

APPLICATION FOR PLUMBING & DRAINAGE PERMIT

Date Issued _____

To the Mangonui County Council

I the undersigned, hereby give notice that I intend to carry out the following work, subject to the provisions of the By-laws of the Mangonui County Council, the Counties and Health Acts, 1956, amendments thereof or any other provisions whatsoever applicable thereto and request that a permit be issued for the execution of some.

Riding ORURU Nearest Township _____Section on which work is to be placed PT. ALLOT 718 - ON FAIRBURNS ROADOwner G. D. BAUCKE Address R. D. 3 KAITIADrainlayer APEX PLUMBERS Registration No. _____Class of Work with Description in detail Quote right typed

HOUSEHOLD DRAINLAYING & SEPTIC TANK
INSTALLATION, TO HEALTH INSPECTORS REQUIREMEN

Description of Water Supply SPRING + RAINWATERProposed Commencement Date Nov. 1978 Date of Completion Nov 1978Estimated Cost: \$ 3000 - 00 Fee Payable \$ 38 - 00

(The decision of the Inspector shall be final as to estimated cost.)

Signature - Applicant - Owner) A. J. Baucke Receipt No. _____
 Drainlayer) _____
 Plumber) _____
 Address R. D. 3 KAITIA
 Date 1. 12. 78.

The fee payable as per Schedule hereunder, must accompany this application.

DRAINAGE & PLUMBING

If the value of the proposed work is:

Not in excess of \$600	:	\$10-00
In excess of \$600 but not above \$800	:	\$14-00
" " " \$800 " " " \$1000	:	\$17-00
" " " \$1000 " " " \$1200	:	\$20-00
" " " \$1200 " " " \$1400	:	\$22-00
" " " \$1400 " " " \$1500	:	\$24-00
" " " \$1600 " " " \$1800	:	\$26-00
" " " \$1800 " " " \$2000	:	\$28-00 plus \$2-00 for every additional \$200 or part thereof.

In assessing the work, no single fitting shall be deemed to have a value exceeding \$100.

Inspections and Reports - On subsoil soakage tests for septic tank effluent drainage. Time involved charged at:- : \$ 7-00 per hour

APPLICATION APPROVED

560



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FULL HOUSEHOLD PLUMBING INCLUDING
WET BACK INSTALLATIONDescription of Water Supply TANKSProposed Commencement Date ~~1/12/78~~ Date of Completion _____Estimated Cost: \$ 1600 - 00 Fee Payable \$ _____

(The decision of the Inspector shall be final as to estimated cost.)

Receipt No. _____

Signature - Applicant - Owner) G. D. Baucke.
Drainlayer) _____
Plumber) _____
Address R. D. 3.
Date 1-12-78

The fee payable as per Schedule hereunder, must accompany this application.

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APPLICATION APPROVED

Proposed farm shed for Mr G.D. Baucke, R.D. 3, Kaitaia.

Specification for proposed farm shed for my G.D. Baucke, R.D. 3, Kaitaia.

1. Specification to cover construction of Galv. iron sheathed shed for general farm storage purposes.

2. Schedule of materials

piles:	200x200x600		300 in ground, 1m c/c
bot.plate	100x50	R/S Tan no. 1	long lengths, joined on piles
framing	100x50	R/S Tan no. 1	
studs			800 c/c max
nogs			2 rows
braces , solid			1 either end
			2 each wall, opposing
fascia	150x25	R/S tan no. 1	long lengths
ridge	"	"	" "
collar tie	"	"	every 2nd pr rafters
rafters	100x50	"	900 c/c max
wind braces	150x25	"	45deg. 2 to each end over plates, 2
soffit	300x25	"	to rake of rafters
sheathing		C.G.Iron	painted laps
Damp proof course		3 ply Malthoid	between conc/timber
doors	2.3m		sliding in Henderson track

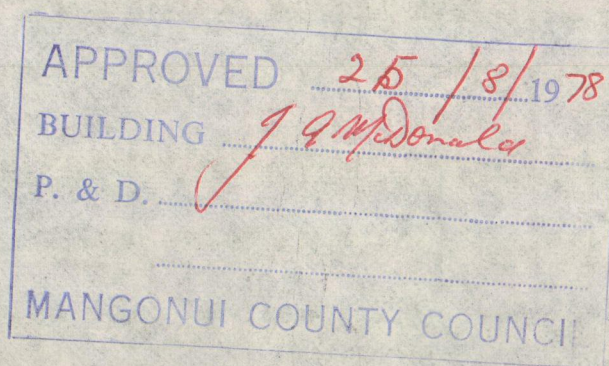
3. Bottom plate to be wired to piles

4. Sheathing to be fastened with: roof. Lead head nails
walls Galv. twist nails

Each sheet to be fastened every second corrugation on ends, laps and 3 random nails between laps.

