

B007200
APPLICATION FOR BUILDING PERMIT

Wanganui City Council

Date : 1 / 9 / 83

THE CITY ENGINEER,

DEAR SIR,

I hereby apply for a Building Permit to erect / ~~demolish~~ Alteration to Dwelling

Basement

according to site plan and detailed plans, elevation, cross sections and specifications of building deposited herewith, in duplicate.

OWNER	
Name	<u>G. M. Field.</u>
Address	<u>34 Treadwell St.</u>
	<u>Wanganui</u>
Phone	<u>55355 (Mrs. Field)</u>

BUILDER	
Name	<u>Owner</u>
Mailing Address	
	Ph: _____
PLUMBER	
Mailing Address	
	Ph: _____

PROPERTY ON WHICH BUILDING IS TO BE ERECTED/DEMOLISHED

SITE	
Street No	<u>34</u>
Street Name	<u>Treadwell St.</u>
Town / District	<u>Wanganui</u>

LEGAL DESCRIPTION	
Valuation Roll No	<u>140/098/14</u>
Lot	<u>45</u>
D.P.	<u>50835</u>
Section	
Block	
Survey District	

DESCRIPTION OF PROPOSED WORK AND MAIN PURPOSE OF USE

Alter Dwelling Basement to Garage.

FLOOR AREA		DWELLING UNITS	
Whole Sq. Metres	<u>NC</u>	Number Erected	

ESTIMATED VALUES			
	Building	<u>1200</u>	<u>00</u>
\$	Plumb & Drain (Labour)		
	TOTAL	<u>1200</u>	<u>00</u>

NATURE OF PERMIT (TICK BOX)	
☐	NEW BUILDING -include dwelling added, exclude domestic garages
☐	FOUNDATIONS ONLY
☒	ALTERED, REPAIRED, EXTENDED -include conversions and domestic garages
☐	NEW CONSTRUCTION OTHER THAN BUILDINGS -include demolitions

FEES APPLICABLE			
BUILDING PERMIT	\$ <u>12.00</u>	RCPT.	<u>25579</u>
PLUMBING PERMIT (No.)	\$ _____	RCPT.	_____
PREPAID CROSSING <u>EXIST.</u>	\$ _____	P.W.R.	<u>-</u>
PREPAID SEWER CONNECTION	\$ _____	P.W.R.	_____
PREPAID WATER CONNECTION	\$ <u>Exst.</u>	P.W.R.	_____
STORMWATER CONNECTION	<u>AT COST</u>	P.W.R.	_____
BUILDERS DEPOSIT	\$ _____	RCPT.	_____
TOTAL COUNCIL FEES	\$ <u>12.00</u>	RCPT.	_____
BUILDING RESEARCH LEVY	\$ _____		
TOTAL FEES	\$ <u>12.00</u>		

COMMERCIAL BUILDINGS	
IF VALUED AT MORE THAN \$60,000 :	
Estimated Commencing Date	
" Completion "	
Building Projects Authority No.	
Predominant Activity of owner :	
APPLICANTS SIGNATURE : <u>G. M. Field</u>	

PERMIT MAY BE ISSUED SUBJECT TO THE FOLLOWING CONDITIONS :

140/098/14

34, Inadwell St.

LOT 45. DP 50835

GM. GM FIFIELD.

BUILDING PERMIT APPLICATION CHECK SHEET

Application for : garage in BasementDATE 2/9/83Address : 34 Treadwell StLot No 45 DP 50835 Sect

