

Civic Approvals Level 5, 41-45 Rickard Rd Bankstewn NSW lex & Bankstewn 1865

Development & Certification Services

Civic Roads 1 Anzac Street, Greenacre

Read & Drainage Construction & Maintenance

Civic Parks & Building Services 242 Bransgreve Read, Panania

Grass Cutting, Parks and ardens, Bush Regeneration, Building Maintenance and Sign Writing

Civic Enviro-Mech Services 1 Anzac Street, Greenacre

Garbage Collection, Street Cleaning, Building Cleaning, Mechanical Services

Professional Civic Design Services Level 5, 41-45 Rickard Rd, Bankstewn NSW PO Box & Bankstewn 1885

Civil Engineering and Design

Civic Information Services 62 The Mall, Bankstown

Printing, Records Management, & Library Services 28 September 2007

General Manager Pittwater Council P O Box 882 **MONA VALE NSW 1660**

Dear Sir / Madam,

APPLICATION NUMBER ECC-8/2007 PROPOSAL Alterations and additions to existing dwelling **PROPERTY** , No 86A Gladstone Street, Newport (Lot A DP 402745)

In reference to the above development I enclose all documentation relting to the registration of the Construction Certificate together with a cheque totalling \$30 00 being the applicable registration fee

If you have any enquiries, please contact Matthew Woodgate in Civic Approvals on 0408 697 949

Yours faithfully,

Matthew Woodgate

Accredited Certifier/ Principal Certyfying Authority

Building Professionals Board

0446

KH 275615 3.10.07.

LETTER

Providing Leading Edge Services To Owners & Managers Of Community Assets

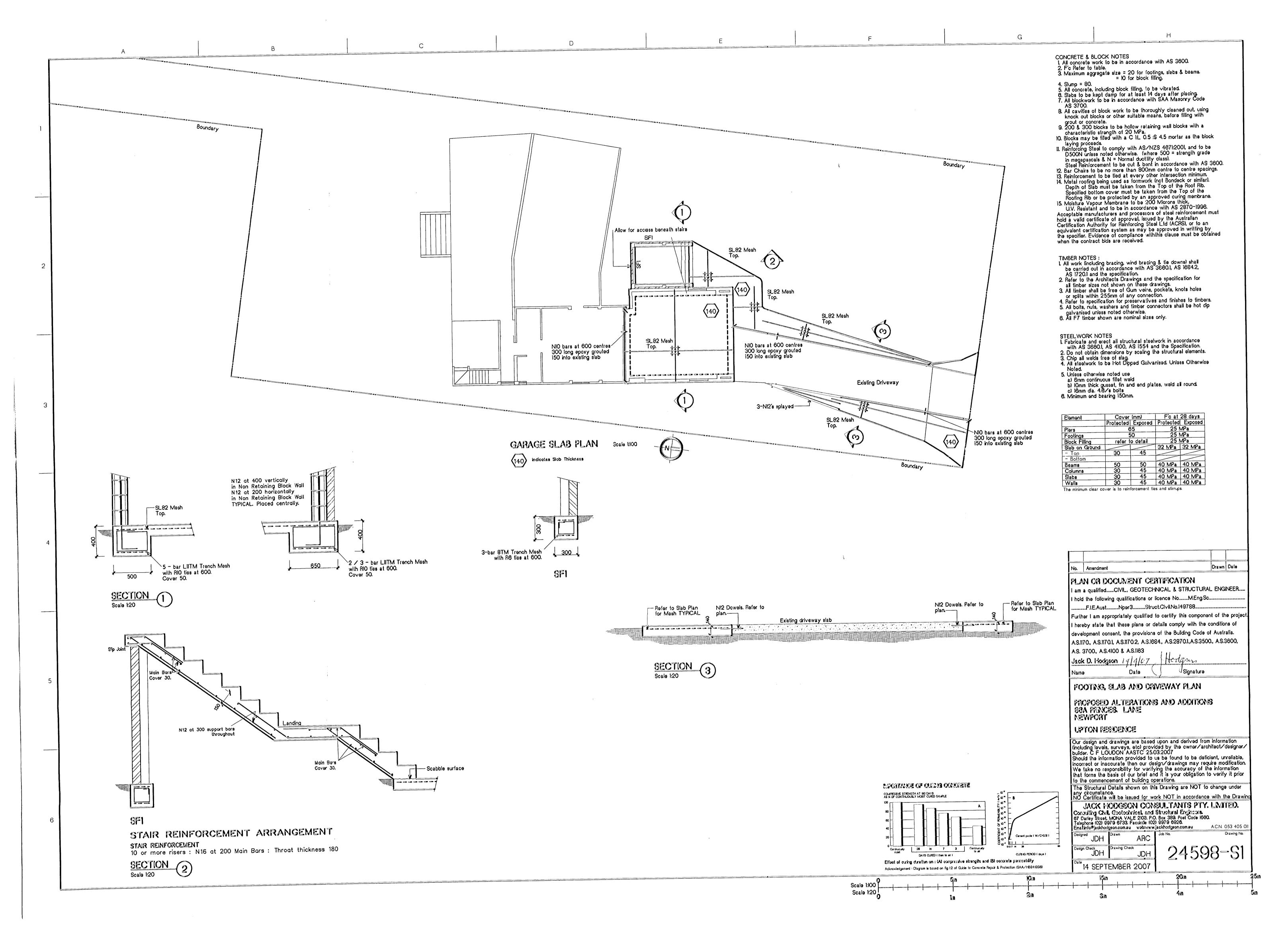


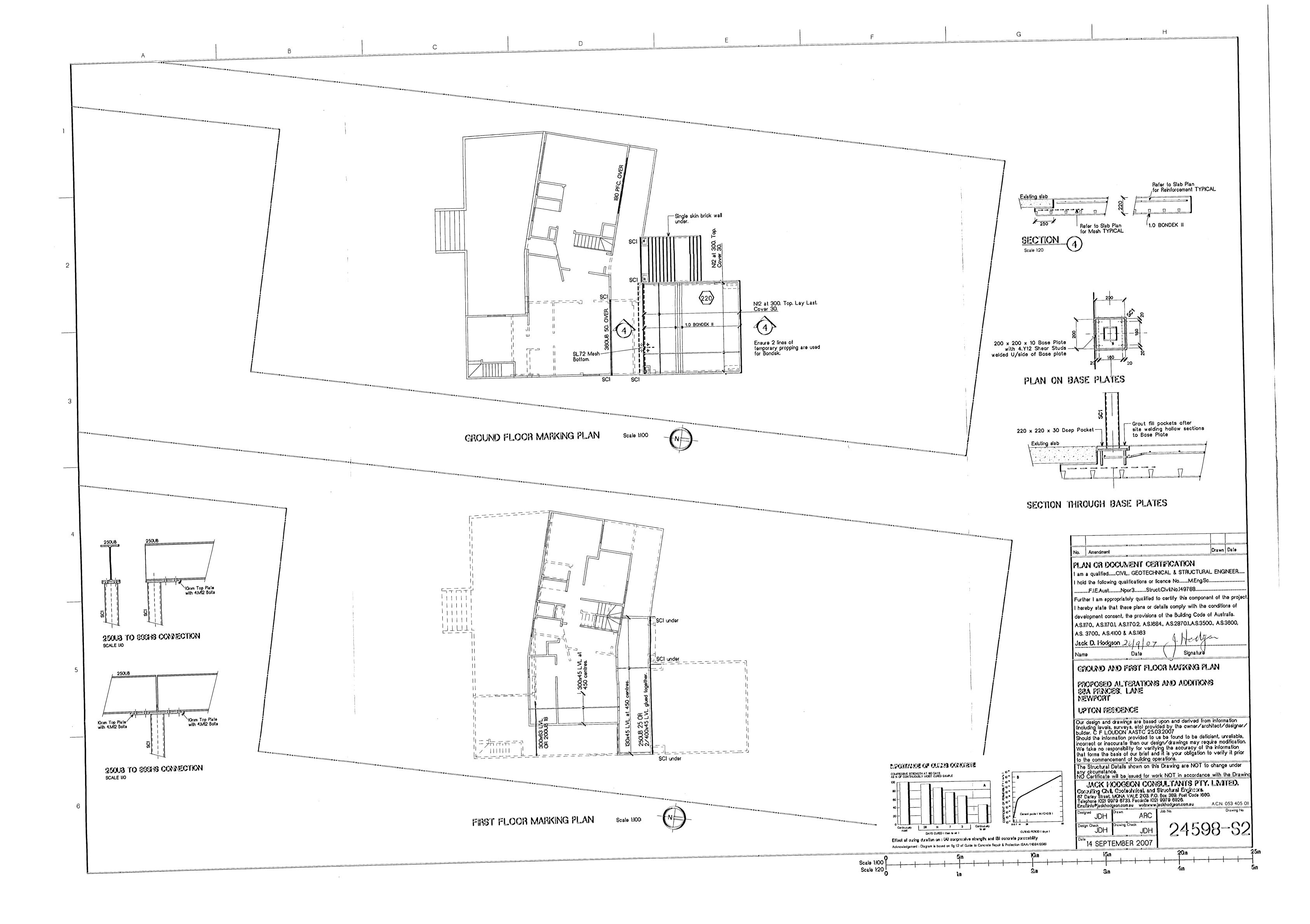
Construction Certificate

No ECC-8/2007

Issued under sections 81A and 109C Environmental Planning and Assessment Act 1979