5. Braces. To be solid, cut to 45 Deg, one to either end, and 2 to sides in opposing directions.

6. Ends of gables to be covered in ridging with lead pressed to fit corrugations.



SPECIFICATION

Owner: Mr & Mrs G.D. BAUCKE, Peria Road, R.D. 3, Kaitaia

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APPROVED 2/12/1978
BUILDING J. McDonald
P. & D.
.....
MANGONUI COUNTY COUNCIL

1. Scope of the contract

The supply of all materials, plant and labour for the erection and completion of the building as shown on the drawings and described in thorough and workmanship like manner, in accordance with all relevant N.Z. standards, local authorities and any other relevant authority having jurisdiction over the contract.

2. Conditions of contract

The usual conditions shall apply and are to be read with and applied to all trades, included in and forming part of this contract.

3. Plant, Cartage ect.

Provide sheds for normal facilities and all plant for the completion of the work. Arrange for and pay for all cartage. Provide all temporary water and power services required and pay all fees and expenses connected therewith.

4. Sub contract work.

Sub contractors shall inspect all preparatory work against which their work is to be placed and before proceeding shall ensure that all work is satisfactory and suitable so as not to impair the proper execution of the sub contract work.

5. Fire Insurance

Fire Insurance covering the building during the course of construction shall be taken out by the builder.

6. Interperation

Work or materials shown on the drawings or specified and not shown must be supplied as though both shown and specified. Materials shown but not specified must be of the kinds commonly employed for the service they are intended to perform. All figured dimensions shall be taken in preference to scale and all detailed drawings shall supersede those of a smaller scale. The contractor shall be responsible for the accuracy of all work and will make good at his own expense and errors that occur.

7. Work shown and mentioned.

The attached specifications and drawings show the extent of the work. Should any material, work of a structural member appear to be inadequately described yet obviously needed for the neat, strong and satisfactory completion of the work, the contractor shall include and allow for the same in his tender.

8. Propriety processess

If any propriety process is used, the contractor shall follow the instructions as closely as possible and where no indication is given to the contrary, he shall allow for that process which gives the best result provided that no process shall be used contrary to the general intention of the specification.

9. General Clause

The whole of the foregoing shall be read in conjunction with and shall apply to each and every trade section of the contract to their full extent and meaning.

10. P.C. Sums

Where the amount of any P.C. sum expended is either greater or less than the sum allowed, the nett difference will be added to or deducted from the contract price.

11. Materials

Any materials herein specified that are not procurable at the time they are required, thus tending to retard the progress of the contract, may be substituted with other similar materials, provided that the substituted materials conform to the local By-laws. The contractor is first to notify the owner of the change proposed and at the completion of the contract will adjust any difference in cost.

12. Storage of materials

All materials should be suitably stored or stacked to avoid damage and adequate protection must be given to all materials to keep them of a standard equal to that required.

13. Extras

Extras by way of materials or labour requested by the owner after acceptance of the contract price is to be given in writing to the contractor and to be charged by the contractor as a separate additional amount.

14. Guarantees

In those portions of the work that require guarantees, the sub contractor involved shall supply his written guarantees directly to the owner. Notwithstanding, it shall be the general contractor's responsibility to ensure that the necessary guarantees are provided and supplied to the owner.

Excavation1. Site clearing

For the purpose of this contract, the owner shall remove all vegetation from the area to be occupied by the building.

2. Foundation excavation

Excavate for all walls and foundations to allow for the height as shown on the drawings to a minimum of 300mm on to good solid bearings, and horizontal on the bottom. All excavations are to be approved by the local body inspector before concrete is poured. Back fill excavations and thoroughly consolidate by ramming.