Notes : _____

DATE	DEPARTMENT	13 SEP 1983	REMARKS
2/9/83	Town Planning	Refer Attached Check Sheet _____ Approved _____ Date <u>5/9/83</u>	<u>P.</u>
08/09	Building Inspector	Values on Application _____ Ground Levels & Foundations _____ Materials _____ Construction _____ Bracing (3604) _____ Heating Appliances _____ Public & Commercial Buildings _____ Access for Handicapped _____ Chapter 5 Egress etc (Check Sheet Yes/No) _____ Approved _____ Date <u>8/9/83</u>	
06/09	Drainage Engineer	SS Connection & Fee <u>N/A</u> _____ Approved _____ Date <u>7/9/83</u> SW Connection & Fee <u>N/A</u> _____ Approved _____ Date <u>7/9/83</u>	
06/09	Water Engineer	Water Connection & Fee <u>Existing</u> , <u>No Fee</u> _____ Approved <u>2/9/83</u> Date <u>6-9-83</u>	
06/09	Structural Engineer	Structural Drawings & Calculations _____ Approved <u>6/09</u> Date _____	
08/09	Health Department	Value _____ Plumbing & Drainage Requirements _____ SW Requirements _____ General Requirements _____ Health & Food Regulations etc _____ _____ Requirements _____ Approved <u>8/9</u> Date <u>9/9</u>	

GENERAL REMARKS

TOWN PLANNING

BUILDING INSPECTOR

DRAINAGE ENGINEER

WATER ENGINEER

STRUCTURAL ENGINEER

HEALTH DEPARTMENT

BUILDING PERMIT CHECK LIST

Property Reference: 34 TREADWELL ST.

Type of Building: OUTBUILDING

Net Site Area

826m²

Zoning

R2

Reserves

REQUIREMENTS		REQUIRED	PROVIDED	O.K.
1.	Coverage	$35 \times 936 = 289m^2$ <u>327</u>	<u>176m²</u>	✓
2.	Density			—
3.	Height		<u>2.4 m</u>	
4.	Front yard (including beautification)			—
5.	Side yards			✓
6.	Rear yards		<u>< 7.5 m</u>	✓
7.	Outdoor living space			✓
8.	Storage area			✓
9.	Service area			✓
10.	Car spaces			✓
11.	Vehicular access			✓
12.	Loading Bay/Crossings/ Distance from intersection			✓
13.	Trees/Historic Places			—
14.	Proposed road/service lane			—
15.	Road widening & BLR			✓
16.	Easements/Site Dimensions			✓
17.	Floor area ratio			—
18.	View Protection Plane			—
19.	Sunlight Protection Plane			—
20.	Services			—

Design Approval Required Yes/No

Date:.....

Dispensation Required in Respect of Nos:.....

Dispensation Approved/Declined

Span = 6m off width 5m.

$$DL = 0.5 \text{ kPa}$$

$$LL = \frac{2.0 \text{ kPa}}{2.5 \text{ kPa}}$$

$$\text{Allow Roof} = \frac{0.5}{3.0 \text{ kPa}}$$

Note roof trusses should not impose load on floor as clear span theoretically.

Existing beams include one 300 x 50 spanning clear distance.

$$\text{Add } 2 - 300 \times 50 \text{ R.S.}$$

$$+ 2 - 250 \times 3 \text{ plates}$$

$$E_{\text{timber}} = 8.0 \times 10^3 \text{ N/mm}^2$$

$$E_{\text{steel}} = 201.5 \times 10^3 \text{ N/mm}^2$$

$$\frac{E_s}{E_{\text{timber}}} = \frac{201.5 \times 10^3}{8 \times 10^3} = 25$$

∴ effective beam

$$I_{\text{timber}} = \frac{3 \times 50 \times 300^3}{12} = 337.5 \times 10^6$$

$$I_{\text{steel}} = \frac{2 \times 3 \times \frac{250^3}{12} \times 25}{12} = \frac{195 \times 10^6}{532.5 \times 10^6}$$

$$M = \frac{3.0 \times 5}{2} \times \frac{6^2}{8} = 33.7 \text{ kNm}$$

$$2 \text{ timber} = \frac{532.5 \times 10^6}{150} = 3.55 \times 10^6$$

$$\frac{d/y}{I} \quad 2 \text{ steel} = \frac{532.5 \times 10^6}{125} = 4.26 \times 10^6$$

$$\therefore f_{\text{timber}} = \frac{33.7 \times 10^3}{3.55 \times 10^3} = 9.49 \text{ ton hi}$$

$$f_{\text{steel}} = \frac{33.7 \times 10^3}{4.26 \times 10^3} = 7.9 \text{ N/mm}^2 \times 25 = 197.4 \text{ N/mm}^2 \text{ too hi}$$

