

APPLICATION FOR BUILDING PERMIT

Wanganui City Council

RE *hm*
Date: 8 / 8 / 74

THE CITY ENGINEER,

DEAR SIR,



I hereby apply for a Building Permit to erect/demolish a dwelling

according to locality plan and detailed plans, elevation, cross sections and specifications of building deposited herewith, in duplicate at:

Street: 14a Brussey Rd Val. No.: 1318-435-1
Lot: 1 D.P. N.E.W. Section: Block:

Owner--Name: R. S. Brown
Address: St. Hackett motors
Builder--Name: NIGHT CONSTRUCTION
Address: 14 TOWER CR

NATURE OF PERMIT (tick box)

New building including separate buildings added to existing complex Repairs, alterations or extensions to an existing building Conversion Demolition

DESCRIPTION OF BUILDING OR STRUCTURE AND MAIN PURPOSE FOR WHICH IT WILL BE USED:

Dwelling & Garage

ESTIMATED VALUE:

Building	\$ 28600.00
Plumbing & Drainage	\$ 1400.00
No 1457 TOTAL	\$ 30,000.00

If valued at more than \$20,000 state:		Total floor area (sq ft)
Estimated commencement date:	Mth. 19	1685
Estimated completion date:	Mth. 19	869
Building registration No.	<u>41699</u>	

Name of Plumber: _____

Building Fee	\$ 72.00	Rec. 16930
Plumbing & Drainage Fee	\$ 12.00	Rec. 16930
Water Connection	\$ 30.00	PWR 23590
Drain Connection	\$ 60.00	PWR 13775
Stormwater Connection	\$	PWR
Crossing Fee	\$ 22	PWR 47
Footpath Damage Deposit	\$ 10.00	Rec. 16930
TOTAL CITY COUNCIL FEES	\$ 184.00	
Building Research Levy	\$ 15.00	Rec. 16930
TOTAL	\$ 199.00	

Signature: R. Cheng

INFORMATION REQUIRED BY DEPARTMENT OF STATISTICS

A. TYPE OF BUILDING OR STRUCTURE--

Type Code (See back of form for instructions)

(a) Newly built, altered, repaired, extended, or demolished

01

(b) Converted--

from Type Code to Type Code

B. DWELLING UNITS GAINED OR LOST--

Gained Number 1 Lost Number

C. IS BUILDING TO BE RENTED OR LEASED?
(Tick appropriate box.)

Yes No

D. SCOPE OF PERMIT--(Tick box)

Complete building including foundations Foundations only Building only, foundations covered by previous

APPROVAL FOR ISSUE OF BUILDING PERMIT

Date of Application: 8 = 8 = 74

Application for: Erect a dwelling

Owner: B. A. Brown Lot No: 1 D.P. 145 Sec: _____

Builder: Night Const. Co. Locality: 14A Brassey Rd

Plumber: _____

	Not Applicable	Satisfactory Provision Made	Date	Amount of Fee Where Applicable
BUILDING INSPECTOR				
1. Values on Application:		13/8		
2. Builder's Footway Deposit:		5/9		
3. Material of Construction:				
4. Ground levels and foundations:				
5. Requirements for Public Bldgs, Factories etc.				
6. Description of use of Building on Application:				
7. General Construction - Dwg etc.				
8. Chimneys, Heating appliances flues:				
9. Means of Egress Code:				
10. Temporary Hoardings on footpath:				
11. Crossing Fee:				
APPROVED BUILDING INSPECTOR:				
HEALTH INSPECTOR				
12. Plumbing & Drainage requirements and fees:				
13. Stormwater drainage requirements:				
14. Water connection requirements and fees:				
15. Health & Food Acts & Regs. etc.				
16. Storage of Dangerous Goods, fuel, oil, etc.				
17. General requirements:				
18. Value on application, drainage:				
APPROVED SANITARY INSPECTOR:				
DRAINAGE ENGINEER				
19. Sewer connection requirements & Fee				
20. Stormwater connection requirements & Fee				
APPROVED DRAINAGE INSPECTOR:				
DESIGNING ENGINEER				
21. Structural calculations:				
APPROVED DESIGNING ENGINEER				
TOWN PLANNING				
22. Zoning, coverage, siting, height:				
23. Proposed roads & service lanes:				
24. Road widenings & B.L. restrict.				
25. Vehicles; loading, parking, crossings:				
26. General requirements (easements etc)				
APPROVED TOWN PLANNER:				

Permit may be issued subject to the following conditions: _____

GENERAL REMARKS

BUILDING INSPECTOR:

- ① Provide for aggregate under 2nd & Hall floor.
- ② Specification mentions Engineer's Drawing which we do not have.
- ③ Do these cover such things as:
(a) Retaining wall (b) R.S.J. (c) Beam and garage door
- ④ Other blockwork to have $\frac{1}{2}$ " on 12×8 Footing

HEALTH INSPECTOR:

DRAINAGE ENGINEER:

DESIGNING ENGINEER:

TOWN PLANNING:

- ~~① 12' rear yard should be 25' - existing necessary.~~
- ② rear yard should be 25' - existing necessary.
- ef

1/4 Brasseur Road,
Wanganui.
2.8.74.

The Chief Building Inspector,
Wanganui City Council,
Wanganui.

Dear Sir, In reference to
Mr. Graeme Brown's application
for a Building Permit for a
house to be erected on the area
of land he has bought from us,
I advise that we have no objection
to the house being built within
10 feet from the back boundary
of the new sub-division.

Yours faithfully,
L. Stewart.

WANGANUI CITY COUNCIL

TOWN PLANNING DEPARTMENT

Check Sheet for Building Permit Applications

N/A
O.K

Address: 14a Brassay Rd.

Zoning: Res A

Site Area: (506) 5446

Allowable Coverage: 1906

Actual Coverage: 1593

Front Yards: 25'

Side Yards: 8' & 12'5"

Rear Yards: 18'7

Height: 13'

Proposed Road: R.O.W. inc. in site

Proposed Service Lanes:

Road Widening and B.L. Restrictions:

Vehicles -

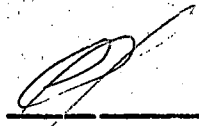
~~CARPORT~~ - ~~Parking~~: GARAGE.

Calculations:

1118
475

1593

SIGNED



DATE

13/8

2/6/2 LBG:ALB

19 August 1974

Messrs Wight Construction Ltd,
14 Tower Crescent,
WANGANUI.

Dear Sirs,

DWELLING - 14A BRASSEY ROAD

The plans and specifications for this work have been checked and the following items require your attention:-

- (1) Distance from rear boundary to be 25ft to site of proposed dwelling, therefore resiting will be necessary.
- (2) Specifications mention Engineers drawings. These do not appear to have been submitted with the application. The drawings and calculations should cover: Retaining wall, R.S.J. Beam over garage.
- (3) Blockwork other than retaining wall to have 2 $\frac{1}{2}$ " ϕ rebs on 12" x 8" footing.
- (4) Where floor slab is in contact with ground aggregate must be provided as per attached specifications in all areas other than garage.

Your plans and specifications are returned herewith for your amendments.

Yours faithfully,

L.R. Cowan
CHIEF BUILDING INSPECTOR

Encl.

SPECIFICATIONS OF MATERIALS TO BE USED & WORK TO BE DONE IN THE
ERECTION & COMPLETION OF A RESIDENCE BRASSY ROAD FOR R.G. BROWN ESQ

FEES.

The Builder will pay all fees.

FIRE INSURANCE.

The Builder will effect all necessary fire insurance and keep the building fully covered during construction.

WORKERS COMPENSATION.

The Builder will keep all employees covered as required by Law.

EXCAVATIONS.

Excavate for the basement area as required. Excavate all footings to a depth of 12" below ground level. When concrete block walls are erected backfill as required.

CONCRETE.

All shall be readmixed and composed of clean metal & sand, be well vibrated on pouring, & stand a test of 2500 lbs at 28 days. The basement concrete floor shall have a power float finish.

FOUNDATIONS.

All footings shall be 12" x 8". On top of all footings lay 8" concrete blocks, every 4th course and the top course being a bond beam. Fill all blocks with 2500lb concrete. Lay a 4" concrete floor on .005 Polythene to the complete basement area including the garage, hall & den. ~~Cast concrete patio as shown on Engineers drawings, Cast front porch & back porch & steps as shown. PROVIDE AGGREGATE AS CITY COUNCIL REQUIRES~~ Cast 8" x 8" x 8" piers as shown extending 12" above ground level, and extend with 4 x 3 timber to the underside of the joists.

SUB FLOOR FRAMING.

To the Garage, Hall & Den joists shall be 12" x 2" supported on concrete block walls and the R.S.J beam as shown. Piers will be extended with 4x3 to a 4x3 Sleeper under the sloping sub floor area. Brace with 4x2 as required. Floor joists to the area shall be 8x2. Frame up timber walls in 4x2 framing where shown to support the floor joists.

FLOOR.

To the complete area will be 12" x 3" sheets of Particle Board.

BOLTS

Cast 12" x 1/2" bolts into all foundation walls at 4' centres.

STEEL.

Place steel in the footing & Retaining walls to the garage as shown on the engineers drawings. All remaining footings shall have 2 x 1/2" rods ~~xxxx~~ and 1/2" vertical steel at 16" centres. 1x 3/8" rod shall be cast in each bond beam including the top row. Place .008 mesh in the garage floor.

EXTERIOR WALLS.

All basement walls will be concrete block finish. All framing will be covered with building paper. Sheath the walls to the Patio & Back Porch with Vertical boarding. Sheath all the remaining exterior walls with 16 x 4" split stone. All shall be held to framing using brick ties every fourth course. A 6x1 board will be placed over the head of all windows. The Gable ends will be sheathed with Hi line.