3. Excavation for services

Excavate trenches as required for underground services, ie, drainage, water inlet and other services where shown. Backfilling to these areas is to consist of the excavated material, consolidated up to level of the finished ground surface. Surplus material may be spread evenly or as directed by the owner.

Reinforcing Steel

1. Reinforcing

HRC mesh and work generally shall comply with N.Z.S. 1900 Chapter 9 . 3 Reinforcing bars shall comply with requirements of N.Z. S 197 cr to N.Z.S. 1693 Details shall comply with clause 9.3A, 33 and with the details shown on the drawings.

2. Stacking

Steel shall be stacked immediately upon delivery at the site in approved racks so that it is clear of the ground.

3. Protection and cleaning

The steel reinforcing shall be protected at all times from injury. At the time of concrete pouring it shall be free from dirt, loose mill scale, paint, oil, grease or other coatings which would destroy or reduce the bond of the steel with the surrounding concrete. Tightly adherent rust or mill scale such as would resist wire brushing need not be removed.

4. Fabrication

The reinforcing shall be cold straightened in a manner that will not injure the material and then be formed to the shapes and dimensions shown on the drawings. The reinforcement shall not be heated. Bars with links or bends not shown on the drawings shall not be used. All reinforcement shall be straight between the bends shown.

5. Welding

The welding of reinforcing bars in long lengths will be permitted only where special permission is given in writing by the local authority Building Inspector.

6. Placing and Fastening

All reinforcement shall be accurately placed and securely fixed in accordance with the drawings. Soft black iron wire not thinner than a.2mm shall be used for the tying of the reinforcement at intersections. Spring clips of an approved make and type may also be used. Welding may be used to hold the reinforcing bars in position provided that there is no undercutting or other weakening of the steel. Reinforcement in any member or any section of the work shall be placed and secured in position inspected and approved by the local Building Inspector before concreting is commenced. 48 hours notice of intention of pouring shall be given to the local authority.

Concretor

1. Materials

- a. Cement. Shall be Portland cement carefully stored in a dry location
- b. Sand. Shall be clean, sharp, silicious, coarse, free from loam, harmful amounts of salt, organic or other deleterious matter and graded from 5 down.
- c. ~~Co~~arse aggregate. Shall be crushed blue metal and shall pass through 25, 20, 12 and 6.5 sieves mixed in equal portions. It shall be free from loam dust and vegetable matter. Natural gravel graded from 20 to 5 may be used.
- d. Water. Shall be organically clean and fresh.

2. Mixing

All concrete mixed on site shall be mixed in a mechanical mixer for a period of not less than $1\frac{1}{2}$ minutes after all materials and water are placed in the bowl. Concrete shall be mixed only in the amounts required for immediate use and shall not be used after the initial set has occurred.

3. Placing

All concrete is to be placed immediately after mixing and no concrete shall be used once the initial set has commenced. Convey and deposit the concrete so that no separation or ingredients takes place. Concrete shall not be dropped through a greater height than 1500cm and shall be deposited as nearly as possible in its final position.

4. Foundation

Reinforce footing with 4 12mm rods and 6.5mm ties at 600c/c. Footing to be 300mm x 300mm resting on solid ground, with stepped footing if required.

5. Concrete block

150mm concrete blocks shall be laid true and level on foundation. Provide starters for blocks at 800cm c/c. Provide bolts for fixing plates at 1m c/c max, 200mm from ends and openings.

Carpenter and Joiner

1. Grading

Grading shall be in accordance with NZSS 169. All wall and subfloor framing to be gauged.

2. Seasoning

Timber shall be air dried or kiln dried. Framing shall not be more than 18% moisture content when fabricated and all exterior timber not more than 16%.

3. Exposed timber faces

All timber which has to be exposed to view in a finished surface shall be dressed on appropriate faces unless otherwise specified.

4. Workmanship

All work shall be carried out by skilled tradesmen in accordance with the best trade practise.

5. Ironmongery

All nails, screws and other fasteners used on the exterior to be galvanised. 150 flat head nails to be used on the bottom plate (lower floor)

6. Damp Proof Course

All timber coming into contact with concrete shall be provided with 2 ply Malthoid or similar.

7. Timber treatment

Timber treatment shall be carried out by an approved company using pressure impregnating plant and shall be applied to all non heart and Radiata framing timber with the equivalent of a tanalith retention of 4.16 kg per cubic metre. All timber so treated shall be impregnated for the full thickness of the timber. Boric treatment shall apply to all other framing timber other than exterior timber. After treatment all timber shall be as in clause 2 above.

8. Finishing

All machine marks to be removed prior to fitting of all face timbers, by either hand or mechanical sanding to produce a uniform surface.

<u>Schedule of timbers</u> (ground floor)			
designation	size	grade	remarks
sleeper plates	100x75	No1 B.T radiata	tan treated
corner studs	"	" "	boric treated
window/door studs	"	" "	" "
studs	100x50	" "	" "
nogs	"	" "	3 rows
top plates	100x75	" "	Boric treated
bracing	Pryde metal or solid		
floor joists	200x50	No.1 B.T. radiata	450 c/c max
joist bracing	50x50	" "	2400 c/c max (herring bone)
lintels	as per schedule		

(1st floor)			
bottom plates	100x50	No1 B.T. radiata	boric treated
studs	"	" "	" "
top plates	100x50 + 150x40	" "	" "
nogs	"	" "	675 mm c/c max
all other framing	"	" "	
lintels	100x75	on flat	up to 1350
	2/125x50	on edge	1350 to 1800
	2/150x50	"	1800 to 2400
	2/200x50	"	2400 to 3000
	2/250x50	"	3000 to 3600
	2/300x50	"	3600 to 4200
ceiling strapping	50x40	No1 B.T. radiata	300mm c/c max
nail plate trusses	Pryde M50	purpose made	1000cm c/c max
Fascia/arge	200x25	No 1 B.T. Rad. or ht rimu (tan O.B.)	
flooring	20mm Plycopyne H.D.		
architraves	ex 75x12		bull nose
skirting	"		"

1. Framing

All wall framing to 600cm c/c max.

2. Flooring

Flooring sheets to be fixed with 55mm brad head galv nails at 150mm c/c along all edges and at 200mm c/c along all other joists. Fix full depth ex 50mm solid nogs to ends of all joists and to all joins in sheets at right angles to floor joists.

1. Nail plate trusses

Roof to be framed with nail plate trusses at a maximum of 1900c/c to pitch and soffit widths as shown on plans. Trusses to be made to 'Pryde' M 502, $17\frac{1}{2}$ degrees.

2. Soffit

Fix 75x50 soffit runner to wall framing and 75x50 bearers along rafters. Line underside with .5mm Hardiflex sheets with P.V.C. jointers.

3. Purlins

Fix 75x50 purlins at 750cm c/c max, staggered joints, in long lengths.

4. Bracing

Wherever possible brace all walls with either metal angle braces or solid 100 x 50 braces, at approximately 45%. Using as a guide, one brace for every 4.5m of wall, 2 for 10.5 and one for every 7.5m of wall thereafter in the same wall. Braces to be continuous over both floors.

5. Floor sanding

The floor to be sanded with one cut of medium paper, then one cut of fine paper and finished with a buff machine. Stop all nail holes, apply one coat of sealer and 3 coats of Polyurethane.

6. Building paper

To all exterior walls fix approved breather type building paper. All laps to be fixed horizontally to exterior face with minimum lap of 75mm.

7. Exterior linings

Ground floor. Fix 'montana' sheeting to makers specification.

1st floor. Fox 250mm ^{WEATHERSIDES} Fibroplanks and P.V.C. jointers to makers specification. Gable ends to be sheathed in 'montana' sheeting.

8. Exterior Joinery

All exterior window frames and sashes to be bronze anodised aluminium. Timber scribes to be fitted to all windows. Windows to be fitted hard up to soffit lining and quadrant used to finish head. Exterior doors to be as for windows, opening out. Garage doors to be 2700 roller type.

9. Interior joinery

Door frames: Interior frames to be either ex 40mm solid rebated or ex 25mm with planted stops, minimum size 32x25.

Doors. Interior doors to be hollow flush with clashing strips to 2 edges. Sizes shown on plan.

1. Hardware

Allow the P.C. sum of \$200 for the supply of hardware to be selected by the owner. Builder to allow for the supply and fixing of same.

2. Hinges

Interior doors. To be hung with 1½ pr 89 AC butts, split pin.

3. Mouldings

Skirting. ex 75 bull nose, radiata, in long lengths.

Architraves. ex 75 bull nose

Ceiling. Scotia, finish 23mm

shelving. ex 25mm

quadrant. 20mm and 12mm

4. Interior linings

Wall linings. Gib board (10mm) fixed with 32 flat head galv nails. Edges to be nailed at 225mm and at 300mm on intermediate studs/nogs. Dining area to be lined with verticle boarding (shiplap or similar) and left in a surface suitable for staining.

Ceilings to be Pinex sheets with P.V.C. jointers.

Formicia to be used in shower boxes.

5. Wardrobes

To be lined, walls and ceiling to match room. Provide full width shelving at 1650 and 25mm galv pipe rail 100mm below shelf.

6. Bath fitting

Frame in bath with 75x50 framing with toe space to floor.

7. Shaving cabinet

Provide and fit shaving cabinet same width as vanity with mirror on outside of doors.

8. Shower box

Build in shower base and fir selected base. Fit selected linings with P.V.C. mouldings. Provide and fit soap holders (2 in each unit). Provide curtain rail to each unit.

9. Laundry tub

Build in laundry tub as selected by owner. Unit under tub to have 1 shelf. Door to be flush hung on 1 pr A.C. butts.

10. Meter box

Trim and finish for meter box as required by electrician.

11. Manhole

Provide and fix 500x500 man hole in ceiling where directed.

1. Phone connection

Builder is to arrange with P. & T. Dept to complete all necessary phone wiring before wall lining and ceiling linings are fixed. To be located where directed by owner. All P. & T. costs are to be paid by owner separate to this contract.

2. Internal staircase

Construct and fix staircase where shown on drawings. Stringers shall be out of .45 D.A. Ht rimu housed as required to take treads and risers. Treads shall be out of .32 D.A. Ht rimu, rebated, wedged, screwed and glued, blocked with round nosings. Risers shall be out of 25 D.A. Ht rimu. Well to be built in and lined from floor to ceiling, with flush door fitted to top.

3. Insulation

Over floor joists supply and fix Sisalation 420 or similar, dished approx. 75mm between joists. All joints to be taped. To all exterior walls supply and fit building paper to outside. R11 Batts to all exterior walls, Fit R14 Batts to ceiling between trusses with Sisalation 420 (or similar) between bottom of trusses and ceiling battens. Joints to be taped.

4. Internal doors.

All internal doors to be Mahogany.

5. Heating

Supply and fit 'Warmair' or similar in dining room as shown, to maker's specifications. To be connected to hot water cylinder with wet back. ✓

6. Interior Joinery

Supply and fit Formica sink bench with 300mm back.
Supply and fit buffet unit and over cupboard where shown.
Supply and fit bench unit where shown.
All units to have Formica tops to be chosen by owner.
Bathroom to have vanity, formica top.

7. Linen cupboard

To be lined full height. Fit 20mm slatted shelves at approx. 300mm c/c

Roofer1. Corrugated Iron

Over 75x50 purlins stretch and clout 50 galv. wire netting, standard building paper with laps of 75mm fixed securely to purlins with large headed galv. clouts.

Cover the entire roof with 50 galv. iron long run corrugated roofing, to have side laps of $1\frac{1}{2}$ corrugations. All end, side laps, under barge and ridging to be painted with an approved priming paint prior to fixing. Ridging shall be 450 lead edged galv. iron.

2. Fixing

To be fixed with lead head nails as follows:

Ridge. every second corrugation and all laps.

Sheets. every lap, with 3 between.

End. every 2nd corrugation and all laps

barge. 2 nails to each purlin.

Plumber1. Flashing

Provide and fix all flashings to make house waterproof. (includes flashing for chimney.) Provide flashings for external doors and windows.

2. Spouting/downpipes

Spouting and downpipes to be Marley or similar P.V.C. fixed to maker's specifications. Downpipes to be connected to precast tank to provide water for household use. (tank to be supplied by owner)

3. Cold water supply

Connect up mains from tank in 20 galv. pipe or approved to first branch under floor. Pipe to be taken at least 300 mm below ground. If under a carriageway, this pipe to be at least 450mm below ground. Lead off in 20 pvc pipe to bath and 12 pvc to sink, handbasin, shower and laundry. W.C. and 2 standpipes from secondary supply. Connect from branch to pressure reducing valve and H.W. cylinder with 20 diam copper pipe. Fit stop taps to control the supply to all outlets.

*above
wet back
height*

4. Hot water supply

Provide and fit an approved 50 gallon electric hot water cylinder with element, controls and all necessary connections to make same in working order. Lay water in 20 diam copper piping to bath and 12 dia copper branches to sink, handbasin, shower and laundry tub. All hot water piping to be lagged. Provide adequate pressure valve and check valve to services. Check valve to be installed on the mains side of the gate valve at the inlet to the cylinder.

5. Provide and connect 1680 pressed steel bath. (white)

6. Shower trays

Provide and connect 914 x 914 stainless trays.

7. Shower mixer

Supply and fit 'Topliss' shower mixer valve, complete with control tap and surround. Cold water supply to be 12 pvc pipe from between pressure reducing valve and hot water cylinder.

8. W.C.

To be supplied and installed complete with pan, P.V.C. seat and cover, buffers, 'Dux' 14 low set silent flush cistern, or similar.

1. Taps

All taps and faucets to be chrome plated streamlined bib and pillar cocks marked 'Hot' and 'Cold' respectively. Standpipe taps to be brass complete with hose connections.

2. Wastes

Bath, sink, shower and laundry tubs to have 3/8 wastes. Hand basin to have 3/2 waste. All wastes to be PVC complete with necessary cleaning eyes and antisiphon pipes. All to discharge over gully traps. ✓

3. Laundry

Provide and fix laundry tub. Make necessary provision for hot and cold water supply and drainage for washing machine.

Drainlayer1. Materials

Shall be the best of their respective kinds and shall be of a standard acceptable to the controlling sanitary authorities. All drains are to be laid at a consistent fall of not less than 1 in 40.

2. Workmanship

Shall be in accordance with the best trade practice executed by licensed tradesmen. Nothing in this specification is to be interpreted to mean anything forbidden by or of a lower standard than the requirements of the Regulations.

3. Septic tank

To be constructed as detailed. To be poured in one pour. Outfall to be by either level lateral trenches or by pits as required.

4. other wastes

To be disposed of in soak holes of at least 600 in diam. precast pits. Precast removable lids to be fitted.

5. Testing

On completion of the whole drainage system, tested and passed, leave ground in a tidy condition with all surplus excavated materials suitably disposed of.

Painter & Paperhanger1. Workmanship

The work shall be carried out by sound trade practises. Any one coat shall be completed and dry prior to the next being applied. It shall be the responsibility of the painter to ensure that all surfaces are in a suitable condition to enable a first class job. To this end he shall wash, dust or otherwise remove all dust etc remove imperfections by filling, sandpapering and the like as are necessary. No painting or other work shall be done on a damp surface. Care shall be taken to avoid spillages and adequate precautions shall be taken to protect the work. All splashes and other disfigurements shall be removed. All locks and fittings to be removed prior to commencement and replaced on completion.

2. Primers

All priming coats shall be brush applied.

3. Putty

Putty shall be tinted to match timber where stained and shall be applied after the sealing or 1st coat.

4. Paint coats

All coats shall be applied according to the makers specifications. Coats shall be thinned only if necessary in strict accordance with the makers recommendations.

5. Colour

Contractor shall allow for a selection of colours from a standard range. Any colour requiring special mixing will be considered as an extra charge. The tints of undercoats will approximate those of the finishing colour, but each coat shall vary in colour sufficiently to guarantee coverage.

6. Exterior work

Prime all exterior timbers with approved primer, prior to fixing in place. Shall be well brushed into wood, completely covering same. Putty all defects and nail holes, apply 1 coat of quality undercoat and finish with 1 coat of 1st grade high gloss in colour selected by owner.

Terrace timbers to be stained with Gold-x NF 11 or similar in a colour as selected by owner.

1. Interior work

Owner to select all finishing colours. All interior timber to have 1 coat primer, one coat of tinted 1st grade undercoat and one coat of 1st grade of high gloss. All ceilings to be high gloss enamel. Doors to have 2 coats of Satin clear varnish. Dining room to have 2 coats of Satin clear varnish. All skirting and architrave to be painted.

2. Wallpaper

Allow the sum of \$5 per roll for supply only of wallpaper as selected by owner. Paperhanger to allow for delivery and fixing of same. Walls to be papered are to receive 1 coat of sealer. Papers to be hung plumb in single lengths and butt jointed.

3. Roof

Galvanised surfaces to be etched and washed down thoroughly. Primer coat followed by 2 coats of an approved roofing paint to be applied.

4. Exterior walls

All exterior walls to be cleaned down thoroughly. 2 coats of a semi-gloss 'waterbased' paint to be applied, owner to select colour.

Schedule of finishes.

room	lining	finish	timber	door	ceiling finish
lounge	gib	paper	paint	stain	paint
dining	timber	stain	paint	stain	paint
kit.	gib	paper	paint		paint
bed rms	gib	paper	paint	stain	paint
laundry	gib	paper	paint	paint	
bath	formicia		paint	paint	paint
W.C.	gib	paper	paint	stain	paint
stairs	gib	paper	paint		
wardrobes	gib	paint	paint	stain	paint.

Electrician1. General

All installations shall be made in accordance with the Wiring Regulation 1961 and to the approval of the local Power Board. Electrician will make the necessary notification of the said Power Board, prior to any work for this contract. Provide and fix all materials necessary for the installation of the contract. Provide 100 & 60 watt lamps. All switches and plugs to be flush type.

2. Workmanship.

All work must be executed by a licensed tradesman. All work to be concealed from view where possible. All work shall be protected from weather and damage during the progress of the work. All cutting, drilling fitting ect shall be done without damage to structural or finished work. All drawin boxes, inspection elbows and tees shall be so located that all conductors can be drawn from point to point after the conduit is in position without damaging the insulation or the conductors.

3. Meter and switch Board Cabinets

Provide and install where directed, hinged, flush, recessed type approved type switch and meter board cabinets of suitable size and set at the required height. Hinge boards, and set into walls, recess in wooden walls to be lined with fire resistant material. Each item on the boards shall be clearly labelled or sign written.

4. Flush boxes and plates

Flush boxes shall be backed by dwangs and fitted flush with the finished surface of the wall. Use multi gang plates where switches or sockets are grouped.

5. Switches and sockets

Switches may be either tumbler or rocker type, fixed at 1350 from floor. Socket outlets shall be 10 amp located 300 above floor in all main rooms, 1050 above floor in kitchen and laundry, or where directed. All sockets must be provided with switches in a combined flush plate.

6. Range

To be supplied by owner. Fix in position with approved isolating switch.

1. Water heating

Provide water heating circuit with control switch. Provide an approved make of heating element and thermostat for fitting by plumber.

2. Testing

Carry out all testing as required by the Electrical Wiring Regulations and make ready for inspection by the Electrical supply authority's inspector.

3. Light and power points

room	light	points	
kit.	1	3	
dine.	2	3	
toilets	1		
laundry	1	2	
bath	1		
bed 1	2	2	
bed 2	1	1	
bed 3	1	1	
hall	2	1	
lounge	3	2	(1 wall light)
stairs	1		(2 way switch)
garage	4	2	
stores	3	3	(as directed by owner)

Glazier1. Workmanship*ALL GLAZING TO 1100 D.W.P*

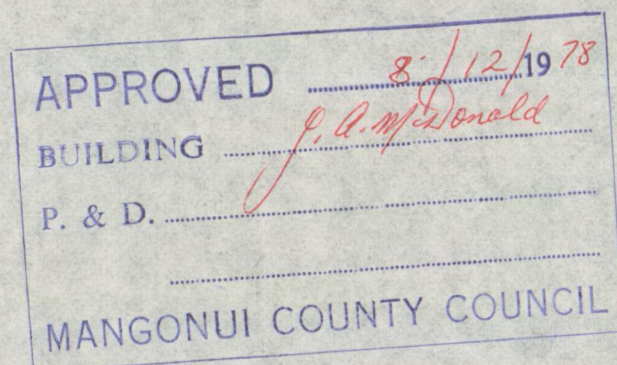
All glass shall be cut to fit rebates with due allowance for expansion.

2. Obscure

All obscure shall be 'Maya' or as selected by owner.

3. General

All glazing shall be to 1100 D.W.P. All glass shall be without blemish or discoloured. Rippled glass will be replaced.



Asst. No. 85/379

[illegible]