Try 2 - 250 x 6 plates

$$I_{\text{steel}} = 195 \times 10^6 \times 2 = 390 \times 10^6$$

$$\text{Total } I = 727.5 \times 10^6$$

$$\therefore 2 \text{ timber} = \frac{727.5 \times 10^6}{150} = 4.85 \times 10^6$$

$$2 \text{ steel} = \frac{727.5 \times 10^6}{125} = 5.82 \times 10^6$$

$$\therefore f_{\text{timber}} = \frac{33.7 \times 10^3}{4.85 \times 10^3} = 6.95 \text{ N/mm}^2$$

Note // support factor

$$K_s = 1 + (N20 - 1) \left(1 - \frac{2 \times 50}{1000} \right)$$

$$= 1.196$$

∴ stress in timber ok.

$$\text{strain in steel} = \frac{38.7 \times 10^3}{5.82 \times 10^3} = \frac{5.79 \times 25}{1000} = 146 \text{ N/mm}^2$$

OK

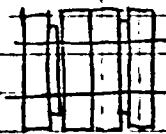
Bolting - steel carries $\frac{390}{727.5} = 53.6\%$ of load.

∴ carries $\frac{53.6}{100} \times \frac{3 \times 5}{2} = 2.01 \text{ kN/m}$.

assume 16mm ϕ bolts

Timber can carry $1.38 \text{ kN} \times 3 = 4.14 \text{ kN/bolt}$
if 12mm ϕ bolts can carry $1.03 \times 3 = 3.09 \text{ kN/bolt}$
∴ provide 4 - M12 bolts at ends
 $4 \times 3 = 12 \text{ kN}$

Then 2 - M12 bolts at 2m c/c
bolts ok for $2 \times 3 = 6 \text{ kN}$
require $2 \times 2 = 4 \text{ kN}$ OK