	APPLICATION
Applicant Name Address	Greg Upton and Anita Upton 86A Gladstone St NEWPORT NSW 2106
Subject Land Address Lot No, DP	No 86A Gladstone Street, Newport (Lot A DP 402745)
Description of Development Type of Work Description	Building Work Alterations and additions to existing dwelling
Development Consent Development Consent No Date of Determination	DA No177/07 10 July 2007
Classification of Building Building Code of Australia	1a
Date of Receipt	2 August 2007
	DETERMINATION
Determination	Approved
Date of Determination	28 September 2007
Plans and Specifications List Plan No(s) and Specifications Reference	 Architectural Plans, Drawing No 6/07, Sheets 1 to 6, prepared by Cliff Loudon, dated 25 March 2007 Specification
Attachments	Structural engineers details, drawing No 24598 - S-1 and S-2, prepared by Jack Hodgson Consultants Pty Ltd
Right of Appeal	Under section 109K where the certifying authority is a council an applicant may appeal to the Land and Environment Court against the refusal to issue a construction certificate within 12 months from the date of the decision
	CERTIFICATE
Certificate	Work completed in accordance with documentation accompanying the application for the certificate (with such modifications verified by the certifying authority as may be shown on that documentation) will comply with the requirements of this Regulation as are referred to in section 81A (5) of the Act
Certifying Authority Name	Matthew Woodgate 0446
Signature	Building Professionals Board
Date of Certificate	1. May H
Civic Approvals PO Box 8, Bankstown NSW 1885 Ph 9707 9400 Fax 9707 9632	* prior to commencement of work sections 81A (2) (b) and (c) and/or 81A (4) (b) and (c) of the Environmental Planning and Assessment Act 1979 must be satisfied (see Notice of Commencement of Building or Subdivision Work and Appointment of Principal Certifying Authority)





1 1

RESIDENTIAL CONSTRUCTION SPECIFICATION

WHEN USED FOR EXTENSIONS, ADDITIONS, ETC., ANY PART THAT IS NOT APPLICABLE IS TO BE DISREGARDED

TRUELINE SPECIFICATION

PROJECT			

DA No.	*	•	1 (ma) 1
CC No.	,,,,)	1 1

COPYRIGHT
TRUELINE PRINTING AND GRAPHICS
www truelineprinting com

DISCLAIMER

The terms and conditions set out in this specification may not be suitable for every project

The Trueline Specifications of Standards
Co does not make any representation
as to suitability of these specifications
for any particular project

Users of these specifications must make their own assessment (or seek professional advice) as to the suitability of these specifications in relation to the particular project

As legislation and standards affecting building construction may change from time to time, users of these specifications should satisfy themselves as to suitability of these specifications at any point in time Note If this document is to form part of a building contract, it is necessary to complete the Specification in full

Squares must be ticked and any section deemed not suitable is to be crossed out

SPECIFICATION FOR THE COMPLETION OF

ERECTION AND COMPLETION OF A

LOT NUMBER

STREET NUMBER

STREET

SUBURB/TOWN

MUNICIPALITY/SHIRE OF

FOR MR MRS Ms

Herein after called the owner

THE CONTRACTOR MUST ENSURE THE WHOLE WORKS AND SERVICES ARE PERFORMED IN ACCORDANCE WITH THIS SPECIFICATION AND DRAWINGS AND COMPLETED IN WHOLE IN A TRUE WORKMANLIKE MANNER

BUILDER

ADDRESS

LICENCE NUMBER

EXPIRY DATE

BUILDERS ABN

INSURANCE DETAILS

GENERALLY

PROVIDE Means the supply and complete building in of specified materials fittings, etc
APPROVED Means approved by the owner L C APPROVED means approved by the local council
REGULATIONS AND NOTICES All State and Local Government Building Ordinances and Amendments thereto and requirements of legally Constituted Authorities and the Building Code of Australia and Australian Standards must be complied with by the builder The Builder to give all notices and obtains all permits
INSURANCE The Owner Builder must effect the insurance of all works against fire and storm. The Builder shall at his own expense adequately insure against Public Risk and to insure as required under terms of the appropriate Workers Compensation and Employers Liability Acts. and Home Warranty Insurance.
LABOUR AND MATERIALS All labour material, fittings and plant required to construct and complete the building is to be provided by the builder Materials are to be new and of the standard specified Faulty or unsuitable material not to be used All work to be performed in a good worklike manner
SETTING OUT The Builder is to ensure the building is set out in accordance with the site plan and within the boundaries of the site
TEMPORARY TOILET Owner Builder shall provide temporary toilet accommodation for the workmen Where the Authority requires the temporary toilet to be connected to sewer mains the additional cost plus Builders margin shall be bourne by the Owner
ELECTRICITY The Builder is to make arrangements for any electrical power to be used in the erection of the works and is to pay fees and costs incurred therein. Should Additional poles, wiring service risers or underground wiring etc. be required by the Electricity Supply Authority, this additional cost plus Builders margin shall be bourne by the Owner.
WATER Owner Builder allow for connecting water to the proposed building and fittings
PLANS AND SPECIFICATIONS Any work indicated on the plan but not in the specification or vice versa and any item not shown in either plan or specification but which is obviously necessary as part of proper construction and/or specifications may not be made without written consent of the owner
PLANS OF THE JOB A legible copy of the plans and specifications bearing the approval of the Municipal Authority concerned must be maintained by the Builder at all times
RESPONSIBILTIES It is the responsibility of the Builder/end user to verify plans and Specifications as to their accuracy and suitability
VARIATIONS Any variations to specifications are to be added in the addenda at the back of the specification
SITE SIGN Owner Builder to supply site sign showing Lot No name of Builder and Licensee and full License No and any other detail that may be required by the Local Authorities
EXCAVATOR
SITE Owner Builder to clear the site of all stumps roots etc grubbed to a minimum distance of 3m outside the building line or to the boundaries of the allotment whichever is the less or to Local Authority regulations. Any depressions within the area covered by the building are to be filled
TRENCHES All footings for walls, piers etc to be excavated to a minimum depth of 500mm or to a depth necessary to secure solid bottoms and even bearings throughout bottoms to be level and stepped as necessary At completion of foundations walls etc all excavations are to be filled well rammed to ground level and surplus soil spread
ROCK OR SHALE Excavation in rock or shale and removal from the site by \Box Owner \Box Builder at additional cost
ACCESS Owner Builder to provide all weather access to site

CONCRETOR

CONCRETE IS TO CONSIST OF

4 parts 20mm gauge blue metal or other approved aggregate 2 parts clean sharp sand 1 part fresh cement, a sufficiency of water, all well mixed mechanically and placed in position immediately after mixing. The slump of the concrete is not to exceed 100mm. Ready mixed concrete to have a minimum compressive strength of 20Mpa tested in accordance with code AS 3600. Concrete Structures. After pouring the concrete is to be maintained in accordance with the standard before being built on all subject to engineering specifications. NOTE. It is necessary to complete Specification in full.

FOUNDATIONS

REINFORCED CONCRETE FOUNDATIONS

Provide reinforced concrete footings to AS 2870 and to Local Council's requirements or engineers design if applicable

PIER AND BEAM FOOTINGS

Piers shall be solid concrete as designed by structural engineers taken to uniform bearing approved by supervising engineer. Beams shall be reinforced concrete having even bearing on piers as designed by structural engineer.

CONCRETE FLOORS Provide suspended concrete floors if shown on drawings LC approved metal formwork may be used to manufacturers recommendations, solid filling may be used for laundry/garage adjoining building top of slab to be not less than 50mm below antcap/dampcourse level and have a continuous support on a minimum of 75mm on at least two opposite sides

TABLE FOR SUSPENDED CONCRETE SLABS

<u>Guide Only</u> Engineering details may be required and are to take precedence. All measurements in mm. Y = Structural Grade Deformed Bar. Int = Internal. Ext = External.

Clear	20	MPs	REINF	ORCEM	IENT					
Span	Slab		Bars to AS 4671							
Between	Thick	เทอรร	Fabric	to AS	Main i	Bars	~	Tie Ba	ırs	
Supports	i ~		4671	·	Size		cing	Size	Spac	ing
Up to	Int	Ext	Int	Ext	*	Int	Ext	*	Int	Ext
2000	100	100	F72	F82	Y12	280	220	Y12	400	400
2500	100	110	F82	F102	Y12	220	240	Y12	400	400
3000	110	130	F92	F81	Y12	160	100	Y12	400	300
3500	130	150	F102	F81	Y12	140	100	Y12	300	280
4000	150	180	F81	F918	Y12	100	90	Y12	280	240
4500	170	-	F81	-	Y12	100	-	Y12	260	-

This table to apply to single spans, simply supported one way non-wall bearing slabs. Main bar reinforcements to be set 20mm from bottom and edges of slab and run from support to support. Minimum 50mm bearing of reinforcement over supports with the bars on top edge of slab and to have 30mm cover to reinforcement if exposed to weather. The main bars shall be laid in direction of shorter span. For fabric reinforcements with different bar spacing closer bars are the main bars. For the purpose of shrinkage control, add top layer of F72 mesh for spans to 3m and F82 mesh for spans to 3 9m. Durability requirements in above ground exterior concrete to be 40MPA to 1km from coastline and 32MPA 1 km to 50km from coastline. Provide slip joints between concrete and supporting walls. All wall bearing or larger slabs must be designed by a structural engineer.

☐ SLAB ON GROUND Provide 100mm minimum thick concrete slab reinforced with F72 (AS 4671) set 30mm from top of concrete on a foundation of a minimum of 50mm of sand with a 200 uni polythene membrane between lapped 150mm and turned up Maintain a minimum of 100mm bearing surface all round
PATHS Builder Owner to provide paths of concrete as previously specified, from front entry step and as shown on plans car tracks to be 100mm thick and paths 75mm thick. Finished thickness including provision of two parts metal screening to one part cement dusted over surface and trowelled all in one operation or, alternatively rendered while concrete is green. Paving to be laid with bituminous felt jointing strips not more than 1 2m apart, and to full thickness of concrete and rendering to be. V' jointed over same. Excavate for and lay paths.
to even grade true to line and curve

PEST CONTROL The underslab area shall be treated against termite infestation in accordance with AS 3660 unless relevant authority regulations prohibit any such treatment. The perimeter is to be treated in accordance with AS 3660. All treatments are to be carried out by licensed contractor, with owner to be supplied with applicable certificates. A durable notice is to located in a prominent position showing method, date type of barrier and life expectancy and any other detail that may be required by Local Authorities.

