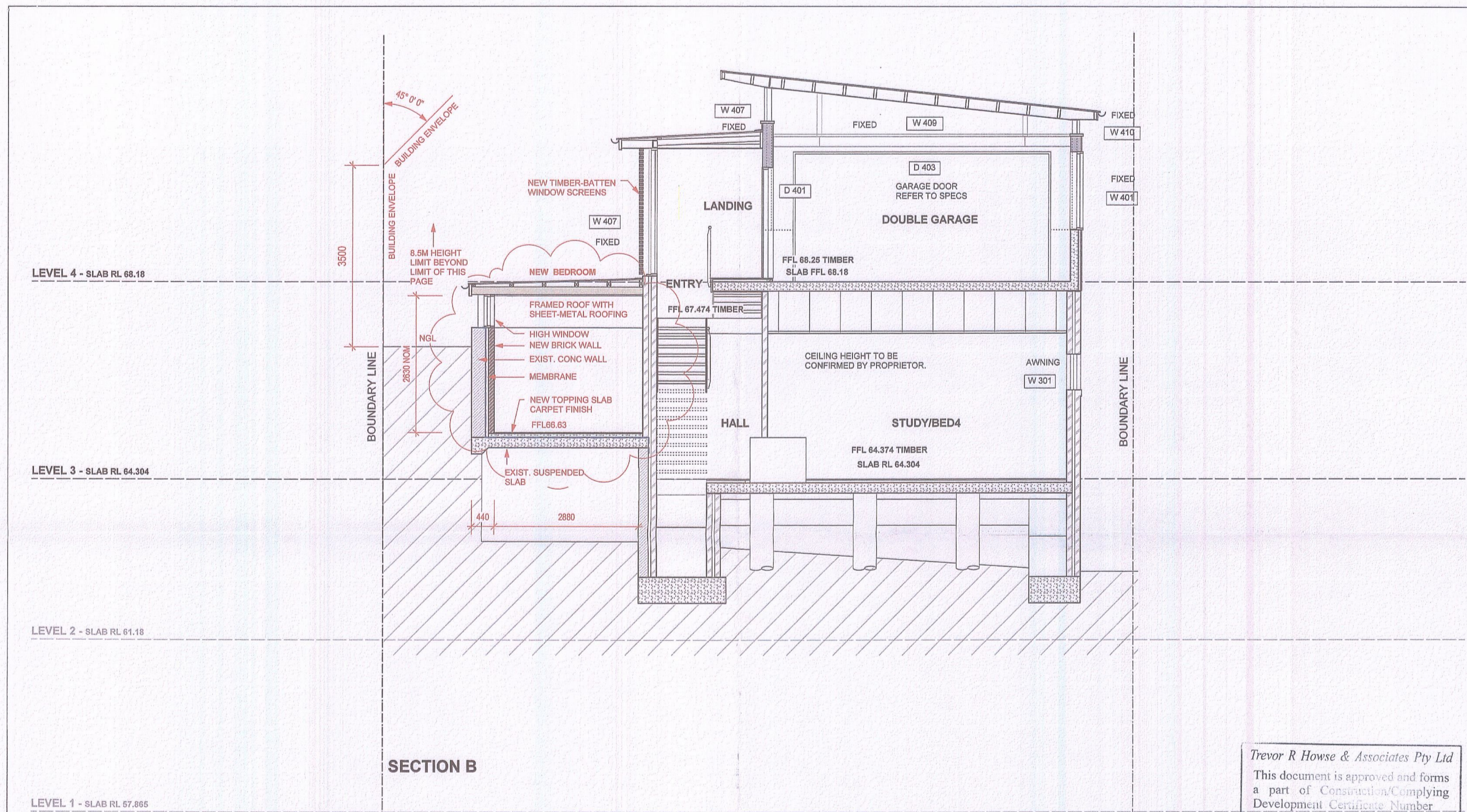
REVISIONS		
NO.	DESCRIPTION	DATE
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D.	SECTION 96 ISSUE	FEB 2008.
E.	ROOF SHOWN	APRIL 2008.
F.	MINOR AMENDMENTS	MAY 2008.
G.	ISSUED FOR CC	AUGUST 2008.

	CAVITY BRICKWORK		HW TIMBER FLOOR		TIMBER CLADDING		STEEL COLUMN TIED
	TIMBER FRAMED WALL		OPEN JOINTED HW TIMBER DECKING		WB WESTERN RED CEDAR		WASHING MACHINE DRYER
	CONCRETE BLOCKWORK		METAL DECK ROOF SHEETING		FW FLOOR WASTE		DOOR CODE
	INTERNAL TILED SURFACE		EXISTING TREE		DW DOWN PIPE		SMOKE DETECTOR TO JUST STANDARDS
	EXTERNAL TILED SURFACE		EXISTING TREE TO BE REMOVED		MD METAL DECK ROOF SHEET		
	JOINERY				HW HARD WOOD		
					RC REINFORCED CONCRETE TO ENGINEER'S DETAIL		
					SHW SHOWER		
					PTY PANTRY		
					FR FRIDGE		
					CPT CARPET		
					CH: 2800 CEILING HEIGHT		
					FFL 64.3 FINISH FLOOR LEVEL		



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project **24 BUNGAN HEAD RD NEWPORT ANDREW WALSH.**
drawing title **FRONT FENCE & POOL ELEVS DRIVEWAY CROSSOVER**
drawing no. 170. drawing no. S96 204
date FEB 2008 scale 1:100 revision G



SECTION B

Trevor R Howse & Associates Pty Ltd
 This document is approved and forms
 a part of Construction/Complying
 Development Certificate Number
 CP 23036-3 Date 25 SEP 2008
 Trevor R Howse B.P.B.O.S.P.
 Accredited Certifier Registration No:

REVISIONS		
NO.	DESCRIPTION	DATE
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E.	ROOF SHOWN	APRIL 2008.
F.	MINOR AMENDMENTS	MAY 2008.
G.	ISSUED FOR CC	AUGUST 2008.