Lamont Bycroft & Partners

Architects Engineers & Valuers
162 Wicksteed Street
Wanganui Phone 53959

Client: G. F. field

Subject: House
Treadwell st

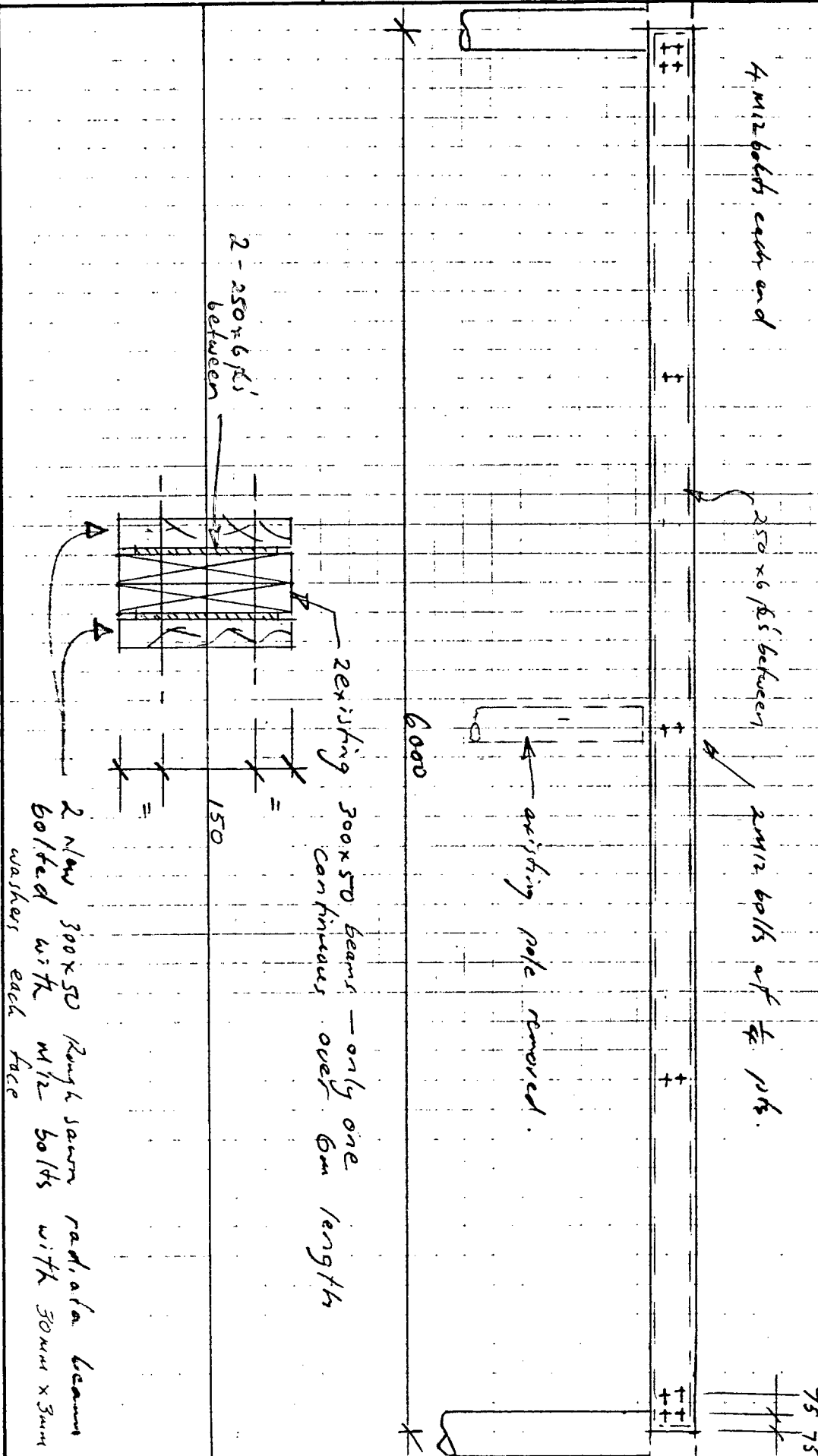
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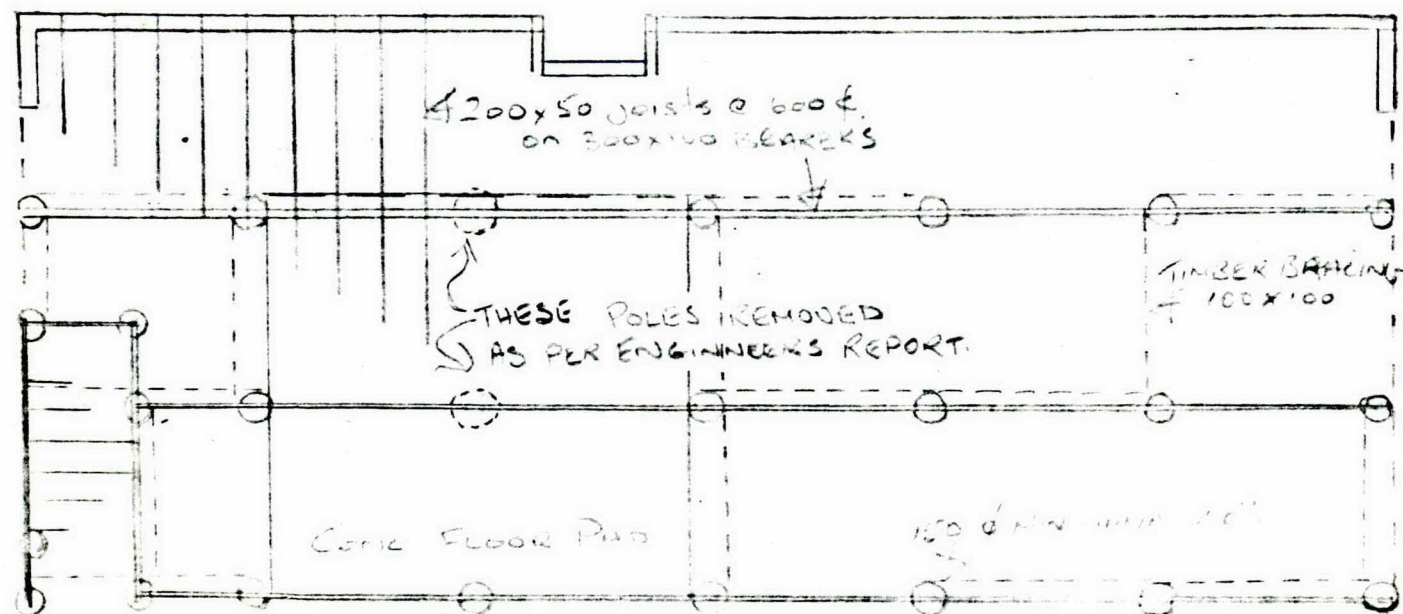
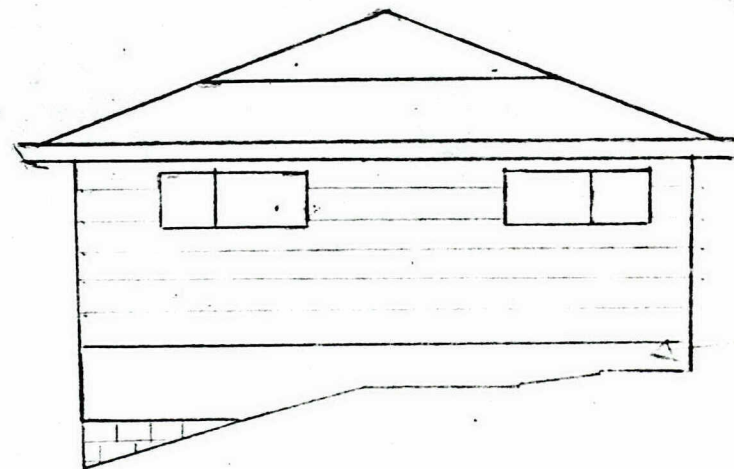