FACIA & SOFFIT.

Spout Facia will be 6x1 fixed in long straight lengths and Grooved along the back to take Hardiflex. The soffit will be approximately 24" wide from the frame line but may be varied slightly to allow full courses of tiles to be used. Soffit will be lined with 3/16 Hardiflex as well the porch ceiling. Verges will be approximately 18".

PLASTER.

Plaster 1 coat the Patio, Front porch & back porch & steps.

ROOF.

Supply & fix 2x1 1/2" battens on top of the ~~XXXX~~ Trusses. Supply & fix decromastic tiles to the roof as shown & fit purpose made ridge caps. All pipe penetrations will be flushed by the plumber. Fit purpose made barge covers to the barge boards.

WINDOW FRAMES.

All will be 8 lver Anodised Vantage Aluminium. Supply a Vantage Sliding door unit to the Dining room & Lounge where shown. Fit 6x1 1/2" grooved liners to all windows & doors. The front & back door frame will be timber.

INTERIOR WALL LININGS.

Wall linings throughout will be 1/2" thick Gibraltar Board. The builder will supply, fix & stop this board.

CEILINGS.

The ceilings throughout will be 1/2" thick Fibrous plaster. Fit Fibrous plaster cornice to the Lounge & Dining room. All remaining rooms will have a neat wooden cornice fitted.

ARCHITRAVES.

There will be no architraves. All doors & windows will be grooved to take the wall linings.

BATHROOM.

Build in a 5'6" bath. Build in a 4'0" vanity unit where shown. Line 18" high around and below the bath with formica wallboard. Build in a 12" soap recesso.

SHOWER ROOM.

Line the shower with selected Formica wallboard. Line remaining walls with Gibraltar board. Fit a 6" Soap recesso in the shower.

CHIMNEY.

Erect an 8" high concrete block base forming an ash pit. On top of this the builder will cast a slab. Erect a precast chimney. Erect fire back as required and allow the sum of \$ 150.00 for a fire surround & hearth to the owners approval.

PATIO HANDRAIL.

Allow the sum of \$150.00 for supply & erection of handrail to owners choice.

LOUNGE FEATURE WINDOW.

Allow the sum of \$ 90.00 for the supply & glazing of a feature window onto the stairwell to the owners approval.

SHELVING.

Fit 5 rows of slatted shelving to the linen cupboard. Fit 3 rows of slatted shelving to the Hot water cupboard. Fit 2 rows of shelves 12" wide in each wardrobe. A pipe will be fitted 4" under each shelf.

DOORS.

The Front door will be an 8 Panel Tasmanian Oak Solid panel.

The Back door will be a 4 panel glass 6'6" x 2'6".

The main interior doors will be Sapele Mahogany hung on 1 pair of 3" x 3" hinges.

The wardrobe & Linen cupboard doors will be Vantage Aluminium sliding 7'0" x 6'0". Silver anodised Sapele Mahogany finish.

Fit Exterior Locksets to the value of $\frac{1}{2}$ 12.00 each.

Fit Interior Latchsets to the value of $\frac{1}{2}$ 9.00 each.

No door will be fitted between Lounge & Dining room.

KITCHEN CUPBOARDS.

Allow the sum of $\$600.00$ for the supply of Kitchen cupboards as owners require. This includes a set of Louvre doors with cupboards above, Formica sink bench and formica bench tops.

Instal all above cupboards.

SCHEDULE OF TIMBERS.

Wall plates widthed to 3"	4x2	Tr.	Radiata.
Studs 8' long at 18" centres	4x2	"	"
Opening studs	4x3	"	"
Dwangs 2 rows to each wall	4x2	"	"
Ceiling infill oists at 18" centres	4x2	"	"
CARTER Type trusses at 3'0" centres	4x2	"	"
Ceiling runners over trusses	4x2	"	"
Purlins at approximately 14 $\frac{1}{2}$ " centres	2x1 $\frac{1}{2}$ "	"	"
Opening trimmers 6, 8, & 10x2 as above required.			
Soffit framing	3x1 $\frac{1}{2}$ "	"	"

All trimmers will be checked into studs.

All framing will be braced and strutted wherever necessary to ensure a first class job. Dampcourse will be placed between all timber & concrete.

Basement framing will be only as required to support floor joists.

FLOOR SANDING.

Sand all floors with Medium paper at completion of job.

ELECTRICIAN.

LIGHTS.

Allow for a total of 22 lights.

HEAT POINTS.

Allow for a total of 11 single heat points.

Allow for a total of 3 double heat points.

Allow in addition a point for the Hot Water cylinder.

STOVE.

Allow the P.C. Sum of \$ 275.00 for purchase of electric range.
Wire for and instal this range.

Hot Water.

Supply & Instal a 1500 watt element & Thermostat for the hot water cylinder.

Main & Switchboard.

Erect switchboard in Basement area & place in such a position that the Meters may be read from the outside. Run underground main from the street to the nearest pole.

Two Way SWITCHING.

Allow for 4 sets of 2 way switching.

The whole instalation will be carried out by licenced wireman, be complete in every respect, with the usual flush switches, power points and lamps of the usual power.

SHAVER POINT.

Wire for and instal a shaver point in the bathroom.

PAINTER.

EXTERIOR.

Any exterior woodwork will receive 1 coat of priming, all defects stopped be well sanded down, then 1 undercoat, and finished in a final coat of high gloss enamel. The flat fibrolite on the soffits will receive 2 coats of Acrylic paint. All exterior stone walls will receive will receive 2 coats of acrylic paint. Eave will be treated similar to walls. Paint gables 2 coats.

INTERIOR.

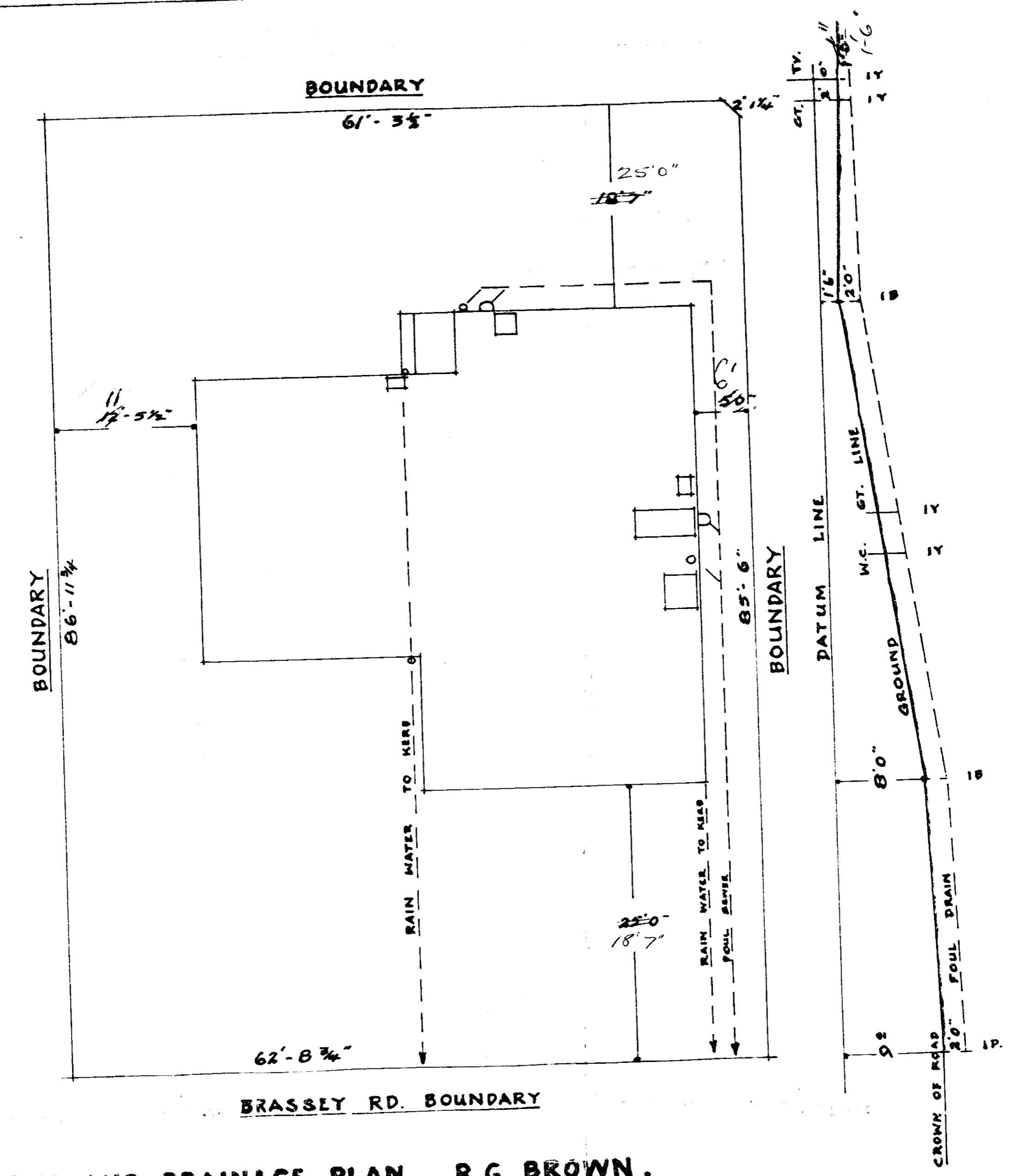
All woodwork in the Kitchen, Laundry, Bath, & W.C. will be primed, undercoated and finished in enamel. All window reveals will be painted 3 coats and finished in Hi gloss. All remaining door & woodwork will receive 3 coats of Varnish, the final being semi-gloss. This includes the kitchen fittings. The builder will stop Gibraltar board throughout. The entrance foyer will be treated as above. Ceilings will receive 2 coats of Alkyd flat paint.