<p>CAVITY BRICKWORK</p> <p>TIMBER FRAMED WALL</p> <p>CONCRETE BLOCKWORK</p> <p>INTERNAL TILED SURFACE</p> <p>EXTERNAL TILED SURFACE</p> <p>JOINERY</p>	<p>HW TIMBER FLOOR</p> <p>OPEN JOINTED HW TIMBER DECKING</p> <p>METAL DECK ROOF SHEETING</p> <p>EXISTING TREE</p> <p>EXISTING TREE TO BE REMOVED</p>	<p>TC RENDERED BRICKWORK</p> <p>WB WESTERN RED CEDAR</p> <p>FW FLOOR WASTE</p> <p>DPO DOWN PIPE</p> <p>MD METAL DECK ROOF SHEET</p> <p>HW HARD WOOD</p> <p>RC REINFORCED CONCRETE TO ENGINEER'S DETAIL</p> <p>SHW SHOWER</p> <p>PTY PANTRY</p> <p>FR FRIDGE</p> <p>CPT CARPET</p> <p>CH: 2800 CEILING HEIGHT</p> <p>FFL 64.3 FINISH FLOOR LEVEL</p>	<p>SC STEEL COLUMN TIED</p> <p>WM WASHING MACHINE DRYER</p> <p>W407 WINDOW CODE</p> <p>D403 DOOR CODE</p> <p>SD SMOKE DETECTOR TO AUSTRALIAN STANDARDS</p>
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project	24 BUNGAN HEAD RD NEWPORT ANDREW WALSH.		
drawing title	SECTION B		
job no:	170.	drawing no:	S96 302
date	FEB 2008	scale	1:50
revision			G