BRICKLAYER

BRICKLAYER General AS3700 AS1619 AS2350
☐ CLAY BRICKS To be sound hard of well burnt clay and shale and comply with AS 1617
☐ CONCRETE BLOCKS OR BRICKS To comply with AS 4455
☐ Stonework ☐ Texture Bricks ☐ Face Bricks ☐ Concrete Blocks or Bricks ☐ Calcium Silicate Bricks to be used for Dwarf Walls Common bricks may be used for all other work
SAND To be clean sharp and free from all impurities
MORTAR and JOINING AS 3700

CEMENT MORTAR To be one part fresh cement to three parts sand

LIME MORTAR To be one part lime to 3 parts sand Lime to be well slaked before use

COMPO MORTAR To be one part cement one part lime and 6 parts sand. All bricks to be well wetted before use This is not to apply to texture bricks. Footing courses to be grouted solid with cement mortar. All brickwork to be properly bonded, laid on full bed and all perpends filled. All piers are to be built solid and each course grouted as work proceeds. Carry up all work true and plumb to even gauge and in level courses the full height and thickness required. The face brickwork above damp course level to be finished with neatly ironed or raked joints. Beds and joints to be kept to a reasonable thickness. Finish all other exposed brickwork with neat struck joints.

BUILD THE FOLLOWING IN CEMENT MORTAR All brickwork to underside of floor bearers level All 110mm thick brickwork All copings steps brick balustrade walls sills piers wing walls retaining walls. Brick Fences on alignment and/or brickwork under timber fencing also concrete blocks or bricks

BUILD IN COMPO MORTAR All other brickwork including concrete masonry

VENEER WALLS To be 110mm Brickwork built in Compo Mortar on foundation walls as previously specified Internal faces to be a minimum 25mm from timber frames. Build in 3mm galvanised wall ties opposite each alternate stud. Four courses above level of bottom plate, then every fourth course and spaced not more than 460mm horizontally and 610 vertically. Ties to be left open for attachment to studs. A cavity space of between 25mm and 50mm must be maintained throughout. Cavities and weep holes to be clean and clear at a damp course level. All mortar droppings to be caught on paper or other material and removed before internal linings are fixed. Mortar joints on inside faces of walls to be flush with brickwork.

SPECIAL WALLS (If shown on plan) Walling not of timber, Veneer-on-Timber or Masonry to be constructed as per Structural Engineers Details and Certificate

SILLS To be brick on edge unless stated otherwise

SLEEPER PIERS Provide brick, solid filled concrete masonry units or concrete to a minimum of 200 x 200mm up to 1 3m high spaced not more than 1 8 centres. If pier exceeds 1 3m increase by 50mm all round. All piers to have concrete pads under as per table below.

SUPPORTED	WIDTH OF SQUARE	DIAMETER OF	THICKNESS
AREA (m²)	PAD (mm)	CIRCULAR PAD (mm)	(mm)
10	400	500	200
20	500	600	200
40	600	750	250
i			1

ENGAGED PIERS To be minimum of 200 x 90 mm spaced at not more than 1 8m centres to support floor bearers, and at similar centres to stiffen walls supporting concrete slabs. Ties to brick wall every 4^{th} course with approved ties

ACCESS Adequate access in the external foundation wall must be provided under all floors - AS 366O

VENTILATION Sub floor to be ventilated and cross ventilated by means of evenly distributed openings in the external walls having an unobstructed area of not less than 2100mm per square m of external wall and not less than 200mm in depth in every part. Vents to be immediately below bearers and similarly provide vents under verandah floors and suspended floor slabs. Sufficient cross ventilation to be provided through all still air. Room ventilation above floor must be provided in accordance with Good Building Practice. Appropriate special provision to be made where a gas appliance is installed. Ventilation may be varied by Local Council.

CORBAL COURSES Concrete floors to be supported by corbal courses as required

DAMP COURSE Provide a continuous run of L C approved dampcourse material to full width of wall thickness on all brickwork at level not higher than bottom of floor bearers and engaged piers. Damp course material is to be run in long lengths, lapped minimum 100m at joints and full width at all intersections. To walls surrounding concrete and/or solid floors an additional run of dampcourse is to be laid, one full course above floor level and stepped down to meet lower dampcourse.

ANT CAPS AS 3600 To all brickwork and piers at the level of underside of floorbearers ant capping of 0 5mm gauge Zincalume or other approved metal is to be set projecting 38mm beyond the internal faces of all brickwork and turned down at a 45 degree angle, lapped 13m, sealed and/ or crimped at all joints and corners so as to provide a continuous and effective barrier against termites throughout the length of the material

VERMIN PROOFING 13mm mesh galvanised bird wire to be built into brickwork and taken across cavity and secured to bottom plate

FLASHINGS L C approved dampcourse material to be built in under all window sills 25mm at back of wood sill and 50mm at each end of same. Flashing to be bent down across cavity and built 25mm into veneer wall. L C approved dampcourse material to be built in over all exposed window and external door openings, also as required in all. wet areas to L C satisfaction.

WEEP HOLES Perpend joints are to be left open in extended brick walls spaced approx 600mm immediately over flashings of all exposed openings and to brick retaining walls fender walls etc as required

STEPS As shown on plan in bricks to match other exposed brickwork. To be built in solid work or where side walls are provided on consolidated filing. Treads are to be brick on edge, or precast concrete units with a minimum of 255mm and maximum of 396mm width and a maximum of 190mm and minimum of 115mm rises.

ARCH BARS AS 1170 AS 3700 Brickwork over openings to be supported on Ingal" specific made arch bars or equivalent galvanised to AS 1650, and have minimum bearing of 150mm each end

Spans to 1100mm = one 85mm flat bar
Spans from 1100mm to 1800mm = one 100mm x 100mm Lintel
Spans from 1800mm to 3 0m = one 150mm x 100mm Lintel
For spans over 3 0m refer to structural engineer

□ FIREPLACE AND CHIMNEY Reinforced concrete or bricks in cement mortar footings 100mm wider all round than construction to be provided. Build 100m brick walls and/or corbel courses to support hearth. Non combustible material to be used for upper surface of hearth with a minimum thickness of 155mm and shall extend not less than 300mm beyond the front of the fireplace opening and not less than 150mm beyond each side of the opening. Local council may vary this requirement. Upper surfaces of hearth not to slope away from grate. Provide fireplace and chimney in position as shown and to the dimensions on plan. Mild steel bars or angles of suitable sizes and with a 110mm bearing at each end to support work over openings. Up to the level of 300mm above the underside of the arch or lintel the back and sides of the fireplace to be constructed in two separate sections of solid masonry minimum 190mm thick not including cavity. Concrete masonry not permitted in construction of inner section balance of walling to be minimum 90mm thick. Flue to be rendered minimum 12mm thick. Mix 1 cement, 2 lime 10 sand or L C approval material. Chimney stack is to be not less than the height of the main roof ridge and is to be built in compo mortar. The flue is to be 220 x 220mm or one-tenth of the area of the fireplace opening whichever is the greater gathered over to break daylight and pargetted to the full height. A 6mm Zincalume tray, in one piece, holed for the flue is to be set at level of one course above roof covering on the low side of the roof. The

internal edges are to be shaped to form a quadrant gutter 25mm wide, sealed at corners. The tray is to project a minimum of 25mm beyond the external faces of brickwork turned up and/or down as required. Where the tray is turned up a clearance of at least 6mm is to be maintained between the brickwork and the tray. Provide weep holes by leaving open vertical joints in brickwork above tray. Rake joints in brickwork ready to receive flashing to be provided by plumber. A loose brick must be left in the back of the chimney stack. This brick must not be set until after that tray has been cleared of all mortar droppings.

FOUNDATION DOOR Provide access door where applicable approximately 600mm wide and fitted with appropriate hinges and lock

STEEL WORKER

Provide steel work in accordance with Engineers details or as shown on plan. If wrought iron is shown on plan, provide same

METAL FRAMING

METAL FRAMING Provide and erect framing to A S 3623 or engineers detail as shown on plan in accordance with manufacturers recommendations and instructions. Damp proofing (flashing) to be provided between concrete floors and bottom plate and any adjoining masonry walls etc in accordance with AS 2904. If this section is applicable, any section in this specification which duplicates any of this work is to be disregarded.

CARPENTER

GENERALLY Timber shall comply with AS1720 AS 1684 and be part of the class specified reasonably straight grained and free from those defects which might effect its durability and/or strength. Scantlings to be in long lengths accurately cut and fitted well spiked and securely fixed. For the exercise of this specification (unless specifically stated otherwise) hardwood is to be of a stress grade and not less than F8 and softwood not less than F5. Timber shall be graded to appropriate AS grading specification. Mechanical grading to AS1748, visual grading will require evidence that they comply with the required stress grade. Allowable tolerances as to size is permitted only as outlined by the appropriate AS. Timber is **NOT** to be weakened by any method such as cutting, planing chipping etc. Where size of timber is restricted owing to lack of space, a higher grade or laminated timber may be substituted if warranted, all only as approved by Local Council.