INTERIOR WALLS.

Seal all gibraltar board throughout.
Paint the W.C. walls a total of 3 coats.
Paper the kitchen, bathroom & Laundry with Fabrene paper to the value of / 7.00 per roll.
Paper all remaining rooms ~~with~~ including wardrobes with paper to the average value of /3.00 per roll.

GENERAL.

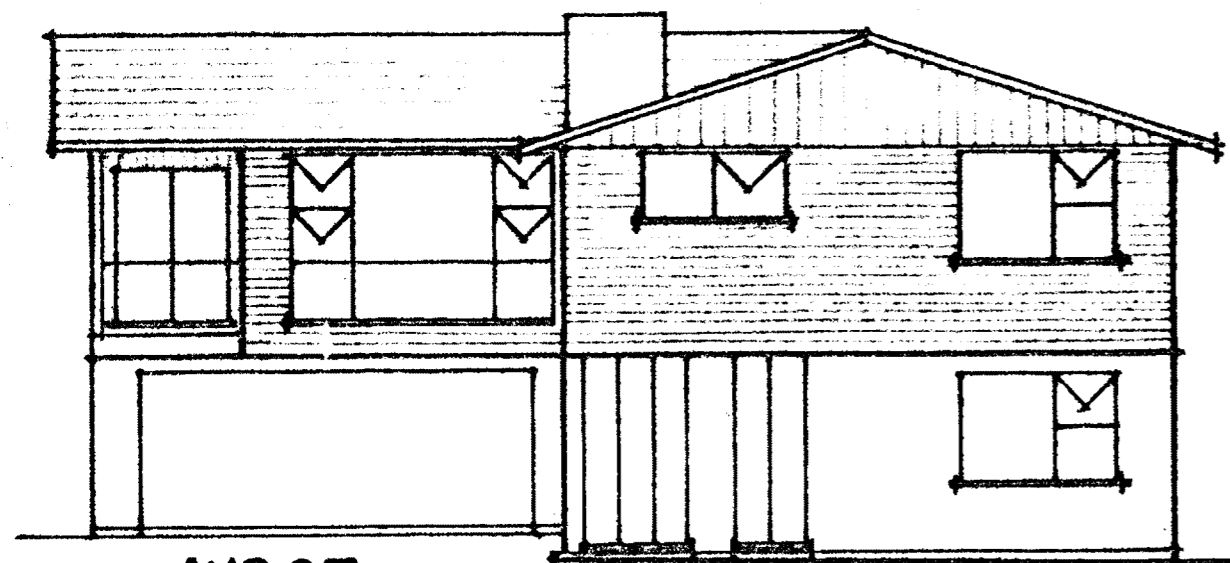
All exposed pipes will be treated as exposed woodwork.
On completion all glass will be thoroughly cleaned inside & out.
The taps, bath, basin, tub, shower floor and Kitchen sink will have all paint spots removed and be left broom clean.
Clean all paint off Aluminium windows.



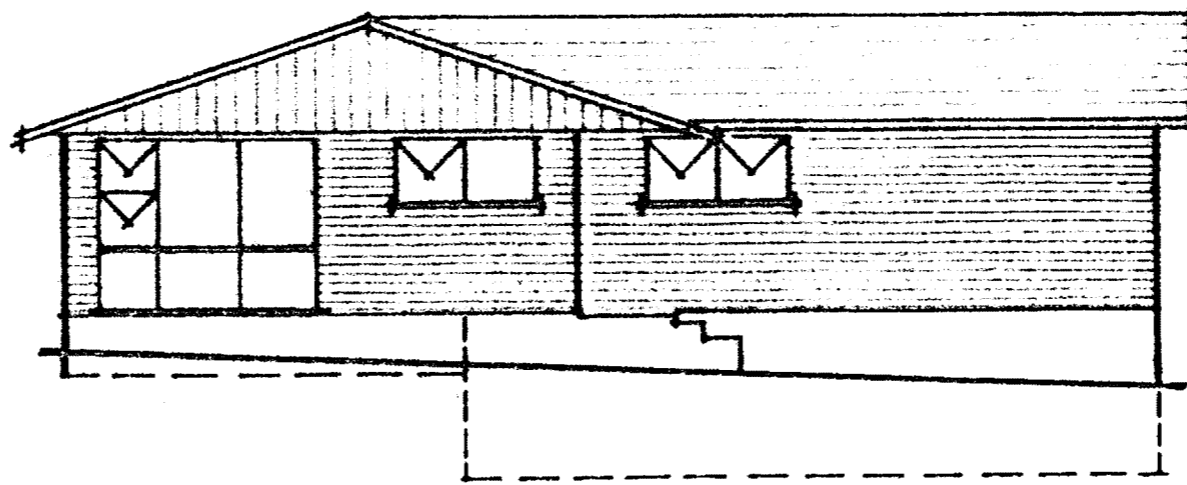
SITE AND DRAINAGE PLAN R.G. BROWN.