GENERAL NOTES

- GENERAL**
- G1 The drawings are to be read together with all Architects drawings and specifications
 - G2 Dimensions shall not be obtained by scaling from the drawings. All setting out dimensions shall be verified and discrepancies shall be referred to the Engineer prior to commencement of work
 - G3 Care is required during construction so that structural elements are not overstressed and that the works and excavations required therefore are kept stable at all times
 - G4 Design, materials and workmanship are to be in accordance with current S.A. standards and statutory authority regulations except where varied by these documents
 - G5 Design live loads are in accordance with AS 1170.1
 - G6 Builder to ensure stability of existing structures in the vicinity of excavation works
- FOUNDATIONS**
- F1 FOUNDATION STRATA IS ASSUMED FOR DESIGN PURPOSES IN ACCORDANCE WITH AS 2870-1996 'RESIDENTIAL SLAB AND FOOTINGS-CONSTRUCTION'. SEE FOOTNOTE CLASSIFICATION TO BE VERIFIED BY A GEOTECHNICAL ENGINEER COMMISSIONED BY THE CLIENT FOR CERTIFICATION OF FOUNDATIONS
 - F2 Footings to be constructed and back filled as soon as possible following excavation to avoid softening by rain or drying out by exposure
 - F3 Footings must bear into undisturbed natural ground clear of organic material. Refer to details
 - F4 If rock or variable bearing strata is encountered during excavation of the footings all footings/piers are to be excavated to similar material of greater bearing capacity. The Engineer is to be contacted at that time for approval or review
 - F5 Footings to be cast in approved material having an allowable capacity as follows
 - SA1 Required bearing capacity 100 kPa
 - SA2 Trenches must be cleared of all debris and hard compacted prior to placement of reinforcement
 - Clay Foundations
 - Cl1 Required bearing capacity 150 kPa
 - Cl2 Trenches must be cleared of all debris. Soft spots must be cut out and filled as per compacted fill notes, prior to placement of reinforcement
 - Shale Foundations
 - SH1 Required bearing capacity 400 kPa
 - SH2 Excavation for footings into shale must be cast or capped with plain concrete on the same day as excavation
 - Sandstone Foundations
 - SS1 Required bearing capacity 600 kPa
 - SS2 Slope weathered surface to remove cleaned sandstone under footings
 - F6 Refer adjacent for assumed Design bearing strata
 - F6 Future development of neighboring properties may affect ground water conditions on this site. Consequently, reactivity in subgrade beneath footings may be locally altered therefore putting footing at risk of differential settlement. We recommend that, particularly in clay subgrades, agricultural drainage is installed to the upstream perimeter of the building at a distance from the building which is outside the zone of influence of the footings. The agricultural drain must be installed below the fluctuating seasonal zone which should be identified by geotechnical investigation
- CONCRETE**
- C1 All workmanship and materials shall be in accordance with AS 3600
 - C2 Concrete quality shall be as follows and shall be verified by tests
 - C3 All concrete unless otherwise noted shall have a slump of 80mm at point of placement, a max aggregate size of 20 mm
 - C4 No water shall be added to the mix prior to or during placement of concrete. Strength as specified on plans during placement of concrete shall be as follows unless otherwise shown--
- | ELEMENT | INTERIOR | EXTERIOR | EXTERIOR CAST AGAINST GROUND |
|-------------------|--------------------------|---------------|------------------------------|
| FOOTINGS | - | - | 50 |
| COLUMNS/PEDISTALS | 30 UNO | REFER TO PLAN | - |
| SLABS/WALLS | 25 | REFER TO PLAN | 40 ON MEMBRANE |
| BEAMS | 25 UNO | REFER TO PLAN | 50 |
| BLOCKWORK | 55 FROM APPROPRIATE FACE | | |
- REINFORCEMENT**
- R1 All reinforcement specified is Grade D500 unless noted otherwise
 - R2 Reinforcement is represented diagrammatically it is not necessarily shown in the projection
 - R3 Top reinforcement is to be continuous over supports
 - R4 Bottom reinforcement is to be lapped at supports
 - R4 Welding of reinforcement shall not be permitted unless shown on the structural drawings
 - R5 Pipes or conduits shall not be placed within the zone of concrete cover to the reinforcement without the approval of the engineer
 - R6 All reinforcing bars and fabric shall comply with AS 4671-2001
 - R7 Reinforcement symbols
 - N - Grade 500N deformed bar (D500) Normal Ductility
 - R - Grade 250N plain round bar (R250) Normal Ductility
 - S1 - Grade 500L welded deformed ribbed mesh (D500L) Square Low Ductility
 - S2 - Grade 500L welded deformed ribbed mesh (D500L) Rectangular Low Ductility
 - R8 The number immediately following these symbols is the number of millimeters in the bar diameter. Example: 8 N12-250 denotes 8, Grade 500N deformed bars, 12 mm diameter at 250 cts square + 25 mm unless noted otherwise
 - R8 Fabric reinforcement to be lapped 1 complete
 - R9 All reinforcement shall be firmly supported on bar chairs spaced at a maximum of 750 centres both ways under rod and fabric reinforcement. Reinforcement shall be tied at alternate intersections
- FORMWORK**
- FM1 Formwork must be cleared of all debris prior to casting of concrete
 - FM2 Minimum stripping times for form work shall be as recommended in AS 3610 - 1990 or as directed by the engineer
 - FM3 The finished concrete shall be a dense homogeneous mass, completely filling the form work, thoroughly embedding the reinforcement and free of stone pockets. All concrete elements including slabs on ground and footings shall be compacted with mechanical vibrators
 - FM4 Curing of all concrete is to be achieved by keeping surfaces continuously wet for a period of 3 days, followed by prevention of loss of moisture for seven days followed by a gradual drying out. Approved sprayed on polythene sheeting or wet hessian may be used if protected from wind and traffic
- BRICKWORK**
- BR1 Brickwork is to be constructed to AS 3700
 - BR2 Two layers of approved gressed metal based slip material shall be used over all load bearing walls that support concrete slabs and placed on smooth brickwork or trowelled mortar finish. Non load-bearing walls shall have 10 mm compressible material and ties to the slab soffit
 - BR3 No brickwork shall be constructed on suspended slabs until all propping has been removed from the underside of the slab and the concrete has the specified 28 day cylinder strength verified by tests or in accordance with AS 3700
 - BR4 Exposure grade bricks to be used below damp proof course
 - BR5 Vertical control joint material where specified on plan between slabs and brick walls shall be 10 mm Sparlock External UNO Bitumastic fibreboard internal UNO
- BLOCKWORK**
- BL1 Concrete blocks shall have a minimum compressive strength of 15 MPa and conform to AS 1500
 - BL2 Masonry to be constructed to AS 3700
 - BL2 Where cores of hollow blocks are to be filled, properly compacted 20MPa concrete with 10 mm aggregate and 250 mm slump shall be used. Clean out openings must be utilized for all cores
 - BL3 Location of actual starters is critical to suit block cores, allow 55 mm cover from the outside face of blockwork. All reinforcement lap lengths to conform to AS 3600
 - BL4 Control joints to be placed at a maximum of 8 m centres or in accordance with AS 3700
 - BL5 Vertical control joint material where specified on plan between slabs and brick walls shall be 10 mm Sparlock External UNO Bitumastic fibreboard internal UNO
 - BL6 Retaining walls or any reinforced and concrete core filled block walls to be of Double 'U' Block Construction
 - BL7 No blockwork shall be constructed on suspended slabs until all propping has been removed from the underside of the slab and the concrete has the specified 28 day cylinder strength verified by tests unless approved by the Structural Engineer
 - BL8 Max pour height for unrestrained blockwork is 2000
- STEEL**
- S1 All Structural steelwork to be Grade 300 or greater
 - S2 Design, fabrication and erection to be in accordance with AS 4100
 - S2 Materials and workmanship shall comply with AS 1250 - 1981, SAA Steel Structures Code and the specification for Structural Steel
 - S3 Rolled steel sections including steel plates shall comply with AS 3678 - 1990
 - S4 Cold formed steel sections shall be Grade 450 Zinc coated in accordance with AS 1538-1998
 - S5 Welded and seamless steel hollow sections shall comply with AS 1463 Grade 350
 - S6 Bolt Designation
 - 4.65 - Commercial bolts Grade 4.6, snug tightened
 - 8.8S - High strength structural bolts Grade 8.8, snug tightened
 - 8.8TB - High strength structural bolts Grade 8.8, fully tightened to AS 1511 and acting as a Bearing Joint
 - 8.8TF - High strength structural bolts Grade 8.8, fully tensioned to AS 1511 and acting as a Bearing Joint
 - S7 Unless noted otherwise, all bolts will be 8.8S
 - S7 Unless shown otherwise, minimum connection shall be 27% bolts, 10 thick gusset plates, 6mm continuous fillet welds
 - S8 Load indicating washers shall be used in all fully tensioned joints, (8.8TF & 8.8TB)
 - S9 All welding shall be carried out in accordance with AS 1554 SAA Structural Steel Welding Code
 - S10 Unless noted otherwise all welds shall be category SP using E41xx Electrodes
 - S11 All built up shall be complete penetration butt welds category SP
 - S11 Grinding of anchor bolt sleeves and base plates shall be completed by the contractor using High Strength, Non-Sparking grit
 - S12 Fabrication and erection tolerances for Structural Steelwork shall be in accordance with AS 4100
 - S13 Purlin bolts shall be M12 - 4.6S galvanised
 - S14 Steel work shall have one of the following grades of corrosion protection -
 - a Thoroughly cleaned wire brushing, followed by two coats of zinc phosphate primer equivalent to Dulux Lumprime applied by hand using brushes to achieve a total dry film thickness of 70 microns
 - b Preparation Blast clean to a minimum standard Class 2.5 in accordance with AS 1627 Part 4
 - Primer - 2-pack epoxy phosphoric acid dft 75 microns (Dulux Durepon P14)
 - Barrier Coat - 2-pack epoxy micasous iron oxide, dft 100 microns
 - Finish Coat - 2-pack epoxy high glass acrylic to dft 75 microns (e.g. Dulux Acrythane 1 F) in an approved colour
 - c Hot dipped galvanised to AS 4460
 - S15 Where the galvanic (Hot Dip Galvanized) coating is compromised by welding, bolting or damage, zinc-rich paint (minimum 95% zinc content) is to be applied after wire brushing affected area (use 3 coats minimum) or Hot Metal Spray in accordance with AS 4460
 - S15 Workshop drawings shall be prepared and two copies submitted to the engineer for review prior to fabrication commencement
- TIMBER**
- T1 All workmanship and materials to be in accordance with AS 1684, AS 1720 and AS 3954. All soft wood to be Grade F7 unless noted otherwise. All hardwood to be the minimum Grade F14 unless otherwise noted. Exposed timber to be CCA treated (to AS 1604) redwood after full impregnation, or durability class 1, 2 or 3 ALL SOFTWOOD TIMBER FRAMING TO HAVE A MINIMUM TREATMENT PROTECTION OF H2 OR T2 TREATED FOR TERTIARY PROTECTION UNLESS NOTED OTHERWISE
 - T2 All joists deeper than 150 to have blocking over support bearings and at a maximum 3000 centres
 - T3 Roof trusses to be designed by the manufacturer to the relevant standards. Pre carrier to be an amount equal to dead load deflection u no
 - T4 All holes for bolts to be exact size. Washers to be used under all heads and nuts and to be at least 2.5 times the bolt diameter. Bolts to be M6 grade 4.6 unless noted otherwise
 - T5 Treat all exposed cut ends with Resol by Proform to manufacturers specification to achieve required Hazard Level Exposure Classification
 - T6 Bolters for T & G to be Kiln Dried to 12 %
 - T7 30mm minimum deep treated pine or as recommended by supplier flooring to be installed no sooner than 28 days after slab pour
 - T7 Hot dip galvanized nails/screws to be used with all timber connections
 - T8 Continuous nailing must not be used for any timber connections
 - T9 All exposed CCA treated pine to have an application of penetrating sealer to reduce warping and twist of the timber due to varying moisture content in service
- CONTACTED FILL**
- CF1 Only to be used with approval by Engineer & to be certified by a geotechnical Engineer
 - CF2 Clear organic material and topsoil under proposed slabs/footings
 - CF3 Filling shall be granular material compacted in not more than 200 mm layers to a minimum dry density ratio (AS 1299/E4.2 1982) of 98 percent
 - CF4 During clearing and excavation for slabs and footings cut out soft spots and fill as above
- INSPECTIONS BY ENGINEER**
- 48 HOURS NOTICE IS REQUIRED BEFORE ANY SITE INSPECTION
 - 1 Bearing strata of all footings prior to concrete pour
 - 2 Any reinforcement prior to concrete pour
 - 3 Timber and Steel framing prior to cladding or lining
 - 4 Steel Inlets after installation
 - 5 CONTACT YOUR PCA (Principal Certifying Authority) AS TO REQUIREMENTS FOR MANDATORY CRITICAL STAGE INSPECTIONS IN ACCORDANCE WITH REVISED EPA ACT REGULATIONS EFFECTIVE JULY 1, 2004
- DRAWING SCHEDULE**
- 501 - GENERAL NOTES AND DRAWING SCHEDULE
 - 502 - LEVEL 3 SLAB PLAN
 - 503 - SECTIONS & DETAILS
 - 504 - ROOF FRAMING PLAN
 - 505 - ROOF FRAMING DETAILS