FLOOR FRAMING All floors shown on plan as timber are to be framed at level shown with suitable timber as laid down in AS1684 Bearers to be laid true and level Packing not permitted Provide 100 x 50mm or 125 x 75mm bearers, set on edge as already specified at max 1 8m centres Provide 100 x 50mm joists set on edge at a maximum 450mm centres and fix bearers by double nailing at each crossing. Underside of joists to be checked out as necessary over bearers to enable tops of joists to be finished true and level. Unsupported spans exceeding 2 7m to have 50 x 50 herringbone strutting or solid blocking spaced at maximum of 1 8m centres. No span to exceed 4 8m (Timber walls must have double joists under)

WOOD PRESERVATIVE All hardwood plated bearers and joists (if timber construction) in ground floor are to treated with one coat of pest resisting and wood preserving oil (Specification No AS1604) or approved chemical treatment before fixing on all faces and ends, except tops of joists

WALLS To be framed with ☐ Hardwood ☐ Oregon ☐ Pine

WALL PLATES (and Bottom) For 100 mm studs $-100 \times 50 \text{mm}$ for 75 mm studs $-75 \times 50 \text{mm}$ Plates may be checked approx 10 mm to provide uniform thickness where studs occur. Where plates are machined to a uniform thickness checking may be omitted

STUDS AS 1684 (not more than 3m long) Wall, external and internal

MAXIMUM 3M LONG	UPPER STOREY	LOWER STOREY
At 450mm centres	100 x 38mm or 75 x 50mm	N/A
Each side of openings up to 1 8m wide	100 x 50mm or 75 x 50mm	N/A
Other openings up to 3 6m	100 x 75mm or 75 x 75mm	N/A
Over 3 6m	100 x 100mm	N/A

Three studs are to be provided at each wall angle and intersection well blocked and securely fastened together. Two studs may be accepted in brick veneer construction. With corner windows, the angle studs are to be cut away.

to suit frame 100 x 100mm or 75 x 75mm posts ate to be framed in corner mullions of windows or galvanised pipe may be used

TIMBER ROOF TRUSSES To be properly fabricated to manufacturers certified detail or Engineers detail and fixed in strict accordance with their drawings or instructions. Bottom chord to be clear of internal walls with a minimum clearance of 13mm at the point of maximum deflection after loading. Self adjusting fasteners to be used to fix truss chord to top plate.

HEADS Where supporting Roof Trusses at 900mm centres (To be checked into studs)

	FOR TILED ROOF CONSTRUCTION			FOR SHEET ROO (Metal of Fibre Cer	•	N
SPAN	6000mm	7500mm	9000mm	6000mm	7500mm	9000mm
Up to						
1200	125x50 or 150x38	150x50 or 175x38	150x50 or 175x38	100x50	125x50 or 100x75	125x50 or 100x75
1500	175x150 or 150x75	175x50 or 150x75	200x50 or 175x75	125x50 or 100x100	150x50 or 125x75	150x50 or 125x75
1800	200x50 or 175x75	225x50 or 200x75	225x50 or 200x75	150x50	175x50 or 150x75	175 x50 or 150x75
2100	225x50 or 200x75	250x50 or 225x75	250x75	175x50 or 150x75	200x50 or 175x75	200x50 or 175x75
2400	250x50	250x75	300x50	200x50 or 175x75	225x50 or 200x75	250x50 or 200x75
2700	300x50	300x50	300x75	225x50 or 200x75	250x50 or225x75	300x50 or 225x75
3000	300x75			250 x 50 or 225x75	300x50 or 250x75	300x75 or 250x75

HEADS Where supporting conventional roof construction (To be checked into studs)

SPAN	FOR TILED ROOF CONSTRUCTION	FOR SHEET ROOF CONSTRUCTION (Metal or fibre cement)
1 2m	75x75mm or 100x38mm	50x75mm
1 5m	125x50mm or 100x100mm	100x38mm
1 8m	175x50mm or 150x75mm	125x50mm or 100x100mm
2 1m	200x50mm or 175x75mm	150x50mm or 125x100mm
2 4m	225x50mm or 200x75mm	175x50mm or 150x75mm
2 7m	250x50mm or 225x75mm	200x50mm or 175x75mm
3 0m	250x75mm or 300x50mm	225x50mm or 200x75mm

Timber grading Hardwood AS 2082 Oregon or Pine AS 4785 Where depth exceeds 150mm timber is to be seasoned having a maximum moisture content of 18%

BRACING AS 1684 As appropriate for wind velocity for buildings type "A and or B to be evenly distributed throughout For wind speeds exceeding AS1684 frame and bracing to be designed by Structural Engineer

NOGGING (BRIDGING) To be fixed between studs at 1 35m maximum height, where wall cladding is joined 38mm thick. Where not joined 25mm thick and finished not more than 7mm behind the face of the frame. Skirting blocks of the same section as bottom plates and not less than 225mm long to be spiked to plates. Skirting blocks not required if wall linings extend below the top of the bottom plate and skirtings are less than 75mm high.

ROOFS To be framed with ☐ Hardwood ☐ Oregon ☐ Pine	Length of rafters to longest ridge is to be gauged to
suit full tile courses	

CEILING JOISTS To be of dimensions $100 \times 38 \text{mm}$ Hardwood $100 \times 50 \text{mm}$ Oregon at maximum 450 mm centres. Fix trimmers to ceiling joists where required at 450 mm centres. Where two lengths of joists are used they are to be lapped and well spiked over partition walls. All to be dogged to hangers. Ceiling joists where practicable are to be at right angles to ridge.

HANGERS To be provided so that the unsupported length of ceiling joists does not exceed 2 1m double nailed to each ceiling joists and secured to side of rafters wherever practicable. Where the length of hanger exceeds 4 8m the hanger is to be supported by a beam as for Strutting Beams and the size of hanger is to be governed by the new span (Roof not to be strutted off hangers or beam supporting hanger)

STRUTS Strutting from ceiling joists or hangers over room not permitted. Struts must be seated on or directly above walls. Size to be 75 x 75mm up to a length of 2 1m centres under purlins. Where strutting beams are required, they are to be packed up from the walls and be 13mm above level of ceiling joists, also must not be used as hangers for ceiling joist, or to support hangers.

COLLAR TIES Up to 4 2m span - 75 x 50mm Hardwood or 100 x 50 mm pine Over 4 2m span - 100 x 50mm Hardwood or 125 x 50mm pine Fixed to alternate pair of rafters

GUTTERS AND VALLEY BOARDS 19mm thick and width of gutter

MANHOLE Trim as required between ceiling joists for manhole 600 x 400mm line the opening and provide suitable cover

HOT WATER TANK Provide hot water storage tank (AS 3498)

FLOOR FRAMING \square

PORCH ROOF To be constructed when shown on plan Post D A R pipe or wrought iron securely fixed top and bottom 75 x 50mm Top Plates – D A R if exposed 75 x 50mm Rafters spaced at maximum of 450mm centres A fall of at least 13mm in 300mm must be maintained towards outer edge Roof to be covered as per drawing Fix 25mm facia all round

GABLES (If shown on drawing) Form and project plates, purlins, ridges etc. Supply and fit 159 x 19mm barge boards with fillet at top-scribed up to tiling or capped with asbestos cement to allow for verge tiles to be pointed with mortar or formed metal fascia to manufacturers specifications. Cover gable faces with siding as shown on drawing. Line soffits as for eaves

EAVES Project rafters at eaves to give soffit as shown on plan and fix facia all round out of 25 approved product	mm timber or other
☐ Line underside of rafters with 4 5mm fibre cement cover joints and provide quadrant moulding	ng against wall,
\Box Form flat soffit with 4 5mm cement let into a full 7mm groove at back of facia and secured at battens nailed to framing and supported at all joints and intermediately with 38 x 38mm sproked 450mm centres. Cover joints with approved strips and provide quadrant moulding against wall	ts at maximum of
☐ SHEET FLOORING To be fixed in strict accordance with manufacturers recommendations a 1860	and AS 1859 AS
□ FLOORING, TIMBER Must not be fixed until roofing complete and building weatherproof T seasoned to a moisture content between 10% and 15% Flooring is to be tightly cramped ever each bearing with nails, punched below the surface, thoroughly cleaned and flushed off at combe T & G with a finished thickness not less than 19mm Flooring exceeding 43mm face wide to all bearing points	ry board nailed at pletion Floor must
TIMBER FLOOR SANDING Floor to be sanded to even surface	
☐ TIMBER DECKING To be ☐ Hardwood ☐ Treated pine ☐ Other to joists using corrosion proof fasteners	To be securely fixed
☐ COMPRESSED FIBRE CEMENT Not less than 18mm for joists spacing 600mm or 15mm f 450mm. All installed as per manufacturers instructions	for joists spacing

BEARERS	(Over 2 or more spans)		
At 1 8m centres set on edge	Non load bearing & sheet roofing	100x75mm	125x75mm
	Supporting tile roof or trusses	125x75mm	125×75mm
JOISTS			
Ground and upper floors	Up יט 1 8m	100x50mr1	เ50x57mir
At 450mm centres	18 to 24m	125x50mm	175ง50 ก.ก
	2 4 to 3 0m	150x50mm	200x50mni
	30 to 36-1	175x50mm	250×50ฑก
	36 m 4 2m	225x50mm	275x50mm
	4 2 to 4 8m	250x50mm	300x50mm

An engineers certificate is required as to size and adequacy for spans over 4 0m Unsupported spans exceeding 2 7m to have 38x38mm herringbone strutting or solid blocking 1 8m centres as per AS 1684 1992