SCALE 1/8" TO 1 FOOT

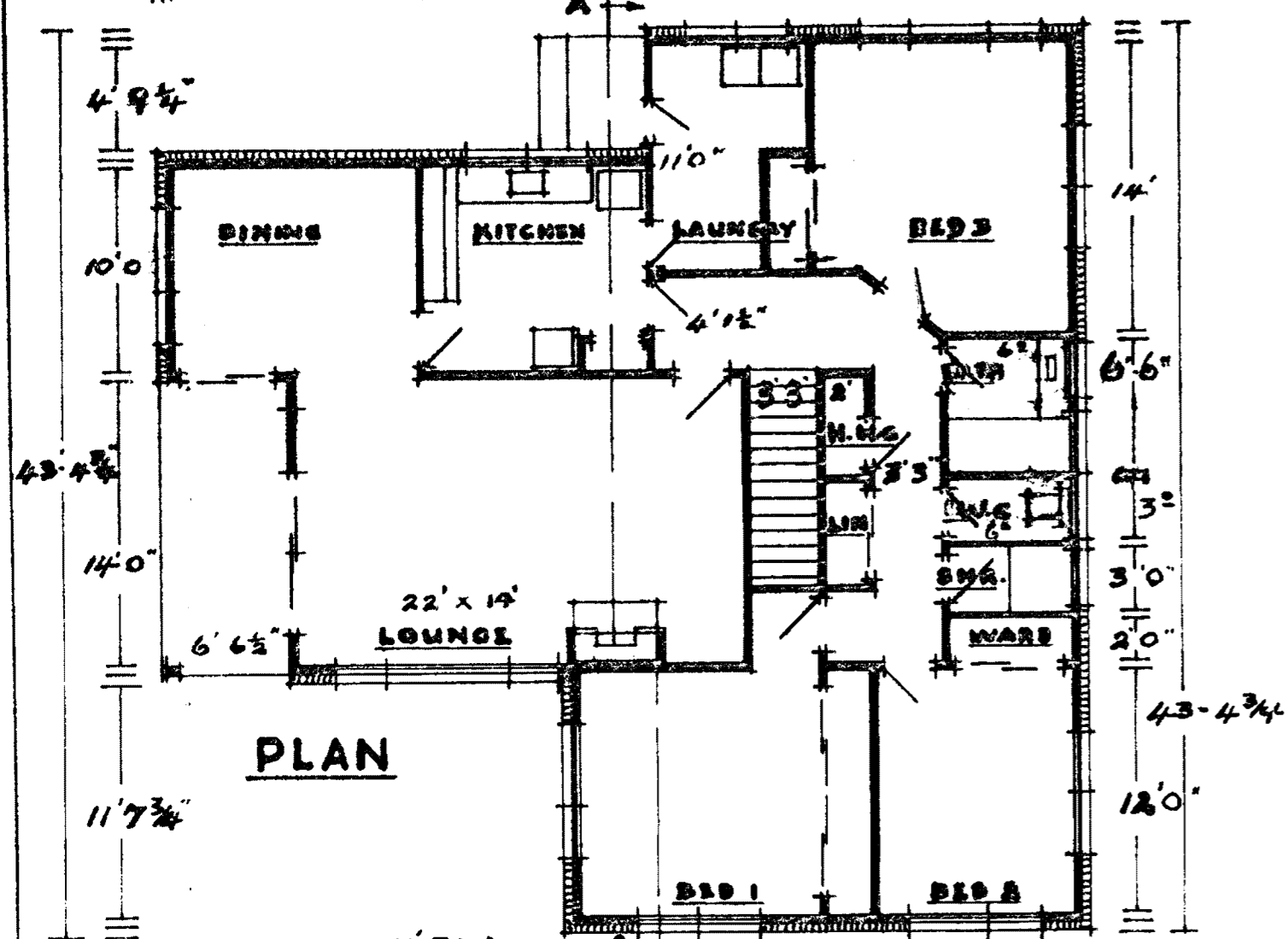
LOT 1 D.P. 7476



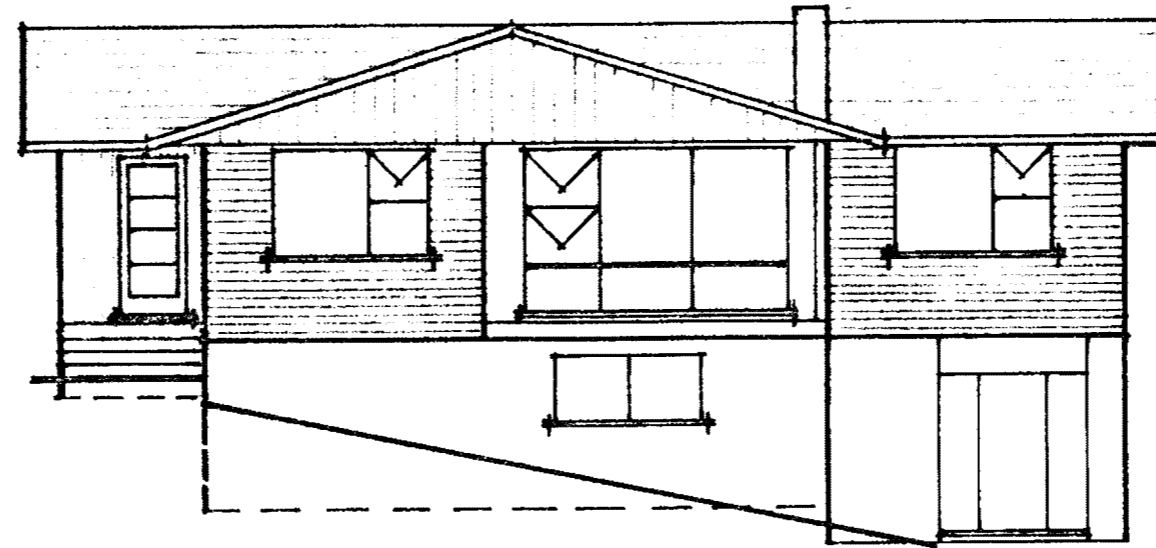
WEST



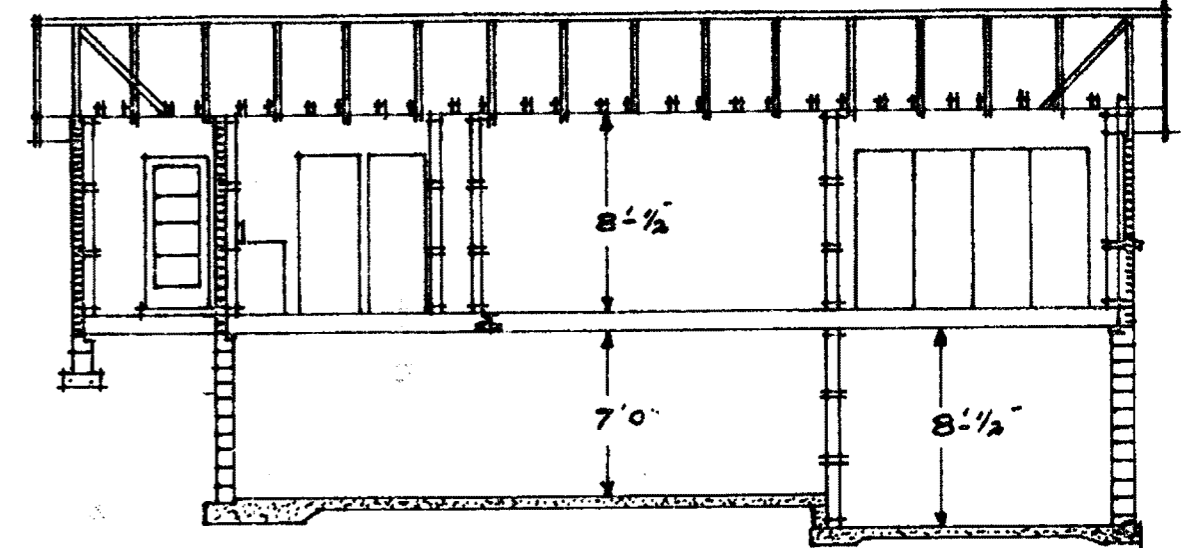
EAST



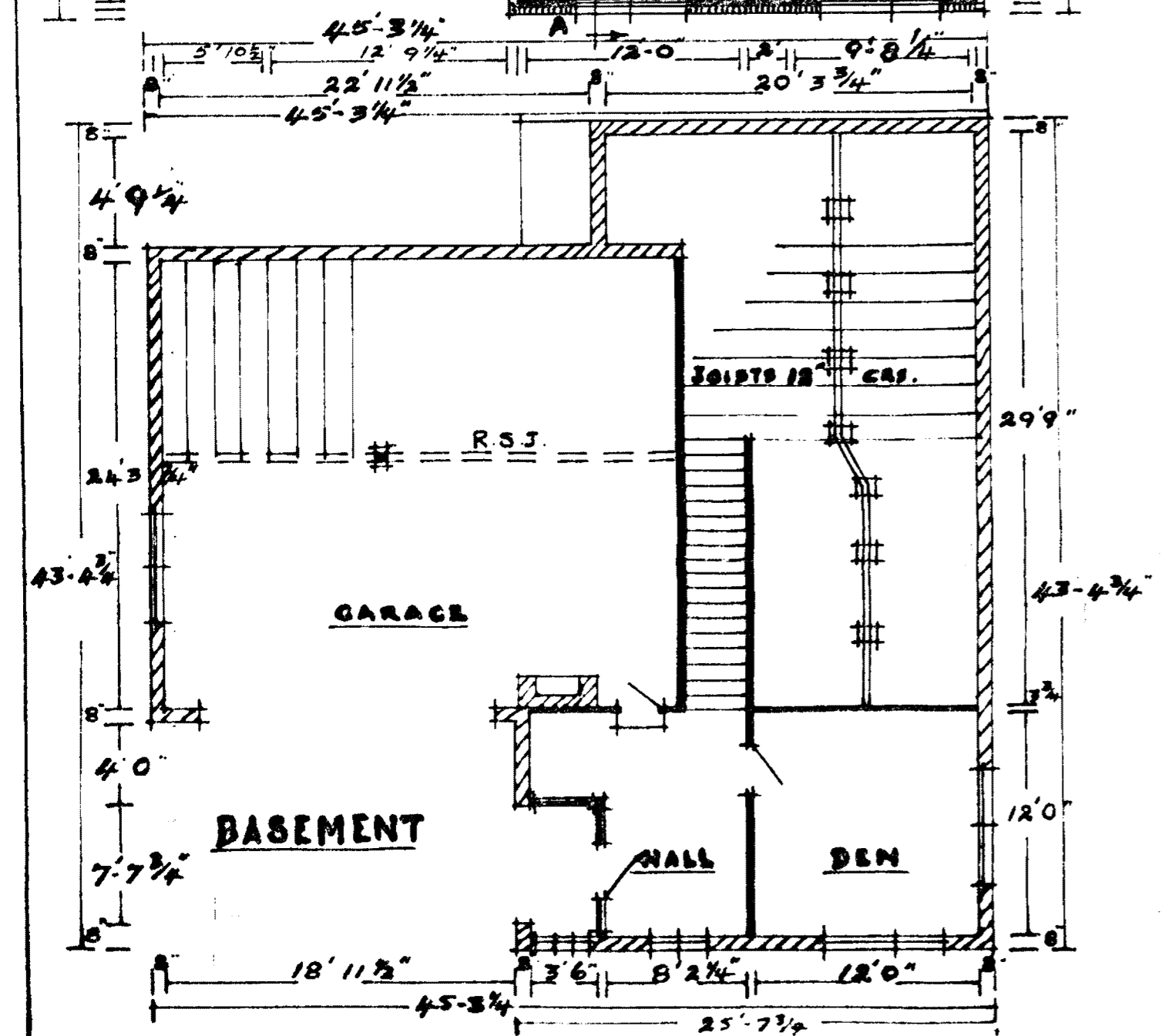
PLAN



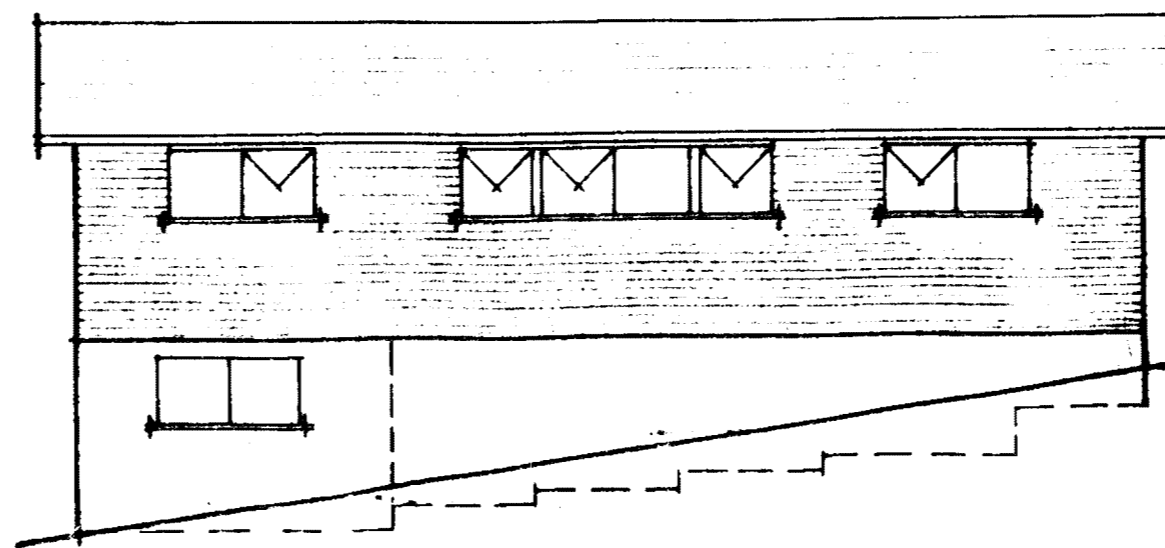
NORTH



SECTION A-A



BASEMENT



SOUTH

**PROPOSED RESIDENCE BRASSEY ROAD
FOR R. G. BROWN ESQ.**

**WIGHT CONSTRUCTION CO.
BUILDERS
SCALE 1/8" TO 1 FOOT**

MARCH 1974

RST

Treat as 2 single spans.