DOCUMENT CERTIFICATION

I am a qualified Structural/Civil Engineer
I hold the following qualifications:

B E (Civil) MEMBERSHIP P Eng
Institute of Engineers Membership No 194677
I hereby state that this drawing is in compliance with the provisions of the Building Code of Australia and/or relevant Australian/Industry Standards

ASSUMED FOUNDATION CLASSIFICATION FOR DESIGN PURPOSES - N/A
ASSUMED BEARING STRATA FOR DESIGN PURPOSES - N/A
CONTRACTOR TO ENGAGE GEOTECHNICAL CONSULTANT TO VERIFY FOUNDATION CLASSIFICATION

Proposed ALTERATIONS
at 24 BUNGAN HEAD RD
NEWPORT
for Andrew Walsh

GENERAL NOTES
AND DRAWING SCHEDULE

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e-mail nbc@northernbeaches.com.au
www.northernbeaches.com.au

**PROPOSED ALTERATIONS
at 24 BUNGAN HEAD RD
NEWPORT
for Andrew Walsh**

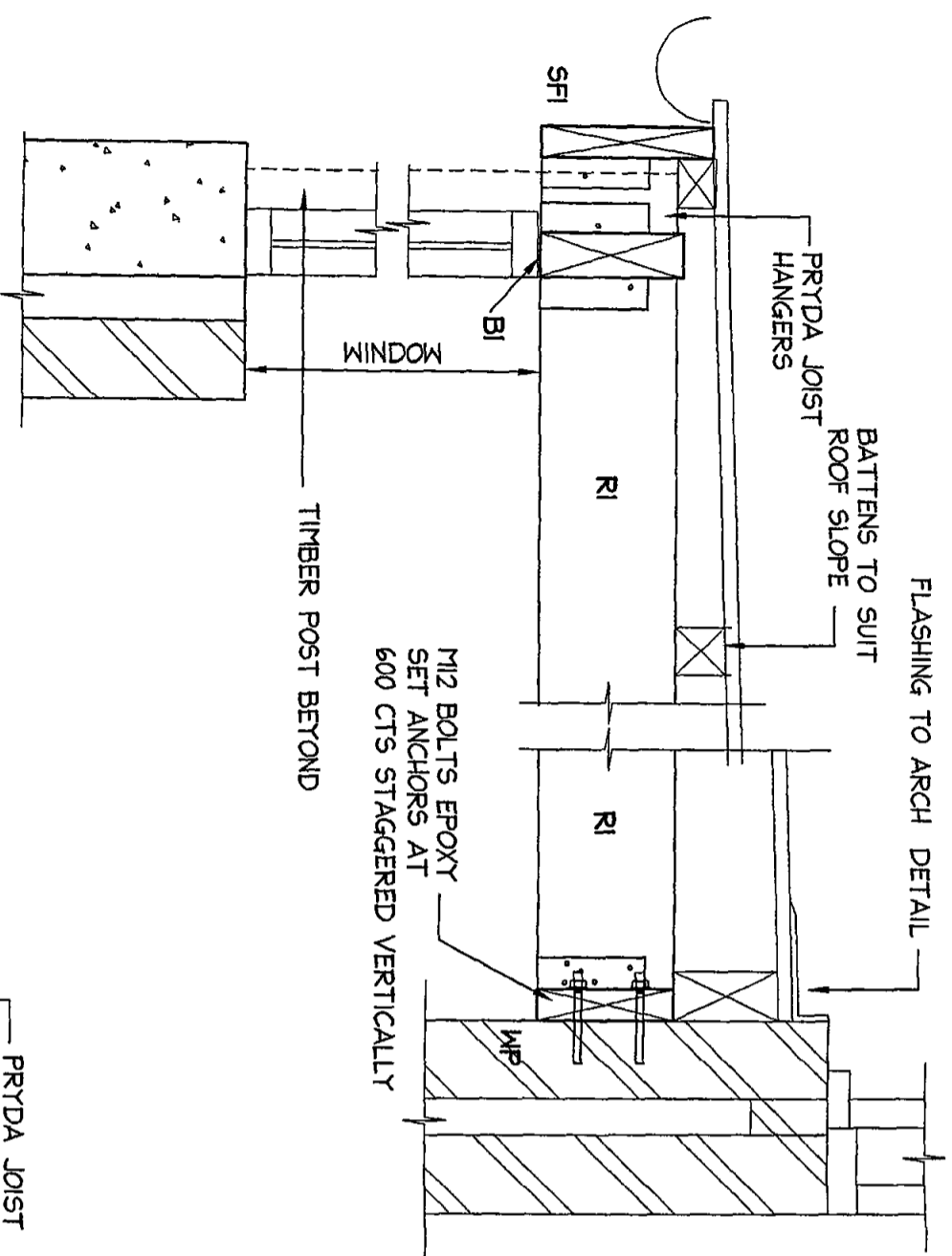
**GENERAL NOTES
AND DRAWING SCHEDULE**

Date	Rev	Amendment	Drawn	Checked
JUNE 2008	BS		MC	

Job No **080445** Drawing No **501**

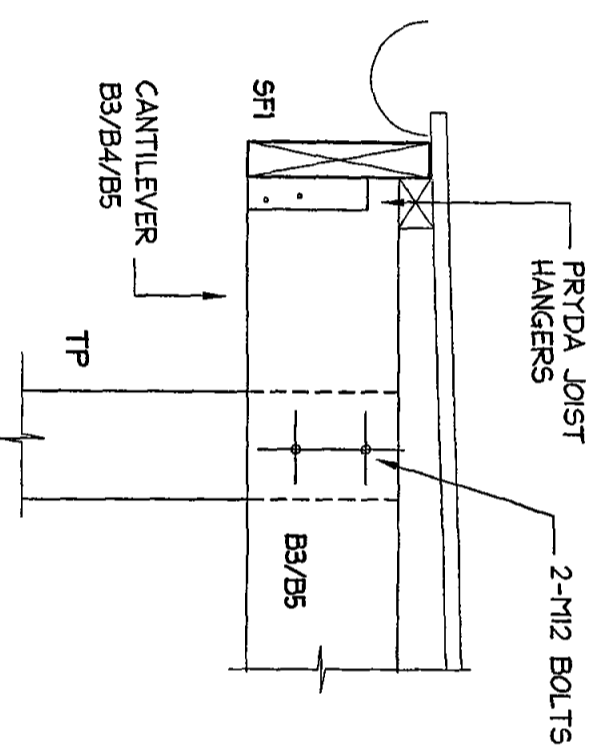
Signature
Registered on the NPBR in the area of practice of
National Professional Engineers Register

Mr Peter Crozier
MEASUR (Civil / Geotechnical)
N.P.E.R.
Date 31/7/08



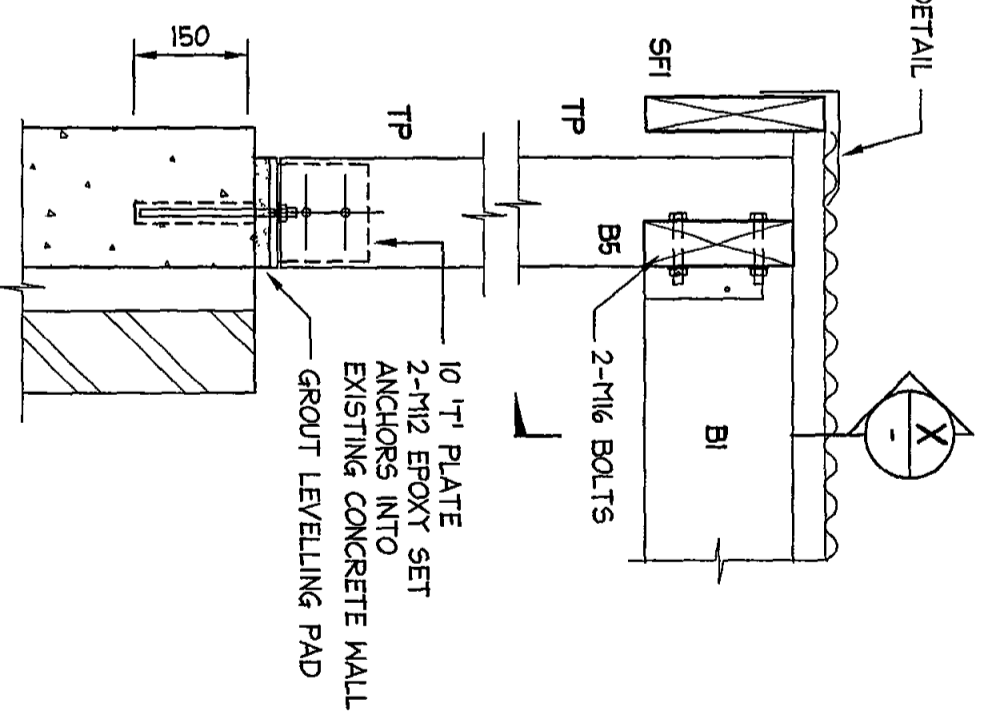
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SCALE = 1:10

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S04



SECTION 2
SCALE = 1:10

2
S04



SECTION 3
SCALE = 1:10

3
S04

- NOTES**
- 1 ALL DIMENSIONS TO BE VERIFIED ON SITE BY BUILDER BEFORE COMMENCING WITH WORK
 - 2 FOR GENERAL NOTES AND DRAWING SCHEDULE REFER TO DRAWING NUMBER S01

A3

DOCUMENT CERTIFICATION

Date: 1/7/08
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 (Director Northern Beaches Consulting Engineers)

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 I hold the following qualifications
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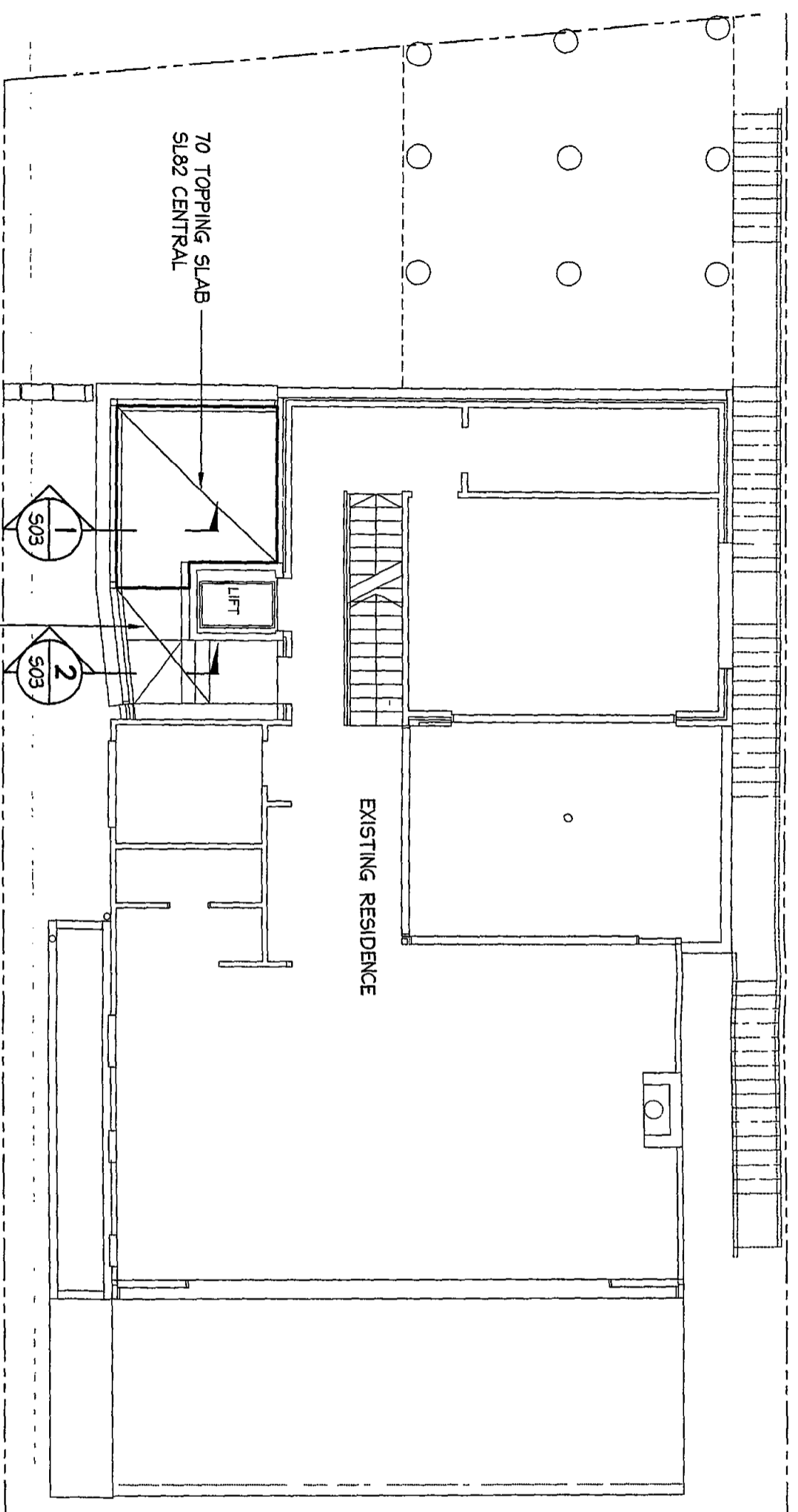
NORTHERN BEACHES
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Project:
PROPOSED ALTERATIONS
at 24 BUNGAN HEAD RD
NEWPORT
 for Andrew Walsh

Drawing Title:
SECTIONS & DETAILS

Date	Design	Drawn	Checked
JUNE 2008	BS	MC	
Job No	080445	Drawing No	S05
Rev			

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- NOTES**
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 - 2 FOR GENERAL NOTES AND DRAWING SCHEDULE REFER TO DRAWING NUMBER S01

LEVEL 3 SLAB PLAN

SCALE = 1 : 100

NOTE
 CONCRETE STRENGTH
 INTERNAL SLABS
 $f_c = 32 \text{ MPa}$, COVER = 30 mm

Registered Professional Engineer 691550
Mr Peter Crozier
 MIEAust (CEng / Geotechnical) N P E R
 Signature: *Peter Crozier* Date: 31/7/08
 Registered on the NPFR in the area of practice of
Civil / Geotechnical
 National Professional Engineers Register

Date	Rev	Amendment	Date	Rev	Amendment

Date	Design	Drawn	Checked
JUNE 2008	BS	MC	

Job No **080445** Drawing No **S02** Rev -

DOCUMENT CERTIFICATION

Date **1/7/08**
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 (Director Northern Beaches Consulting Engineers)

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 Ph: (02) 9994 7000 Fax: (02) 9994 7444
 e-mail: nb@nbeconsulting.com.au
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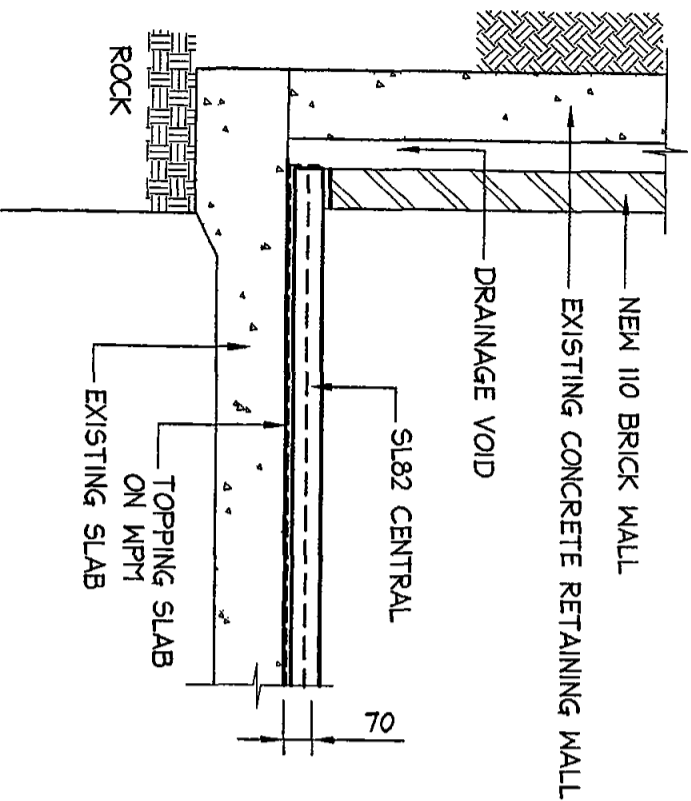
Project:
PROPOSED ALTERATIONS
at 24 BUNGAN HEAD RD
NEWPORT
 for Andrew Walsh

Drawing Title
LEVEL 3
SLAB PLAN

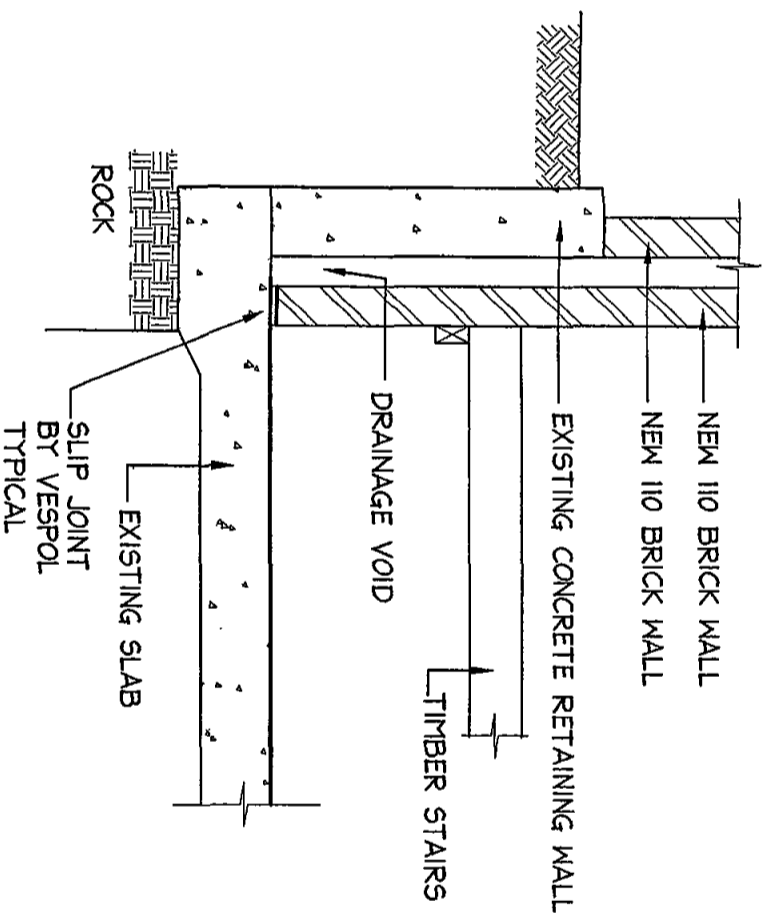
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A3

- NOTES**
- 1 ALL DIMENSIONS TO BE VERIFIED ON SITE BY BUILDER BEFORE COMMENCING WITH WORK
 - 2 FOR GENERAL NOTES AND DRAWING SCHEDULE REFER TO DRAWING NUMBER S01



SECTION 1
SCALE = 1:20
S02



SECTION 2
SCALE = 1:20
S02

Registered Professional Engineer 691550
Mr Peter Crozier
 MIEAust CPEng (Civil / Geotechnical) N P E R
 Signature: *Peter Crozier* Date: 31/7/08
 Registered on the NPQR in the area of practice of
Civil / Geotechnical
 National Professional Engineers Register

Date	Rev	Amendment	Checked

Date	Design	Drawn	Checked
JUNE 2008	BS	MC	

Job No: **080445** Drawing No: **S03**
 Rev: -

A3

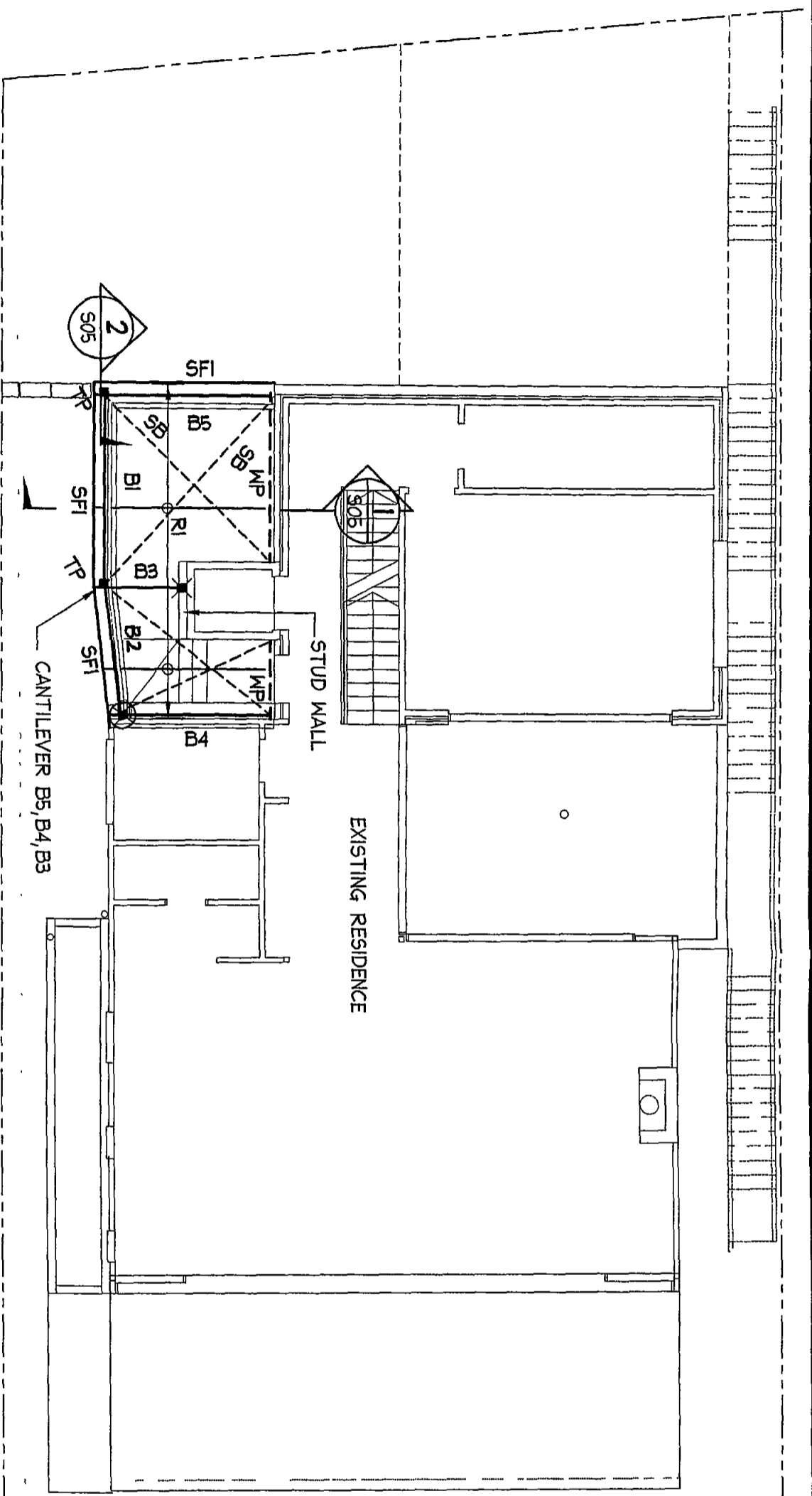
DOCUMENT CERTIFICATION

I am a qualified Structural/Civil Engineer
 I hold the following qualifications
B E (Civil) MIEAust, P Eng
 Institute of Engineers Membership No 194677
 I hereby state that this drawing is in compliance
 with the provisions of the Building Code of
 Australia and/or relevant Australian/Industry
 Standards
 Date: **1/7/08**
 Signature: *Stewart McGeachy*
Stewart McGeachy
 (Director Northern Beaches Consulting Engineers)

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Proposed:
PROPOSED ALTERATIONS
 at **24 BUNGAN HEAD RD**
NEWPORT
 for **Andrew Walsh**

Drawing Title:
LEVEL 3
SECTIONS & DETAILS



- NOTES**
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LEVEL 4 - ROOF FRAMING PLAN

SCALE = 1 : 100

MEMBER SCHEDULE

- R1 - 190x45 F7 KD - RAFTERS AT 600 CTS
- B1 - 200x63 HYPAN LVL - ROOF BEAM or 190x70 F17 HMD
- B2-B5 - 190x70 F7 KD - ROOF BEAMS
- MP - 190x45 F7 KD - WALL PLATE
- M12 EPOXY SET ANCHORS AT 600 CTS STAGGERED VERTICALLY
- SF1 - 240x45 F7 KD - STRUCTURAL FASCIA
- SB - GALVANISED STRAP BRACING OVER RAFTERS
- TP - 150x150 - TIMBER POST

- ⊗ DENOTES 100mm BEARING ONTO BRICKWORK & TIE DOWN STRAP EMBEDDED MIN 12 C/S DOWN
- ⊗ DENOTES LOAD CONCENTRATION POINT
- ⊗ DENOTES DOUBLE STUD & TIE DOWN

ALL EXPOSED TIMBER TO BE H3 TREATED OR NATURAL DURABILITY CLASS 2

DOCUMENT CERTIFICATION

Date 1/7/08

Stewart McGeachy
 (Director Northern Beaches Consulting Engineers)

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Project
PROPOSED ALTERATIONS
at 24 BUNGAN HEAD RD
NEWPORT
 for Andrew Walsh

Drawing Title
LEVEL 4
ROOF FRAMING

Date	Design	Drawn	Checked
JUNE 2008	BS	MC	

Job No
080445

Drawing No
S04

Rev
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