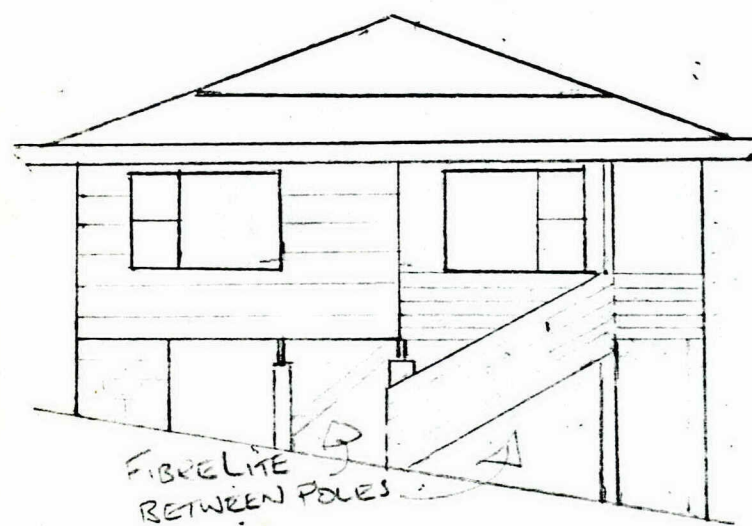
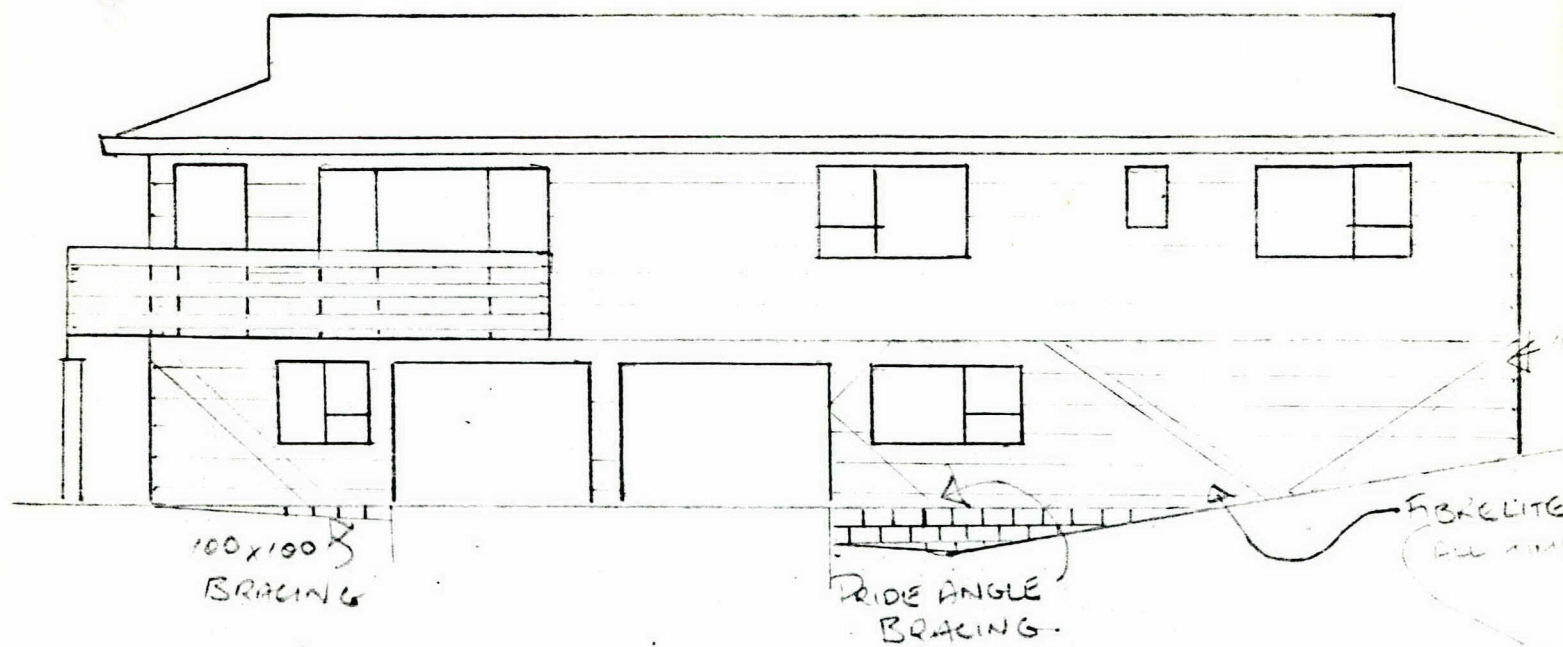
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3.