PITCHED ROOF	SPACING	HARDWOOD	OREGON OR PINE
RAFTERS Tile roofing	At 450mm centres	100x38mm	100x50mm
C	Up to 600mm centres	100x38mm	100x50mm
Corrugated Fibre Cement Roofing	At 600mm centres	100x38mm	100x50mm
Corrugated metal roofing	At 900mm centres	100x38mm	100x50mm
BATTENS Tiled roofing		38x25mm	38x25mm
Rafters at 450mm centres	Spaced to suit full tiles	38x38mm	38x38mm
Rafters at 600mm centres	Spaced to suit full tiles	38x38mm	38x38mm
Corrugated Fibre Cement Roofing	opaced to sait rail tiles	75x32mm	75x38mm
Corrugated Metal Roofing	900 mm centres	75x32mm	75x38mm
RIDGES and HIPS all roofs	900 mm centres	150x25mm	150x25mm
		150x25mm	150x25mm 150x38mm
VALLEYS all roofs	0.4		r .
PURLINS tile roofs	2 1m centres	100x75mm	100x75mm
Metal or Fibre cement roofs	2 1m centres	100x75mm	100x75mm
STRUTS maximum 2 1m	2 1m centres	100x50mm	75x75mm
COLLAR TIES to 4 2m	every alternate pair of rafters	75x50mm	100x50mm
Over 4 2m	every alternate pair of rafters	75x50mm	125x50mm
STRUTTING BEAMS spaced at 2 4m as required	span to 2 0m	100x50mm	125x75mm
Not to be used as hangers for ceiling joists	2 0m to 2 4m	150x50mm	150x75mm
	2 4m to 3 0m	175x50mm	175x75mm
	3 0m to 3 6m	200x50mm	200x75mm
GUTTER and VALLEY BOARDS	min thickness	20mm	
CEILING JOISTS	450mm centres	100x38mm	100x50mm
	600mm centres	100x38mm	100x50mm
HANGERS	2 1 centres	100000111111	1001100111111
TH WOLLO	2 1m to 3 0m	175x38mm	200x38mm
	3 0m to 3 6m	200x38mm	225x38mm
	3 6m to 4 2m	225x38mm	250x38mm
	4 2m to 4 8m	250x38mm	275x38mm
	4 2111 (0 4 6111	23023611111	273(36)1111
WIND BRACING A S 1684 as appropriate for Wind velocity for buildings type. A and B to be Evenly distributed throughout.			
FLAT ROOF []	SPANS	HARDWOOD	OREGON or PINE
DACCERG	Up to 2 4m	125x50mm	150×50mm
RAFIERS	2 4 · o 3 0m	150x50mm	150x50mm
	3 0 to 3 6m	175x50mm	175x50mm
	36 to 42m	200x50mm	225x50mm
	4 2 †04 8m	225x50mm	250x50mm
	4 8 to 5 4m	2/5x50mm	275x50mm
			· ·
	5 4 to 6 0m	300x50mm	300x50mm
BATTENS		75×38mm	75x38mm
RIDGE BEAMS TO OPEN SPANS	no to 3 0m	200x100mm	225x100mm
Fall of roof to be not less than50mm in 3 0m span	30 to 36m	225x100mm	250x100mm
ar d to be herringbone struffed or solid blocked cil	3 6 to 4 2m	250x100mm	275x100mm
depth of joists. Where span exceeds 2.7m to:	4 2 to 4 8m	2 ⁷ 5x100mm	300x100mm
subsidiary roofs fall is to be not less than 13him per			
300mm of span. Poof to be sarked and ventilated			
Soon in or apair 1 co to be dained a leavenured			
VERANDAH BEAMS	up to 2 1m	150X50MM	150X75MM
VERMEDEMEND	2 1 to 3 0m	200X75MM	200X75MM
VERANDAH POSTS		100X400MM	100X100MM

JOINER

DOORS AND WINDOWS GENERALLY All timber sizes are nominal and tolerances only as provided by the appropriate Australian Standards listed here. For door frames and jamb linings – doors and windows – AS1288 Frames to be properly fitted and joined together with linings moudings and trimmings properly mitered or scribed All defects and marks filled and ready for painting with approved primer or a priming oil including a wood preservative

JAMB LININGS Lining to be a minimum of 38mm thick solid rebated to all door openings. Where return plaster reveals occur linings are to be 75 x 50mm rebated. Linings to openings not having doors or to have swing doors are to be 25mm thick timber securely fixed.

DOORS AS 2689 Fit accurately to door frames hang front and rear doors with three 100mm steel butts and other doors unless otherwise specified with two 88mm steel butts. Height of doors to be 2040mm. To front entry a 2 040m x 820mm x 40mm door with selected lock and furniture. To rear entry fit 2 040m x 820mm x 40mm door with selected lock and furniture. Internal doors to be 2 040m x 820mm x 35mm flush panel with selected lock and furniture. Double doors to be 2 040m x 820mm x 40mm rebated together with mortise lock and furniture. Fit sliding doors and tracks where shown on plans. Laundry door to be 2 040m x 820mm x40mm with lock and furniture. Any variations to door sizes must be shown on plan as a separate item. Door sets to AS 2689 may be used as an alternative and are to be fitted in accordance with the standard.

GARAGE DOORS to be ☐ Tilt ☐ Roll ☐ Other	
SECURITY SCREEN DOORS AS 5039 AS 5040 Where indicated on placeordance with the standard	an are to be supplied and fitted in
☐ AUTOMATIC GARAGE DOOR OPENER ☐ Own	ner 🛘 Builder
WINDOWS AS 2146 AS 2147 ☐ Casement ☐ Hopper ☐ Double Hung solid rebated material Head and stiles are to be out of material having a square mullions and transoms not less than 6250m square rebate in all ensure complete weather proofing Sills minimum 75mm thick sunk we species of hardwood Window units and combination window wall units in	and end section of not less than 5000m cases are to be of such depth as to athered and throated tallow wood or other
SASHES Sashes are to be manufactured from sash stock material not le of 3mm or heavier is indicated for use (see under Glazier) 44mm sash ar mechanical sash adjuster is provided, then 35mm material can be used	nd stock material should be used unless a
☐ ALUMINIUM FRAMED AS 2047 AS 2048 as shown on plans Type a furniture and fixed in accordance with the particular manufacturers reconflashed Frames and sashes must be fitted in conformity with good build	nmendations Heads and sills to be

ARCHITRAVES Provide architraves of standard section to all door window and other openings internally

SKIRTINGS Provide skirtings of standard section

STORM MOULDS Fix to all window frames and outside doors where appropriate

KITCHEN CUPBOARDS Provide properly constructed floor and wall cupboards in position and to dimensions indicated on plan. Floor cupboards to have raised floors with toe space under front face. Cover bench tops with materials as selected. Doors to be accurately fitted and hung and finished with selected catches and handles. All cupboards are to be securely fixed in position and neatly finished at wall and floor intersections.

BUILT IN CUIPBOARDS Frame up and fix cupboard/s in position and to dimensions shown on plan Provide doors and door furniture as selected

BATHS Under exposed edges of bath provide a properly constructed frame ready to receive covering specified elsewhere. Or build brick-on-edge walls in classification. M4 mortar and leave ready to receive tiles as specified under 'Tile layer. Make provision for the area under bath to be properly drained and ventilated.

BATH AND SHOWER RECESS If bath and shower recess are to be lined with laminate or waterproof material a timber frame is to be constructed. If tiling is called for refer to tile layer in this specification

	LINOLIX
FENCING By □Owner □Builder	
TYPE	SITUATION
☐ Brick as detailed	☐ Front
☐ Colourbond as per manufacturers specification	☐ Sides
□Timber as detailed	☐ Rear
□ Other/	☐ Other

DRAINER

effectively dealt with and diverted clear of the building. Trenches for drains must not be within 600mm of footings of buildings where running parallel to same
☐ SEWERED AREAS A drainage system from pedestal pan and from wastes of all fittings to be provided and connected to the sewer main and all to be in accordance with the Rules and Requirements of the appropriate Authority Yard gully at rear of building to be provided Allow for mm drainage CERTIFICATE OF COMPLIANCE IS TO BE PRODUCED AT COMPLETION OF WORK
UNSEWERAGED AREAS A drainage system to be provided from all fittings and from grease-trap in accordance with the requirements of the Local Authority concerned. Drains must be excavated to provide even falls throughout and with a minimum cover of 300mm. Lay 100mm socketed stoneware pipes or approved PVC pipe to take soilwater from wastes of washtubs, bath shower washbasin and grease trap. All drains are to be laid so that water is discharged or adequately absorbed joint all pipes as required by Local Council concerned. The Builder is to ascertain and allow for the Council's requirements in this regard. An approved grease trap with lid is to be provided and placed in position shown to take water from the sink. Top of trap to be slightly above the finished ground, or nearby paving level. All drainage work from fittings to the drainage line outside the building to be performed in accordance with the Rules and Requirements of the Water Supply and Sewerage Authority for sewered areas. A Certificate of Compliance to be produced in respect of this work by the builder. Allow for Drainage.
☐ A SEPTIC TANK ☐ A HOLDING TANK ☐ OTHER of approved design and capacity is to be installed in accordance with the manufacturers specifications and also with the requirements of the Local Authority concerned If any rock encountered during installation of tank to be chargeable extra
ROOF WATER DRAINS To be connected to existing Roof water drains to be allowed for and laid Drains to be approved PVC pipe laid to an even and regular fall so as to have a minimum cover of 100mm Connect drainage lines to downpipes with suitable bend and discharge as required by Local Council concerned Allow for mm drainage
PLUMBER
RAINWATER PRODUCTS AS 2179 AS 3500
GUTTERS Zincalume Colourbond Other to be provided for all eaves set in position with sufficient fall to downpipes All joints and angles joined using brackets and sealant as per manufacturers recommendations
DOWNPIPES Zincalume Colourbond Other in positions to allow free flow of water from all gutters and connected to stormwater drainage fixed to wall surface using appropriate fittings
☐ Gutters and down pipes to be affixed in accordance with manufacturers recommendations
VALLEYS To be 6mm thickness Zincalume 450mm wide and fixed to valley boards with edges beaded, well lapped and sealed at joints
FLASHING AS 1804 AS 2904 Flash around chimneystacks exhaust flues and wherever else required with approved lead or specific made flashings. Stepped or wall flashings to be taken through full width of brick wall, turned up internally and dressed down to overlap roof flashing. SANITARY PLUMBER (All areas) Provide connections to laundry tubs, kitchen sink, vanities, basins, bath, toilets and floor waste all in accordance with the requirements of water and sewerage authority. WATER SERVICE AS 3500. Provide an approved pipe from authorities main to boundary, install water meter and connect to one garden hose cock yard gully kitchen bathrooms, laundry toilets and hot water service. Internal piping to be a copper other all properly secured and finished with necessary flanges cover plates etc. Provide for fixing of toilets, vanities, baths, showers kitchen sink dishwasher and laundry tubs as shown on plan.
FLOOR WASTES Provide drainers grates to all floors as required
WASTE WATER RECYCLING Where required by the appropriate authority wastewater recycling systems of an approved design are to be installed in accordance with the plans

HOT WATER SERVICE AS3500 Install and connect hot water tank as selected to all points Piping to be lagged as required
☐ GAS SERVICE The whole of the work to be carried out as per requirements of the Local Supply Authority The Plumber is to be responsible for the gas service from fence alignment including fixing of the meter and cover for same
ROOFER
GENERALLY AS2050, AS2049, AS1684
TILE ROOFING Provide all roofs with first quality roofing tiles. Tiles may not be used on roofs having a slope less than 1 4 5. Where pitch of rafters is less than 1 2 75 terra cotta Marseilles pattern 1 3 7. Swiss pattern, 1 3 3 concrete tiles are used the roof shall be sarked with double faced aluminum foil covered reinforced fabric as per AS 4200. Between 1 3 7 and 1 4 5 slope, perimeter of roof shall be provided with an anti-ponding board or device to ensure that all water will be discharged into eaves gutter, a clear space must be provided between edge of the device and the lowest side of the first batten so as to allow a free flow of water into the gutter. Where one section of the roof discharges into a lower section, the discharge is to be widely distributed, and the roof is to be fully sarked. Elsewhere where a spreader is used the roof shall be sarked from the point of discharge to eave with a minimum width of 1800mm approved sarking. Cover ridges and hips with all capping, starters and apex caps necessary, and bed all capping, and verge tiles on lime mortar and point with coloured cement mortar.
☐ TERRA COTTA TILES To be glazed and manufactured in accordance with AS 2049 To be fixed to timber battens with approved fasteners every alternate tile all fixed in accordance with AS 2050
□ CONCRETE TILES To conform to AS 2050 and to be produced by manufacturers who provide a comprehensive guarantee, and fixed in accordance with AS 2050. Tiles are have an end lap of not less than 75mm. Where fixing holes are provided every alternate tile in each course is to be fixed to battens with approved fastener. Where holes are provided for nailing, every tile in each third course is to be fixed with galvanised flat head nails at least 19mm into tile batten.
□ CORRUGATED FIBRE CEMENT ROOFING To conform to AS 1562 and fixed in accordance with AS 1562 Minimum pitch of roof is to be 1.8 for large corrugations and 1.11 where rafter length can be covered with a single sheet. Where pitch of roof is less than 1.6 in the case of large corrugations and 1.4.5 in the case of small corrugations end laps shall be at least 225mm and sealed. Sheets to be fixed with non corrosive hex head self drilling screws fitted with neoprene ceiling washers to each run of battens with side and end laps or other approved method in accordance with manufacturers instructions. All necessary accessories are to be provided and the roof to be adequately bird proofed.
□ CORRUGATED STEEL ROOF AS 1562 □ Zincalume □ Colourbond all sheets branded according to thickness All necessary accessories to be provided and the roof is to be adequately birdproofed. Sheets to be fixed with 45mm non corrosive hex head self drilling screws fitted with neoprene ceiling washers to every alternate corrugation at ends and every fourth corrugation immediately. All hips and ridges are to be covered with screws and washers. Where pitch of roof is less than 1.4.5 minimum a material having effective vapour barrier and thermal insulation qualities is to be fixed to the underside of ceiling joists where a level ceiling surface is to be provided. Where the ceiling is to follow the pitch of the rafters, irrespective of the pitch of the roof, the vapour/thermal barrier is to be fixed to the underside of the rafters. Lead flashing not to be used with Zincalume steel.
☐ METAL DECK Metal deck roof with or without self locking ribs may be used provided it is fixed in strict accordance with manufacturers instructions (minimum slope 1 60)
☐ SARKING To comply with AS 4200 for pliable sarking and AS 3999 for reflective foil
ELECTRICIAN
To provide all labour and materials necessary for the proper installation of electricity service in accordance with the appropriate S A A rules and the requirements of the Local Supply Authority. Arrange with Supply Authority for connection from mains to meter boards. All work to be in accordance with the AS Wiring Rules AS 3006 as amended, and the insurance Council of Australia. Provide light points in positions shown on plan or to be determined. Approved switch for each point is to be mounted in positions to be indicated. Provided power points of flush type with 10amp switches in positions as shown on plan or to be determined.
METER BOX Provide box to enclose meters in accordance with the Requirements of the Authority concerned

SMOKE ALARMS Self contained smoke alarms are to be installed in suitable locations on or near ceiling in any storey. Between each area containing bedrooms and the remainder of the building where bedrooms are served by a hallway, in that hallway or in each bedroom and the alarms are to be connected to the consumer mains power and have a standby power supply

CEILING AND WALL FIXER

CEILING.	☐ FIRR	OUS PL	ASTER [GYPSUM	PLASTER	ROARD
		OOO I L	~~ I LI\	G I I OUN		

FIBROUS PLASTER To be manufactured and fixed in accordance with AS 2589, DR 99462 Normal thickness of 10mm and sheets to be as large as practicable, well dried before fixing Use galvanised clouts to affix to battens of 38 x 25mm timber spaced at 400mm centres nailed to ceiling joists. Use double battens at all joints running parallel to the battens not more than 225mm apart. Punch all clouts into plaster and stop. Scrim from above and set joints flush.

GYPSUM PLASTER BOARDS AS 2588 To be manufactured and fixed in accordance with AS 2588 Nominal thickness of 10mm fixed with galvanised clouts or screws (specific made) and adhesive direct to ceiling joists at maximum 450mm centres or 13mm thick at 600mm centres clout head to be sunk and stopped with special cement. Jointing and fixing must be strictly to manufacturers recommendations

CORNICES Provide cornices to above ceilings neatly mitered (scrimmed and set) at all angles in full wall lengths where possible

FIBRE CEMENT Provide to laundry, porch and attached W C Ceilings Sheets of balanced pattern fixed to properly nogged and even surfaced solid backing

WALLS
FIBROUS PLASTER
GYPSUM PLASTER BOARD Provide to walls of lounge dining bedrooms hall kitchen bathroom Provide all necessary vents and set flush with wall surface

FIBROUS PLASTER Use full length sheets where practicable All vertical joints must be backed with double studs and reinforced with sisal and/or plaster. All joints to be left flush with surface. Provide 38 x 38 x 5mm galvanised iron strip to full length of internal angles. Fix sheets to wall framing at edges and intermediately with galvanised clouts punch below surfaces and stopped. Neatly set all angles. Internal angles. Internal angles from skirting to picture rail 19mm quad can be fixed.

GYPSUM PLASTER BOARD Provide with full length sheets horizontally or staggered end joints to ceiling heights in accordance with manufacturers instructions. Fix with galvanised clouts or screws (specific made) and adhesive at 225mm centres to studs. Punch heads of clouts below surface and finish as for ceiling. Internal angles from floor to ceiling to be set. Jointing and fixing must to manufacturers recommendations.

☐ WET AREAS All walls to wet areas approved water resistant sheets shall be used	All internal wet areas to be
completely waterproofed by a licensed applicator using propriety system designed for	
amended	

PLASTERER

Cement Render

Float and Set all internal brick walls to be cement rendered to a minimum thickness of 13mm in accordance with A S metric code

WATERPROOFER

BATHROOMS TOILETS AND LAUNDRIES All internal wet areas to be completely waterproofed by a licensed applicator using a proprietary accredited product designed for wet areas. Membrane should be waterproof not water resistant. Area to be waterproofed should be clear of all obstructions and thoroughly cleaned prior to application of product. System must include upstands angles a turn should be provided at door thresholds. Membranes should be dressed into floor waste outlets. For concrete floors full shower base should be sealed. Where sheet flooring is in use the whole area should be waterproofed. Metal or other approved shower trays may be used in lieu of waterproof membranes to shower areas. All shower trays to be installed to manufacturers instructions.

BALCONIES Balcony areas over internal habitable rooms to be treated under same guidelines as internal wet areas. Accredited products should be used and applied by licensed waterproofing contractor and the manufacturers instructions be explicitly followed.

Certificate showing type of membrane installation date name and license no of approved installer to be supplied on completion

TILELAYER

FLOORS Provide Dathroom and shower recess Deparate W C with floor tiles as selected

WALLS Provide wall tiles to - bathroom 1 4m or

shower recess 18m or

To enclose bath and hobs above kitchen sink and hot plate of stove and W C. Finish at top and salient angles with glazed edge tiles. Provide vents to under bath. Fix recess fittings (If printed heights are not crossed out they are to apply). Where other types of lining are used refer to. Internal wall linings.

PAINTER

GENERALLY All paints, stains, varnishes and water colours to be properly mixed be of approved brands and brought to job in unopened containers. Material used for priming is to be recommended by the manufacturers of the paints to be used. All finishing colours are to be chosen by owner. Do all necessary stopping after priming has been applied. Rub down all surfaces to a reasonably smooth finish prior to the application of each successive coat of paint.

EXTERNALLY Prime BEFORE fixing All dressed surfaces of all door and window frames, all external woodwork including underside and end of sills are to be primed before fixing

WOODWORK After priming all exposed woodwork to be given one coat of undercoat and one finishing coat of approved paint

IRONWORK Eaves, gutters downpipes and service pipes and all wrought iron etc to be cleaned and given one coat of approved primer and one good coat of oil paint or a paint recommended for metal work

FIBRE CEMENT Clean and prepare all external fibre cement surfaces for colouring then give two coats of approved paint

INTERNALLY

WOODWORK all exposed woodwork to be prepared and given one undercoat and finished with two coats of approved paint or wood stain to manufacturers recommendation

FIBROUS PLASTER AND FIBRE CEMENT To be prepared and given two coats of approved paint

GYPSUM PLASTER BOARD To be prepared and given two coats of approved paint

CEMENT RENDER to be given one coat sealer and two coats approved paint

GLAZIER

ALL WINDOW SASHES AND LIGHTS TO BE GLAZED All glass is to be back puttied well sprigged into primed or oiled rebates and weather puttied Glass is to be free of defects and of the weights and sizes set out below AS1288 to apply

MAXIMUM SIZE OF SHEETS	GLASS THICKNESS (mm)
560 x 560mm or 760 x 460mm	2
700 x 700mm or 1000 x 500mm	2
760 x 760mm or 1250 x 600mm	3
900 x 900mm or 1500 x 700mm	3
1170 x 1170mm or 1500 x 970mm	4

Clean all glass on completion

VARIOUS TRADES

BRICK VENEER TIMBER SHRINKAGE GAPS	In two-storey construction where timber with a low
shrinkage is used in each floor framing 20mm clear space	shall be provided to the underside of first floor
windowsills Where unseasoned hardwood is used in each	n floor framing the above clearance shall be increased by
50% In concrete slab-on- ground two storey construction	window sills on first floor require a space of 10mm the
brick veneer shall be kept 10mm below roof frame. In two	storey construction where timber with a low shrinkage is
used in each floor framing the Brick Veneer shall be kept 2	20mm clear below roof framing on the first floor Where
brick gables are to be provided roof framing shall be kept to	o a minimum of 20mm clear for two storey Where
unseasoned hardwood is used in floor framing the clearai	
ground two storey construction a clear space of 10mm sha	Il be provided in the first floor

EXTERNAL CLADDING

□ WEATHERBOARDS Weatherboards with profiles as specified by Australian Standards are to be selected with	١a
maximum moisture content of 15% in long lengths securely fixed with corrosion proof fasteners lapped a	
minimum 16mm and fitted with necessary angle moulds. Boards exceeding 100mm in width to be double fixed at	all
pearing points. All cladding to be prime coated all round prior to fixing. Where vertical boarding is used it is to be	
ixed at not more than 600 mm centres and approved sarking is to be placed immediately behind the boarding and	d
ixed to the framing	

☐ FIBRE CEMENT ☐ OTHER EXTERNAL SHEET

All fixed as shown on plan and in strict

accordance with manufactures specifications

A bath shall not be enclosed unless it has a flange especially made for **ENCLOSURE OF BATHS** that purpose and complies with the following conditions

- There shall be free air space all around between the bath and the enclosure
- The floor of the bathroom shall extend throughout the enclosure That portion of the floor within the enclosure shall be not less than 12mm higher than the main portion of the bathroom floor shall be graded to a suitable floor grating and further provided with an outlet pipe through the riser to the main portion of the bathroom floor
- All holes made in walls or the floor shall be properly closed and outlet pipes shall have suitable vermin proof
- The risers shall be of enameled iron, terra cotta, concrete bricks or composition slabs covered with glazed tiles or other approved impervious material. In a timber framed structure the risers may consist of wooden membranes not less than 75mm x 50mm rendered vermin and moisture proof by a covering of asbestos cement sheeting or other approved impervious material applied both internally and externally except in the case of a riser which may be left unlined internally if so approved
- Where the floor of the bathroom extends into the enclosure two ventilators at least 150mm x 75mm fixed in approved positions shall be furnished to ventilate the enclosed space and such ventilators shall be made of metal, terra cotta stoneware, concrete or other approved material and shall be rendered vermin-proof
- Where the bath abuts against a wall or walls the finishing material of the wall shall overlap the upstaged of the bath and the joint shall be made watertight

BUSHFIRE PRONE AREAS Where a building is to be erected in a FIRE PRONE AREA AS 3959 is to be followed

CONCRETE MASONRY WALLS

GENERALLY AS 3700 - The masonry contractor shall supply all labour materials and equipment necessary to complete the concrete masonry walls of this project in accordance with the plans and specifications. This work shall be properly co-ordinated with that of other trades All applicable local laws ordinances and codes shall be fully complied with All materials workmanship and construction practices shall be of a standard not less than shown on plans or specified hereunder

CARE OF MASONRY UNITS Masonry units shall be stacked so as to be clear of the ground and in wet weather covered with waterproof sheeting or otherwise kept dry At the end of each days work the top of the wall shall be protected from becoming excessively wet. The masonry units shall not be dampened prior to laying, and shall be laid in a dry state

PROPERTY SPECIFICATIONS Mortar shall comply with AS 3700 in all respects, as it applies to property specifications Locally available plasticizers may be used when approved and where tests show the mortar meets the requirements of these specifications

MORTAR PROPORTIONS Above damp proof course level 1 1 6 (cement lime and sand)

INTERSECTING BEARING WALLS Intersecting block bearing walls should not be tied together in masonry bond except at corners Instead one wall should terminate at the face of the other wall and with a control joint at that point. For tying non-bearing block walls to other walls, approved non-corrosive ties to be placed across joint between the two walls. The ties are to be placed in alternate courses. When one wall is constructed first the ties are to be placed in the wall and allowed to project to be built into the mortar joint of the second wall. Where the two walls meet the vertical joint is to be raked out to a depth of 15mm if it is exposed to view in the finished building and approved filler inserted into the recess

CONTROL JOINTS Control joints shall be located where shown and as detailed on the plans Control joints shall form a continuous vertical break from top to bottom of wall or from bond beam Provision shall be made for adequate lateral stability (detail on plans) Joint shall be filled with mortar, raked back 15mm and pointed up with a non-hardening plastic filler Plastic filler shall be tooled to match jointing. No reinforcing shall be used across a control joint

FOOTINGS The size and proportion of footings shall be based on an assessment of the load to be carried the bearing capacity of the foundation material and any other factors which may affect the stability and carrying capacity of the footing. All to the approval and or design of a supervising structural engineer

STANDARD FOOTINGS For general construction the footings as specified on page 3 may be used if no unusual ground conditions exist

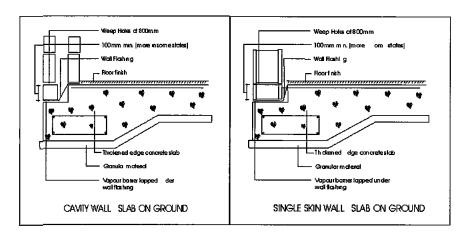
JOINT REINFORCEMENT Joint reinforcement shall be used at all window and similar openings in the first two bed joints under the sill except that it may be omitted when bond beam is provided in this position. The reinforcement shall extend at least 500mm beyond the reveals or to the end of the wall, whichever distance is lesser. Joint reinforcement used generally to control cracking throughout a wall shall be laid in the bed joints with vertical spacings not exceeding 600mm, except that it may be omitted within 600mm of a structural diaphragm or bond beam.

BRACING DURING CONSTRUCTION Masonry walls constructed in locations where they may be exposed to winds during erection shall not be built higher than ten times their thickness unless adequately braced or until provision is made for the prompt installation of permanent bracing. Back filling shall not be placed against foundation walls until they have been braced to withstand horizontal pressure or as required by supervising structural engineer.

DECORATIVE SCREEN WALLS Screen walls used for decorative purposes shall carry no vertical loads other than their own weight. They shall be adequately anchored to suitable horizontal or vertical structural members in order to resist wind and any other lateral loads.

WEATHER PROOFING All single leaf masonry walls exposed to the weather or below ground shall be adequately weather- proofed or water proofed using an approved product specifically designed for the purpose and applied in accordance with the manufacturers specifications

VAPOUR BARRIER To be pigmented polythene sheet not less than 0 2mm thick taped and sealed at all joints



The concrete block supplement is to take precedence over the specification if it conflicts in any way and all other parts of the specification are to be adhered to

COMPLETION

The building is to be completed in every trade Sashes and doors to be eased, locks oiled and all plant, surplus building materials and rubbish removed from the site Gutters and drains are to be cleared and the building generally to be left clean and fit for occupation The Builder is to furnish the Owner with -

- 1 Notification of Completion
- 2 Certificate of Compliance re plumbing & drainage
- 3 All keys for all doors

It is the responsibility of the Builder to arrange any inspections necessary by council water board or Lending Authorities

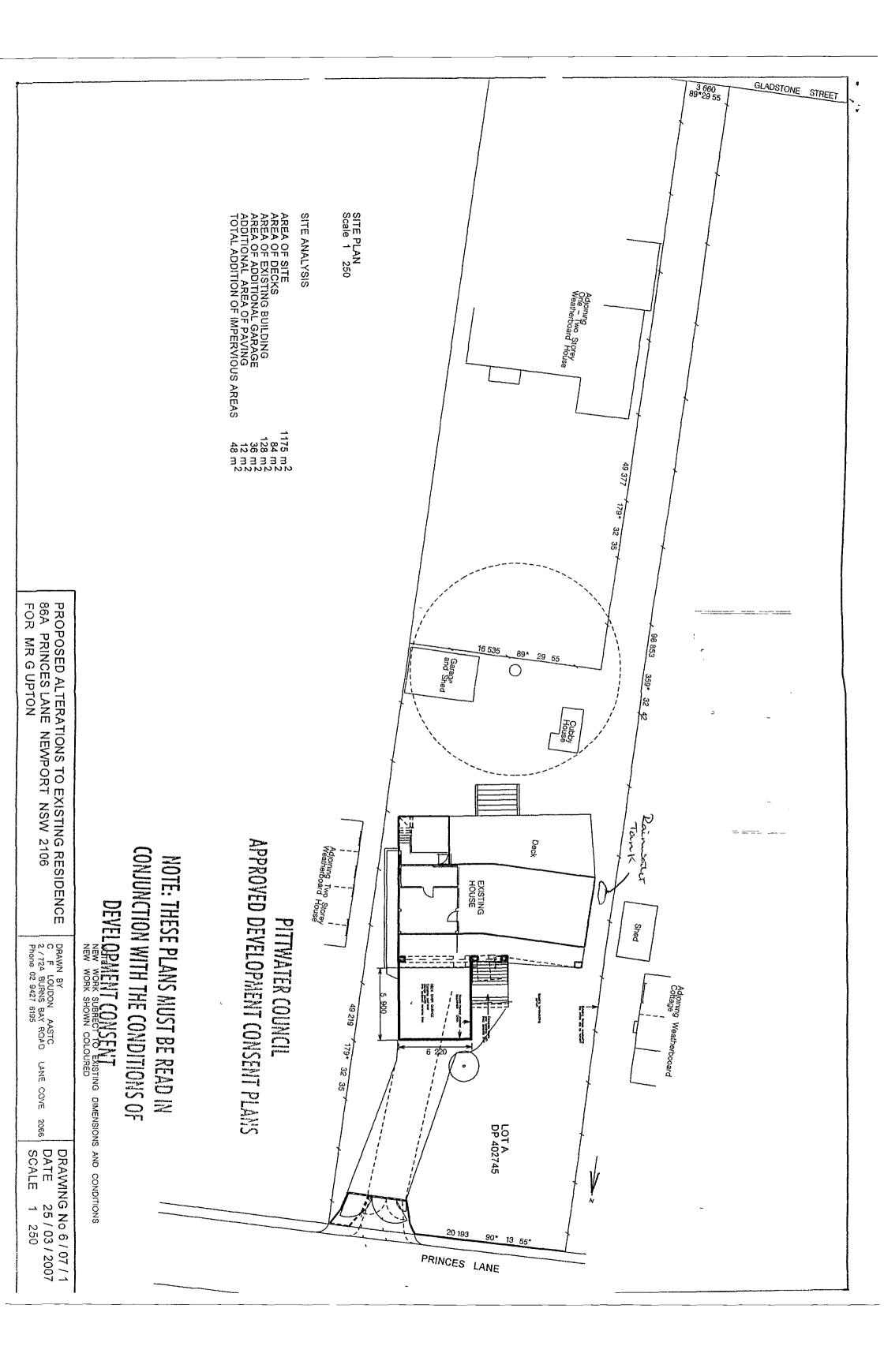
WORK BY OWNER

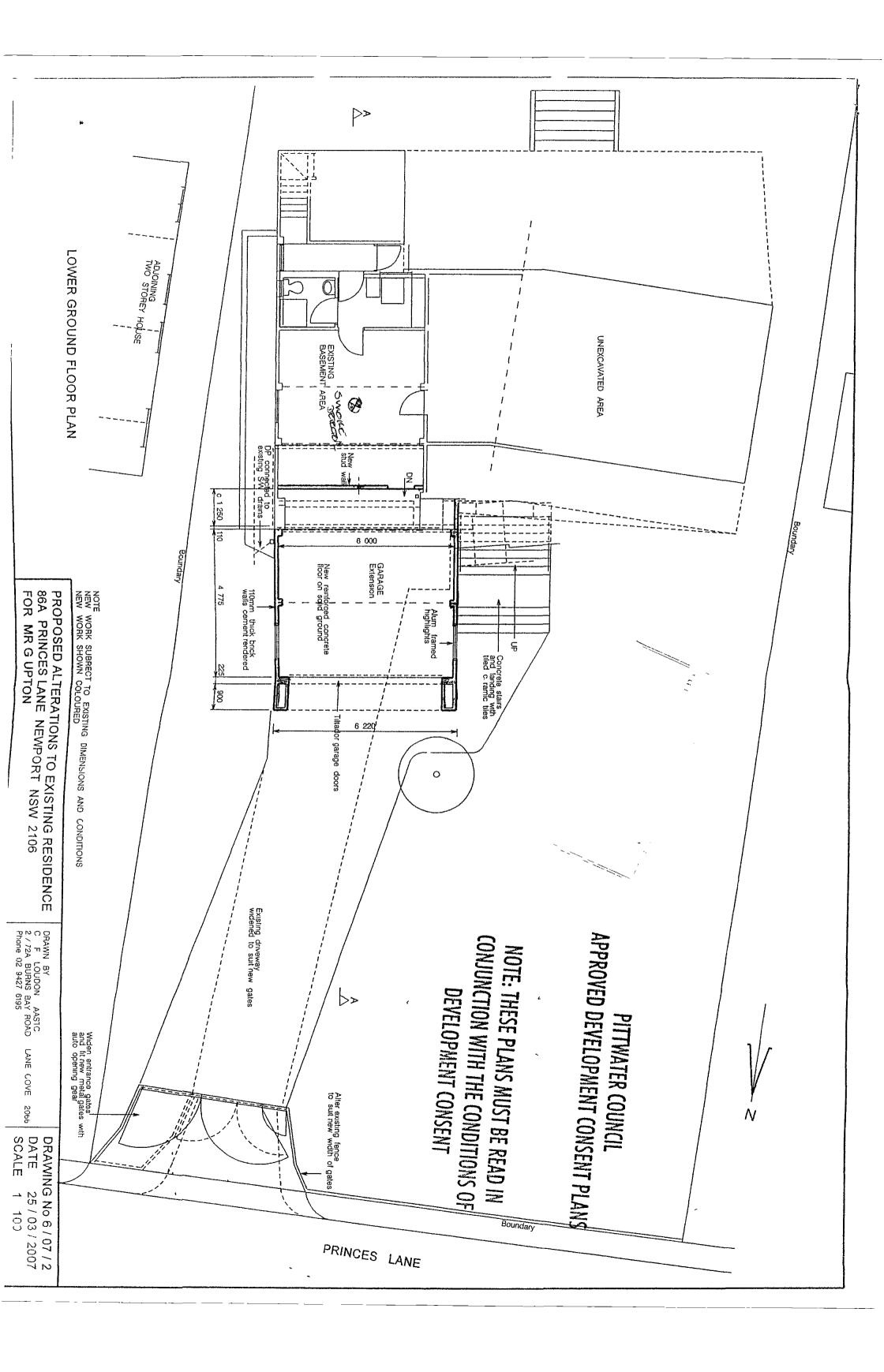
responsibility and/or expense from any such work	
	Signed by O
SCHEDULE OF ALLO	WANCES
The builder is to allow the prime cost amounts set out in this sch include the cost or cartage freight, fixing or fitting, all of which is his contract	
□ Bath	\$
□ Vanity unit	
□ Wash basın	
□ Towel rail	
□ Soap holders	\$
□Bathroom mirrors	
□ Shower screen	
□ Exhaust fan 200mm □ Bathroom □Kitchen	
□Exhaust hood over hot plates	
□Kitchen cupboards including sink	
□Stove/wall oven/hotplates □ Electric □Gas	<u> </u>
□Set of washtubs_complete □Single □Double	
□WC suites	
□Taps and fittings	
□ Seat	\$
□ Door furniture latchsets lock etc	\$
□Entry door	
Security Door	
□Wall and floor tiles	\$ <u></u> _
□Garage door	\$\$
□Hot water □Electric □Gas	
□Ceiling Fans	\$
Insulation	\$
Light fittings	\$
Dishwasher	
∃Hot water unit	<u> </u>
□Water tanks	\$
Uwater Pumps	
J	
]	•
]	\$
B <u>. </u>	•
	\$

ADDENDA	
THIS IS THE SPECIFICATION REFERRED TO IN THE CONTRACT BETWEEN OWNER AND BUILDER AS SHOWN BELOW	
Signed Owner	Signed Witness
Date	
Signed Builder	Signed Witness
Date	
Printed by TRUELINE PRINTING and GRAPHICS www truelineprinting com	
And distributed by TRUELIINE PRINTING and GRAPHICS 182A COOPER ROAD, YAGOONA 2199 Ph (02) 97084170	

COPYRIGHT 2007 BY TRUELINE PRINTING and GRAPHICS Subject to the Copyright Act, 1968 No part of this publication may be copied or reproduced in any form, without the written permission of the above company All rights reserved including the method of completing these specifications

TRADEMARK REGISTERED 2005 by I&R Gibson Pty Ltd 182A Cooper Road Yagoona NSW 2199





>> GROUND FLOOR PLAN DINING ROOM KITCHEN PROPOSED ALTERATIONS TO EXISTING RESIDENCE 86A PRINCES LANE NEWPORT NSW 2106 FOR MR G UPTON EXISTING RESIDENCE FAMILY ROOM LIVING ROOM Timber framed and blueboard sheeted piers enclosing steel columns all painted Timber framed sheeted balustrade to existing Deck DECK OVER GARAGE
Concrete roof over
garage paved
with selected ceramic tiles Timber framed shee balustrade to Deck tiled Conc DRAWN
C F LOUDON AASTC
2 / 72A BURNS BAY ROAD LANE COVE 2066
Phone 02 9427 6195 NOTE
NEW WORK SUBBECT TO EXISTING DIMENSIONS AND CONDITIONS
NEW WORK SHOWN COLOURED CONJUNCTION WITH THE CONDITIONS OF APPROVED DEVELOPMENT CONSENT PLANS DRAWING No 6 / 07 / 3 DATE 25 / 03 / 2007 SCALE 1 100

>> extension S 600 app FIRST FLOOR PLAN Wall/flashed to rooting W I DRESSING Cut back existing roof -New timber framed walling sheeted with fibrous cement sheet and paintrad 뫄 EXISTING BEDROOM Extend timber flooring Box gutter 쯂 NEW DECK Remove existing Deck Framed balustrade sheeted with Hardiflex fibrous sheet and painted – timber rail on top ⊳⊳ NOTE
NEW WORK SUBRECT TO EXISTING DIMENSIONS AND CONDITIONS
NEW WORK SHOWN COLOURED PITTWATER COUNCIL

APPROVED DEVELOPMENT CONSENT PLANS ONJUNCTION WITH THE CONDITIONS OF NOTE: THESE PLANS MUST BE READ IN DEVELOPMENT CONSENT

PROPOSED ALTERATIONS TO EXISTING RESIDENCE 86A PRINCES LANE NEWPORT NSW 2106 FOR MR G UPTON

DRAWN C F LOUDON AASTC 2 / 72A BUPNS BAY ROAD LANE COVF 2066 Phone 02 9427 6195

DRAWING No 6 / 07 / 4 DATE 25 / 03 / 2007 SCALE 1 100