$$28' \Rightarrow 12' + 16'$$

$$\text{Load Area / Ft} = \frac{24 \times 1/2}{2} = 12 \times 1/4'$$

Dead Load:

Roof $7 \# / \text{Ft}^2$

Floor $8 \# / \text{Ft}^2$

Com. dl. $5 \# / \text{Ft}^2$

LL. dl $\frac{40 \# / \text{Ft}^2}{2}$

$60 \# / \text{Ft}^2$

$Wt / \text{Ft} = 60 \times 12 \times 1/4 = 750 \# /'$
Self wt = 20

Total $Wt / \text{Ft} = 770 \# /'$

$$M = \frac{wL^2}{8} = \frac{770 \times 12^2 \times 1/2}{8 \times 2240}$$

$$= 132 \text{ in}^3$$

Top ^{Flange} ~~flange~~ lbd by joists.

$$D/t = 26 \quad \frac{L}{d} \geq 85$$

$$\Rightarrow pbc = 10.5$$

$$2 \text{ reqd} = \frac{132}{10.5} = 12.6$$

Defⁿ

$$\frac{5}{384} \times \frac{770 \times 16^4 \times 1/2^3}{20 \times 10^6 \times I} = \frac{39.15}{I}$$

$$\frac{L}{360} = \frac{16 \times 12}{360} = .53$$

$$I_{\text{reqd}} = \frac{39.15}{.53} = 739 \text{ in}^4$$

BEAM

$$10' \times 5 \frac{3}{4} \times 21 \#$$

UB

$$6' \times 10'' \times 17 \#$$

UB

Thus Beam = $10' \times 5 \frac{3}{4} \times 21 \#$ UB.

As Continuous Beam.

→ Midspan, mid support reaction

$$est. = \frac{1.25 \times 14 \times 770}{2240}$$

$$= 6.01T \quad \text{over } 7'-0" \text{ height}$$

⇒ 3 x 3 x 89 R.H.S. example

Base pad at $1T/F+2$
 12" deep

$$\Rightarrow 6 F+2$$

⇒ 2'-6" square pad
 - HRC in base 3' cover

4" x 4" post in wall

End V = 3T - ()
 (accurate → 6 x 770/2 = 2T) FL 5/8"
 1/4" end plates to 3" beam.

Bolts in shear on blockwork
 3/4" bolts → 750#

$$\Rightarrow No \text{ reqd} = \frac{3 \times 2240}{750} = 9$$

- Better to seat on blockwork
 & hold with 2/1" 7/8" plate
 or put post under &
 fix to blockwork (1/2" plate)

LINTEL

- Span 17'

$$W/F+1 = 770$$

- Roof. Compound Trusses
 → Roof DL at 7# / F+2

Roof	7 x 12	= 84	7'	84
Floor	8 x 7	= 56		56
Comp	5 x 7	= 35		35
LL	40 x 7	= 480		280
				485
				15
Self wt				470

$$\frac{Wd^2}{8} = \frac{470}{8 + 2240} = \frac{470}{2248} = 0.2095 \text{ in}^3$$

$$\frac{D}{T} = \frac{L}{V} \text{ as per}$$

$$P_{br} = 10.5$$

$$Z_{reqd} = \frac{91}{10.5} = 8.7 \text{ in}^3$$

Defn.

$$\frac{S}{384} \frac{Wd^4}{EI} = \frac{5 \times 470 \times 174 + 123}{384 + 28 \times 10^6 + I}$$

$$= \frac{30.5}{I}$$

$$\frac{L}{360} = \frac{17 + 12}{560}$$

$$= 0.57$$

$$I_{reqd} = \frac{30.5}{0.57} = 53.82$$

$$\Rightarrow \underline{8'' \times 5'' \times 17'' \text{ UB}}$$

$$dI_{defn}/W = 84 + 56 + 35 + 15 = 190 \text{ in}^3$$

$$\frac{S}{384} \frac{190 \times 174 + 123}{28 \times 10^6 + 56} = 0.22 \text{ in}^3$$

$$\Rightarrow \text{provided } 3/16''$$

Retaining
Wall.

Use Vibrapak standard walls.

Max ht fill. - 6'-8"

Refer to "A guide to
Concrete Masonry Retaining
Wall design"

SFB (13) F.f. 2)

June 1967.

Prepared by Corry, Watts & Beesey
Consulting Engineers. Auckland.

Wall type 3.

- Continuous inspection.

$$L = 3'-8"$$

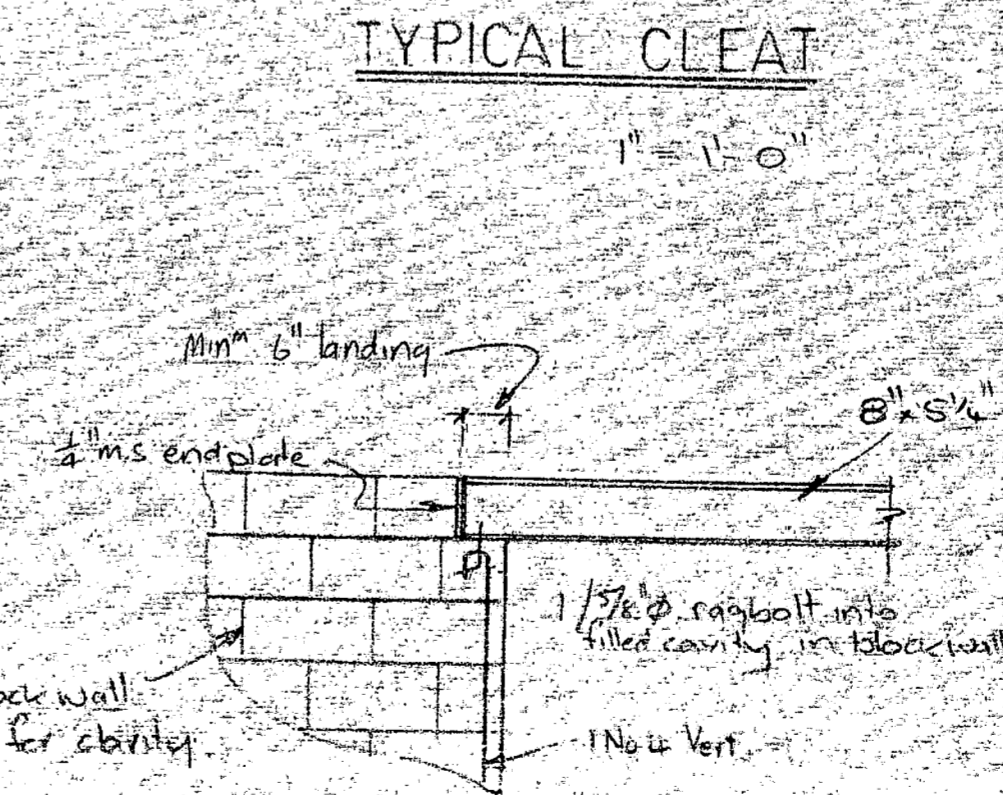
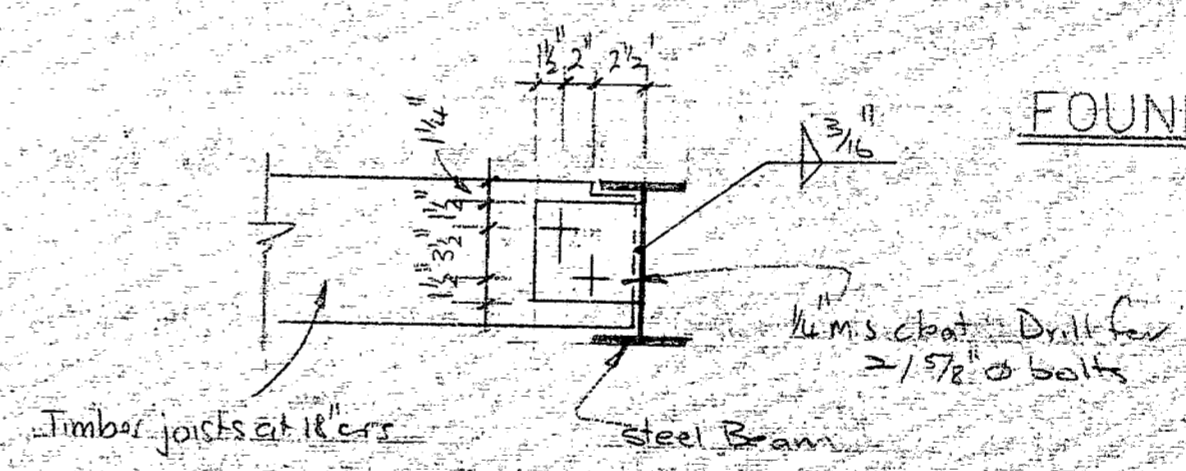
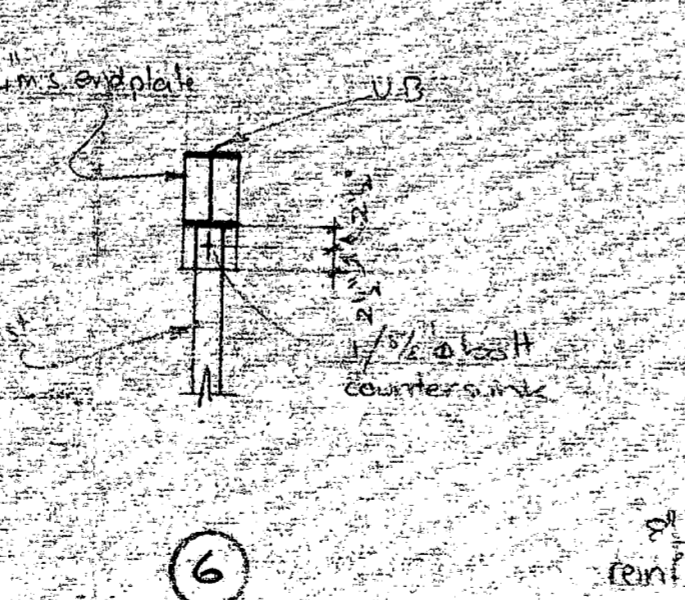
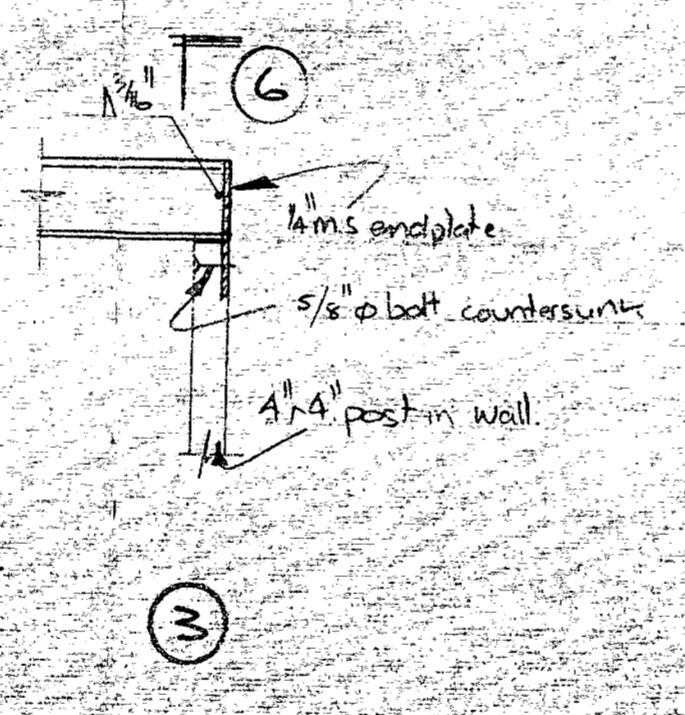
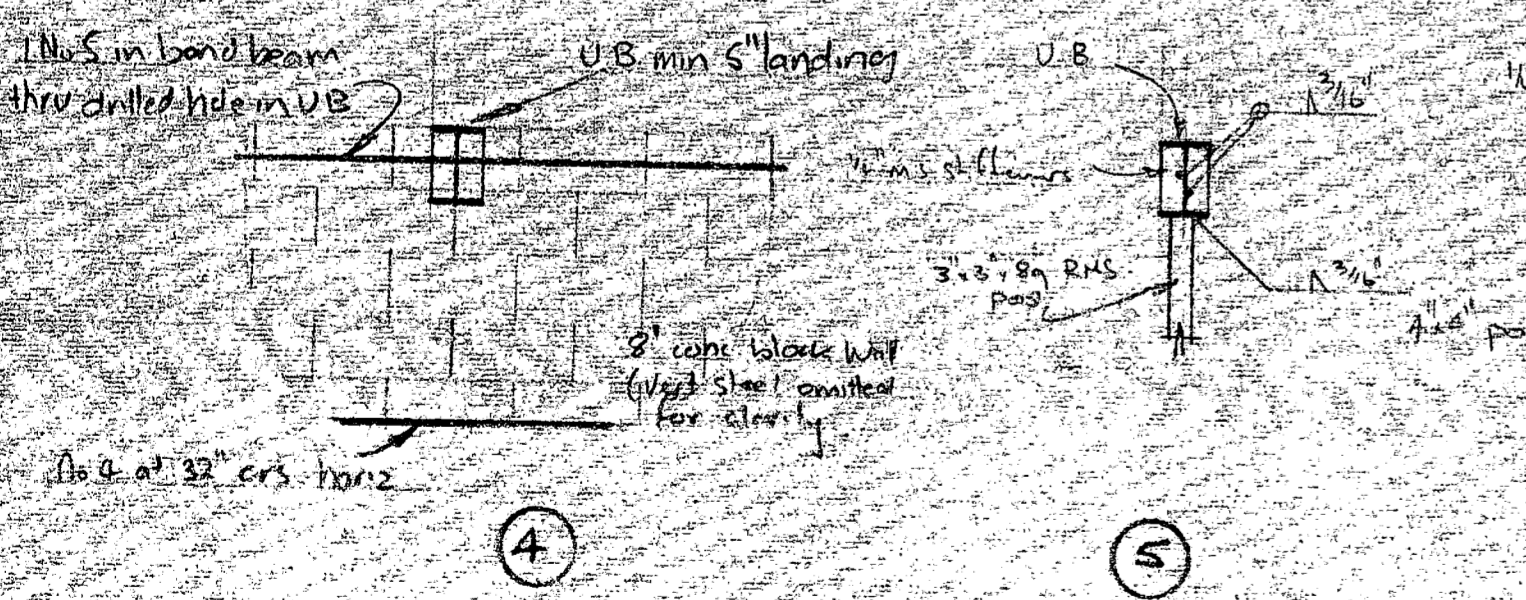
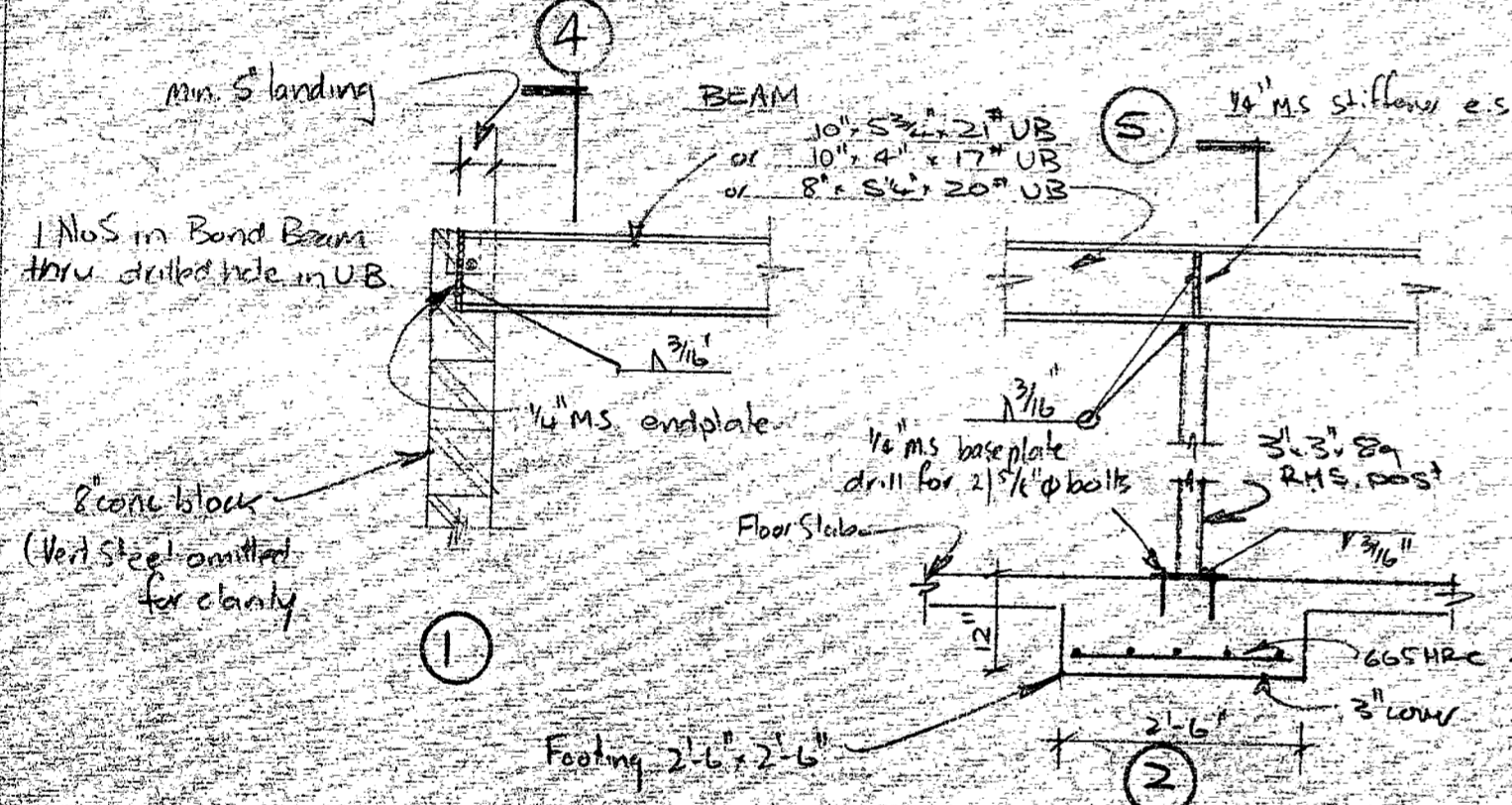
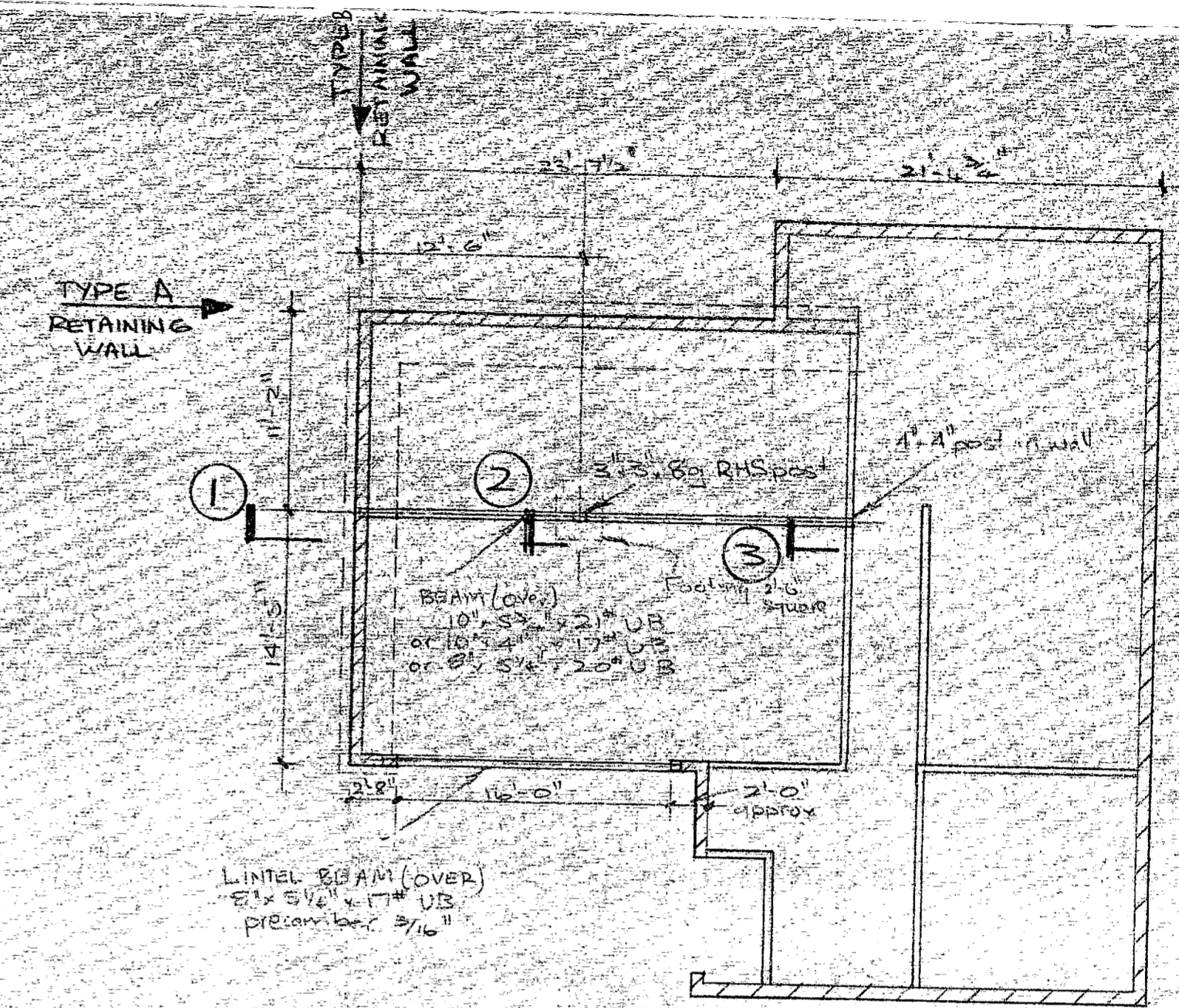
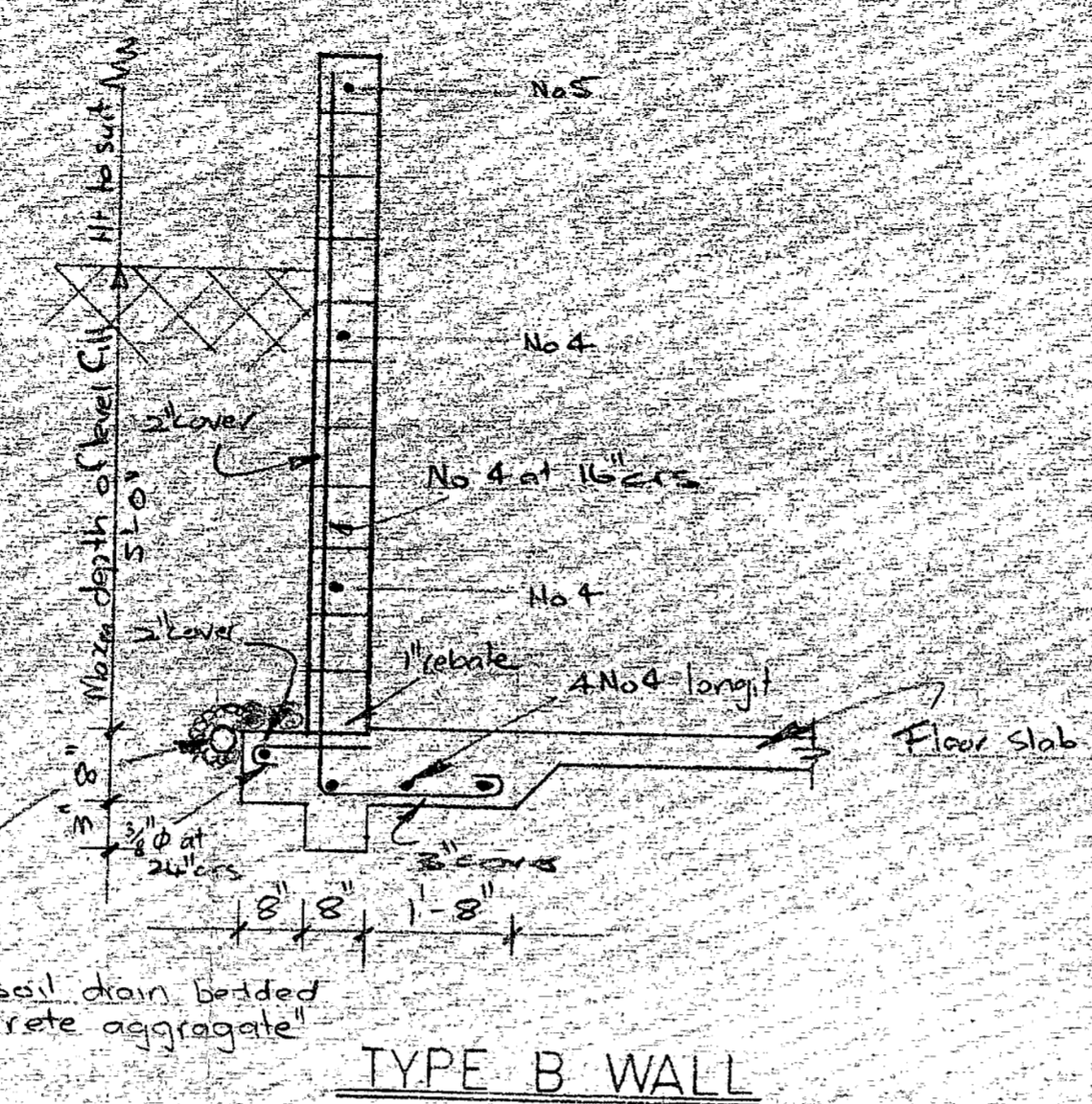
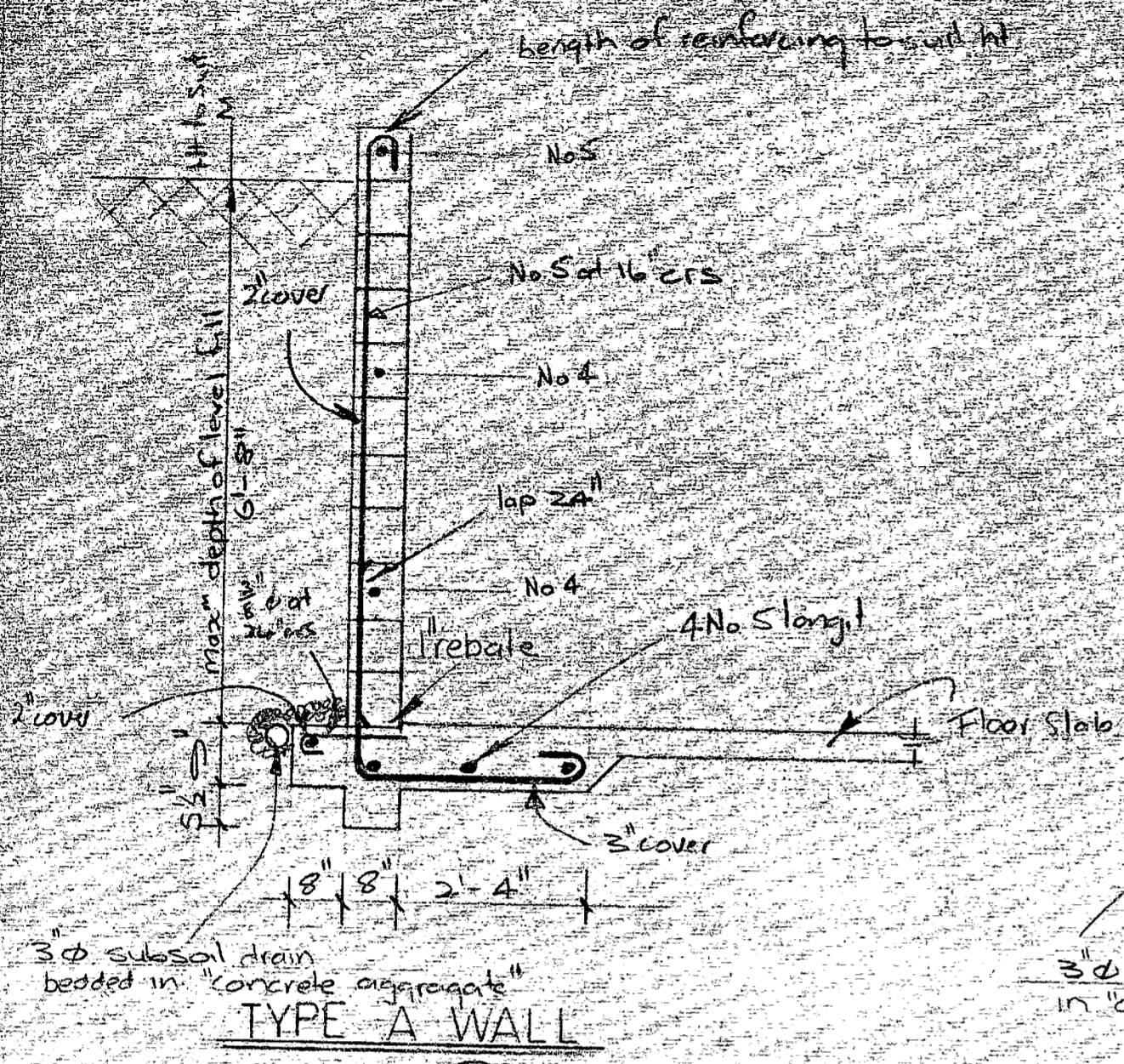
$$B = 8'$$

$$\text{Key depth} = 5\frac{1}{2}"$$

$$A_s = 0.20 \text{ in}^2/\text{ft}$$

⇒ 1104 at 12" c/c
or No 5 at 16" c/c.

Note drain at base
of wall - & backfill to be
clean sand compacted in 9"
layers to a "Scale" penetration
of 3 blows for 3" penetration.



FOUNDATION PLAN
1/8" = 1'-0"

TYPICAL CLEAT
1" = 1'-0"

MAIN BEAM DETAILS

LINTEL BEAM DETAIL

- Notes
- 1) Blockwork shall conform to the requirements of NZS 1900 ch 6:2 & 8:2. All cavities containing steel to be filled.
 - 2) Retaining wall footings shall be 3000 psi concrete at 28 days. Workmanship and materials to NZS 1900 ch 5:3A.
 - 3) Structural steel shall conform to NZS 1900 ch 5:4.
 - 4) Backfill to retaining walls shall be clean sand compacted in 6" layers to a 'Scale' penetration of 3 blows for 3m.

Footway No. 2414

16.9.74

No. 903

WANGANUI CITY COUNCIL

Building Inspection Sheet

Permit No. G37951 Value 30,000 Val .No. 1318/435/1

OWNER R.S. BROWN

BUILDER WIGHT CONSTRUCTION

STREET 14A BRASSEY ROAD

SEC. LOT. 1 D.P. New

	Date
✓ Boundaries	
✓ Excavation	
✓ Foundation	17/10/74
Piles	
Vents	28/11/74
Chimney Found.	
Copper Found.	
Framework	
Trimmers	
Ventilation	
Rafters	
Purlins	
Sheathing	17/12/74
Netting	
Ceiling Vents	30/1/75
Water Heaters	
Gas Fire Flues	19/2/75

Completed 17/1/75

REMARKS:-

W. Crossin's leg

J. Burrows

SERVICE TESTED

FOUL DRAINAGE

STORM DRAINAGE

CITY WATER SUPPLY

PRIVATE WATER SUPPLY

HOT WATER SUPPLY

SEWER VENTS

BACK VENTS

W.C.

SINK

BATH

SHOWER

BASIN

TUBS

CEILING VENT

HEATING

SWIMMING POOL

METER

DANGEROUS GOODS

K HEAD 24/1/75 (423)

Inspector *H. Smedley*

Date *11/2/75*

PLUMBING AND DRAINAGE INSPECTION SHEET

REG. PLUMBER M/S *Too H. H.*

AND/OR DRAINLAYER

is/are hereby authorised to carry out the work described herein and set out in the plans deposited in this office, on the premises.

OWNED BY *P. G. Brown*
OCCUPIED BY

AND SITUATED IN *14 a Brassey Rd*

WANGANUI SECT. /LOT *1* /D.P.

DESCRIPTION OF WORK

Dwelling + Garage

PLUMBING \$

ESTIMATED VALUE OF WORK:

DRAINAGE \$

FEE PAID \$ *12-00*

TOTAL \$ *1400-00*

BUILDING PERMIT APPLICATION No. /RECEIPT No. *013A*

Such work is to be carried out in strict accordance with the Drainage and Plumbing Regulations.

P. M. BARNES City Engineer

W. J. Taylor Inspector

DATED THIS *14th* DAY OF *August* 19 *74*

DATED THIS 15th DAY OF February 1954

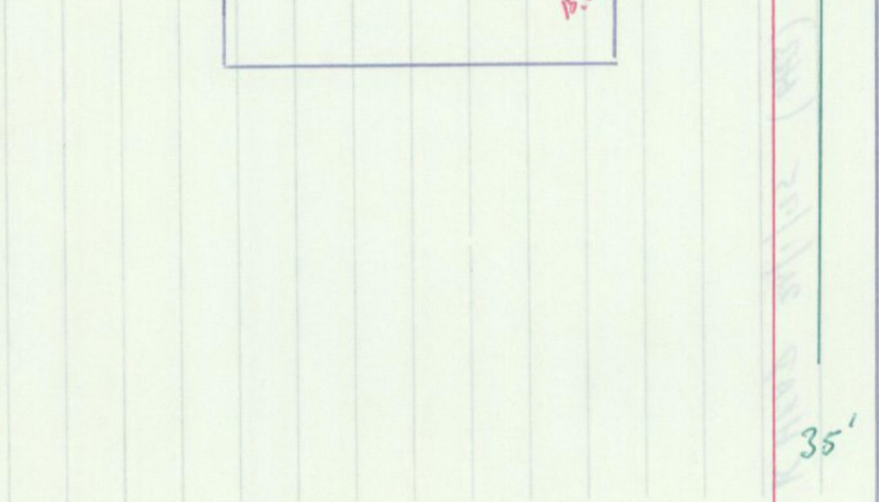
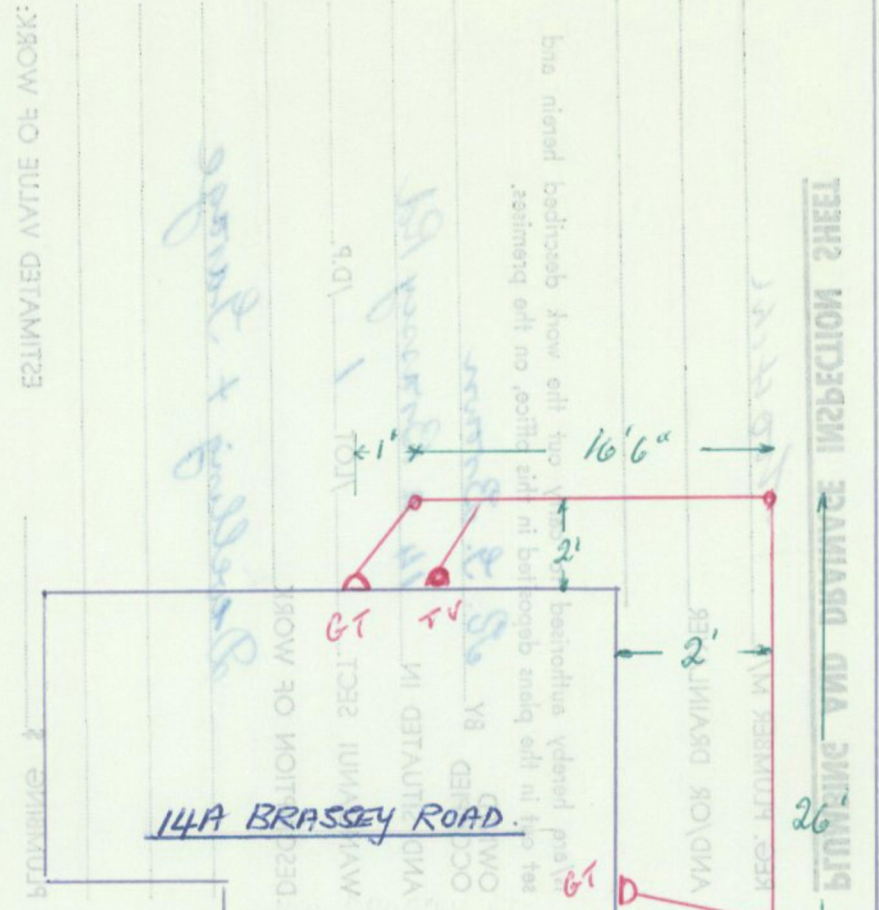
BY *[Signature]*

W. M. BARNES City Engineer
 and Plumbing Regulations
 such work is to be carried out in strict accordance with the Drainage
 BUILDING PERMIT APPLICATION No. 00-00-00

TO R. O. W

TOTAL \$ 1400-00
 DRAINAGE \$
 PLUMBING \$

ESTIMATED AMTLE OF WORK:
 SEE BYLD \$ 18-00



BY PLUMBING AND DRAINAGE INSPECTION SHEET
 No 12A
 R. O. W

TO R. O. W

TOBT FOR HOUSE REAR.