Date

By





RESIDENCE OF G.M. FIELD 34 THOMSON
 REMOVAL OF TWO POLES FOR GARAGE AREA + BRACING IN
 AROUND EXISTING POLES IN FIBRELITE

Inspector: M _____

File No. _____

Receipt No. **25579**

Date Permit Issued **28/ 9 / 83**

OWNER	
Name	G.M. FIFIELD
Mailing Address	34 TREADWELL STREET
	WANGANUI

BUILDER	
Name	AS OWNER
Mailing Address	

PROPERTY ON WHICH BUILDING IS TO BE ERECTED/DEMOLISHED

SITE	
Street No.	AS ABOVE
Street Name	
Town/District	
Riding	

LEGAL DESCRIPTION	
Valuation Roll No.	140/098/14
Lot	45
D.P.	50835
Section	
Block	
Survey District	

DESCRIPTION OF PROPOSED WORK AND MAIN PURPOSE OF USE

ALTER DWELLING BASEMENT TO GARAGE

FLOOR AREA		DWELLING UNITS	
Whole Sq. Metres	N/C	Number Erected	

ESTIMATED VALUES \$		
	Building	
Plumbing		
Drainage		
TOTAL	1,200	

NATURE OF PERMIT (TICK BOX)	
☐	NEW BUILDING - include dwelling added, exclude domestic garages
☐	FOUNDATIONS ONLY
☒	ALTERED, REPAIRED, EXTENDED - include conversions and resited buildings
☐	NEW CONSTRUCTION OTHER THAN BUILDINGS - include demolitions
☐	DOMESTIC GARAGES AND DOMESTIC OUTBUILDINGS

FEES APPLICABLE

Building Permit	\$ 12	Water Connection	\$	Receipt No. _____ Date of Payment _____ / _____ / _____ Authorised Officer CITY ENGINEER
Street Damage Deposit	\$	Vehicle Crossing Levy	\$	
Building Research Levy	\$	M.S. Plumbing	\$	
Plumbing	\$		\$	
Drainage	\$		\$	
Sewer Connection	\$		\$	
TOTAL:			\$	

Special Conditions: **NIL**

W. J. O'Brien
CHIEF BUILDING INSPECTOR

Date Inspected	REMARKS (e.g. stage reached with work)
13. 17. 83	Some progress
11. 2. 85	Completed

Date Inspected

COMPLETED (Signature) _____ Date / /

WANGANUI CITY COUNCILBUILDING PERMIT

34 TREADWELL STREET Lot 45 D.P. 50835 Section _____ Blk. _____

Owner: G.M. FIFIELD

Footway No.:

Builder: OWNER

Valuation No.: 13140/098/14

Type of Work: GARAGE

Permit No.: A 74496

Value: \$1300

INSPECTIONS

Date: 31.1.83

DATE

19.83 Not Started

17.9.83 " "

11.3.83 Cancelled See 5007700

87.789

DATE _____

[illegible]

VALUATION ROLL No.

LEGAL DESCRIPTION

5272

14/98/14

Lot 45 Dr ~~Pa 50835~~ 50835

34 Treadwell St.,

DRAINAGE & PLUMBING PERMITS

BUILDING PERMITS

Existing Use

Permit No.

Date

Permit No.

Date

Nature of Work

4003

12.7.82

A 32322 ✓

20.7.82

DWELLING & ~~CARPORT~~

A 74496 ✓

31.1.83

GARAGE

B 007200 ✓

28.9.83

ALTER DWELLING BASEMENT

S129

10.3.93

~~GARAGE~~
Add + Alt Dwelling

J52950 ✓

13.11.91

ADD CONSERVATORY

J62154 ✓

27.11.91

EXTEND DINING RM

Designation

Zoning

Middsize Section

Building Line Restriction

Proposed Street

Proposed Service Lane

Proposed Access Way

Conditional Use

File:

Specified Departure

File:

Dispensations

Reference

Date

Dangerous
Goods Licence

Fill Points

Housing File No.

Underground Tank

Type

Capacity
gals

Water Connection

Reg. No. *

Amt. Paid.

EXIST

Water Meter

Water Bore

Drainage Connection

Reg. No.

Amt. Pd.

EXIST

Pool

Filtered

Unfiltered

Back Flow
PreventerStormwater
Connection

Reg. No.

Amt. Pd.

EXIST

Heating

Gas

Oil-fired

Coal-
Wood

Electric

Other

Kerb Crossing

Reg. No.

Amt. Pd.

EXIST

Processed 13/1/91

Processed 3/12/91

Subdivision Conditions	Yes	Easements	See above
	No		None

SCALE: