

APPLICATION NO. 121-11-86PERMIT NO. 6007923LODGED AT
DISTRICT OFFICEDISTRICT OFFICE NO. 6880DATE ISSUED 9.12.86**RODNEY COUNTY COUNCIL**
CENTREWAY ROAD, OREWA. PRIVATE RES.

PHONE HBC 65-169

DISTRICT OFFICE 23

BUILDING PERMIT APPLICATION

IMPORTANT PLEASE READ INSTRUCTION ON PAGE 3 AND COMPLETE THE FOLLOWING INFORMATION

OWNER OF SECTION:

PHONE NO. BUS

NAME P. J. ANDERSON

(BLOCK CAPITALS)

PHONE NO. PVT 792-415

PRESENT POSTAL ADDRESS

BUILDER:NAME BRUCE MCKENZIEPHONE NO. WV 8064ADDRESS 24 FULHAM ROAD WARKWORTH

(PERMIT WILL BE POSTED TO BUILDER UNLESS OTHERWISE REQUESTED)

PREVIOUS OWNER OF SECTION: NAME

LEGAL DESCRIPTION OF SECTION:

(SEE RATES FORM)

LOT 76D.P. 1971ABLK IV KAWAIA S.D

STREET OR ROAD NUMBER

VALUATION NO 24172

STREET OR ROAD NAME

LOCALITY KAWAIA IS.AREA OF SECTION 4173m²

SQ. METRES

RIDING KAWAIA**DESCRIPTION OF PROPOSED WORK:**FLOOR AREA: 24.00 SQ METRESSTUDIO / WORKSHOP

NO FINAL INSPECTION

DIRT DAMAGE DEPOSIT

APPROVED WATER 13.112 12.86

CARPORT/GARAGE

ADDITION

BASEMENT

GROUND FLOOR 24.00 m²FIRST FLOOR 7.95 m²OTHERS 18.00 m²TOTAL AREA 49.95 m²VALUE OF BUILDING WORK ONLY \$ 13500-00

(The decision of the Building Inspector will be final as to estimated cost)

SIGNATURE OF APPLICANT P. J. Anderson**FOR OFFICE USE ONLY****PERMIT FEES**

WORK

VALUE

FEE

RECEIPT NO.

DATE

BUILDING

23411246J 388124/9/86

PLUMBING

40043J 388124/9/86

DRAINAGE

48057J 388124/9/86

SUB: TOTAL

24291346

BUILDING RESEARCH LEVY

27.50J 388124/9/86

TOTAL PERMIT FEE

373.50J 388124/9/86

WATER CONNECTION

ROAD DAMAGE DEPOSIT

SUNDRY FEES

BUILDING PERMIT APPLICATION FEES

INCLUSIVE OF GST

ESTIMATED VALUE OF WORK

NOT EXCEEDING	\$	\$	\$
		1,000	30
	1,001	2,000	40
	2,001	4,000	60
	4,001	6,000	79
	6,001	8,000	103
	8,001	10,000	119
	10,001	15,000	182
	15,001	20,000	217
	20,001	25,000	246
	25,001	30,000	276
	30,001	35,000	304
	35,001	40,000	339
	40,001	50,000	364
	50,001	60,000	394
	60,001	70,000	423
	70,001	80,000	453
	80,001	90,000	482
	90,001	100,000	512
	100,001	120,000	540
	120,001	140,000	575
	140,001	160,000	599
	160,001	180,000	630
	180,001	200,000	661
	200,001	250,000	718

ABOVE \$250,000 AN ADDITIONAL \$20 FOR EVERY ADDITIONAL \$70,000 OR PART THEREOF

BUILDING RESEARCH LEVY

THE LEVY IS \$1.00 (PLUS GST) FOR EACH \$1,000 (OR PART \$1,000) OF THE TOTAL VALUE

NOTE: THIS LEVY IS PAYABLE ON ALL WORK VALUED \$10,000 AND OVER.

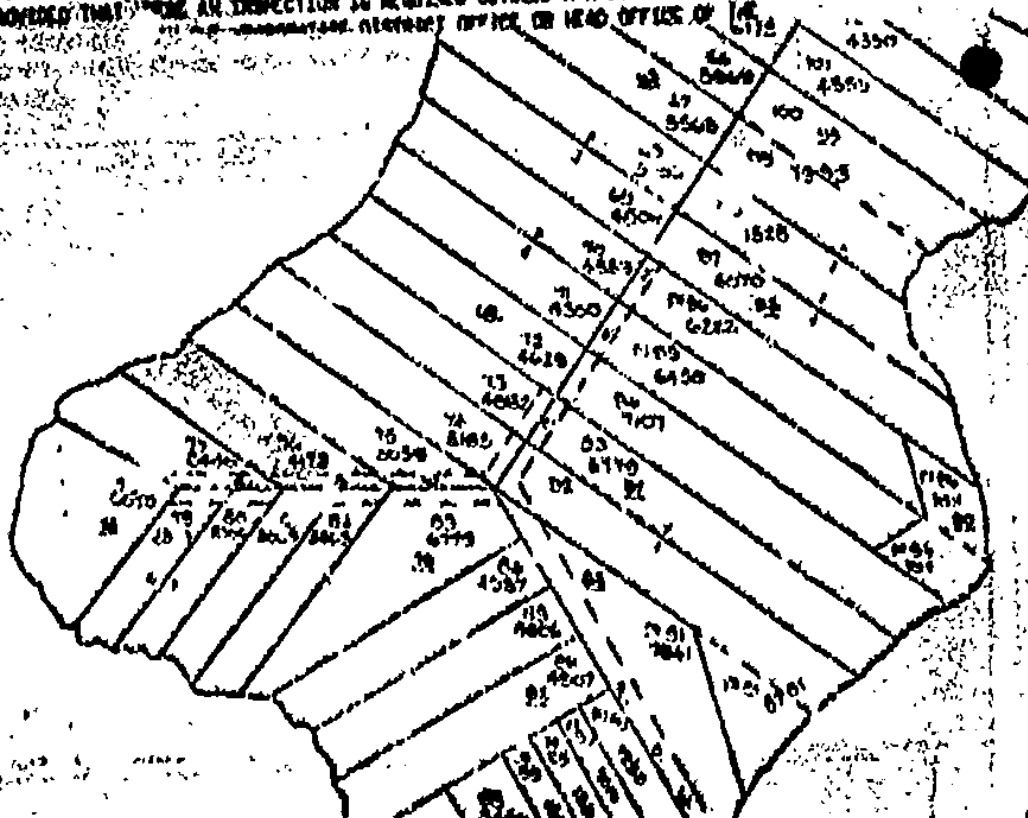
INSPECTION FEE FOR OLD OR USED TIMBER OR SECONDHAND BUILDINGS

(a) INSPECTIONS OUTSIDE COUNTY \$100

(b) INSPECTIONS WITHIN THE COUNTY \$40

PROVIDED THAT WHERE AN INSPECTION IS REQUIRED OUTSIDE A RANGE OF 10 KILOMETRES FROM THE DISTRICT OFFICE OR HEAD OFFICE OF THE DISTRICT

BEAUMONT
POINT



APPLICATION APPROVED BY

BUILDING INSPECTOR
HEALTH INSPECTOR
PLUMBING & DRAINAGE INSPECTOR
TOWN PLANNING OFFICER
STRUCTURAL ENGINEER
DISTRICT ENGINEER

	DATE
<i>B. J. Shattuck</i>	25-11-86
<i>[Signature]</i>	2-10-86
<i>P. Kirk</i>	5-12-86
<i>[Signature]</i>	19-11-86

DISTRICT SCHEME ZONING *Kawau Is. Resort Zone*

INITIALS

ELECTRICITY TRANSMISSION LINES

PRESENT/NOT PRESENT

COUNCIL SEWER

PRESENT/NOT PRESENT

COUNCIL STORMWATER DRAIN

PRESENT/NOT PRESENT

(DELETE NOT APPLICABLE)

PERMIT ISSUED SUBJECT TO FOLLOWING CONDITIONS

DATE COMMENTS BY OFFICER

13-11-86 Site re-inspected as location of studs on original site plan incorrect, site although steep is stable. MC

25-11-86 What is the purpose of this structure? Is it a dam? }
It is to retain water from upper part of site. received MC

Kendall County Council

No.

Inspector: M

File No.

Receipt No.

Date Permit Issued 8/12/85

OWNER	
Name	P. J. L. Mason
Mailing Address	Apartment 5 3 Windward Terrace Kendall County Council

BUILDER	
Name	Bruce McKenzie
Mailing Address	P. I. Horn Rd Dunbar, N. S. W.

PROPERTY ON WHICH BUILDING IS TO BE ERECTED/DEMOLISHED

SITE	
Street No.	
Street Name	
Town/District	Kendall Council
Riding	Kendall

LEGAL DESCRIPTION	
Valuation Roll No.	941-72
Lot	76
D.P.	19714
Section	
Block	
Survey District	

NEW BUILDING, PROPOSED WORK AND MAIN PURPOSE OF USE

Front Studio/Workshop

FLOOR AREA		DWELLING UNITS	
Whole Sq. Metres	50	Number Erected	
ESTIMATED VALUES	Building	23411	
	Planning	400	
	Drainage	120	
	TOTAL	24931	

NATURE OF PERMIT/TYPE WORK	
☒	NEW BUILDING - include domestic garages and domestic outbuildings
☐	FOUNDATIONS ONLY
☐	ALTERED, REPAIRED, EXTENDED, CONVERTED, RECYCLED - include installation of heating appliances
☐	NEW CONSTRUCTION OTHER THAN BUILDINGS - include dams/dikes
☐	DOMESTIC DAMAGES AND DOMESTIC OUTBUILDINGS

FEES APPLICABLE

Building Permit	\$ 340	Water Connection	\$	Receipt No.	72 8851
Street Damage Deposit	\$	Vehicle Crossing Levy	\$	Date of Payment	24/01/86
Building Research Levy	\$ 27.50	M.S. Plumbing	\$	Authorized Officer	[Signature]
Planning	\$ 123				
Drainage	\$ 51				
Sewer Connection	\$				
TOTAL		\$ 423.50			

Special Conditions:

1/ To comply with the conditions outlined
on the approved plans and specifications

21.1.87 All holes to depth in solid rock type ground

Date Inspected

NO FINAL INSPECTION

WARRANT DAMAGED/REMOVED

ACTIONED (DATE 5/9/24)

COMPLETED (signature)

Date

CHINA

RODNEY COUNTY COUNCIL

Head Office - Private Bag, Centreway Road, Orewa. Tel. HBC 65-169
 District Offices - Warkworth Tel. WW 8539; Huapai Tel. AK 412-9120

APPLICATION FOR *PLUMBING and/or *DRAINAGE PERMIT DATE: _____
 To: The County Manager

I, the undersigned (name in full) B. L. JOHNSON
 being registered *Craftsman plumber *registered drainlayer, apply for permits. 1 to
 undertake the work described below at the following premises:-

No. Waiwaka Island Road/Street

being Lot 76 D.P. 19714

District _____

OWNER'S NAME P. J. ANDERSON Phone _____

PRESENT ADDRESS Windsor Towers Parliament St. Auckland

IMPORTANT: REFER TO PAGE 2 RE:- PLANS AND GENERAL INFORMATION

BRIEF DESCRIPTION OF PROPOSED WORK:-

*DRAINAGE _____

*PLUMBING Plumbing

Value of Proposed Work

Drainage	\$	Fee (see scale on Page 2)	\$
plumbing	\$	Fee (see scale on Page 2)	\$

TOTAL FEE \$ _____

Signature B. L. Johnson

Address Waiwaka Island

Registered Drainlayer No. _____ Phone _____

*Craftsman Plumber No. 10144 Phone 578

* Delete not applicable

FOR OFFICE USE ONLY

Building Permit No. _____ PERMIT

Approved for Issue 10.12.86 Inspector Date 2.10.86 DR No. _____

Fee Paid: _____ PL No. 13815

Drainage 152.22 Receipt No. 13881 Date 24.09.86

plumbing 42.50 Receipt No. 13881 Date 24.09.86 Date 10.12.86

REMARKS _____

R O D N E Y C O U N T Y C O U N C I L

Head Office - Private Bag, Centraway Road, Orewa. Tel. HBC 65-169
 District Offices - Warkworth Tel. WW 8539; Huarahi Tel. AK 412-9120

APPLICATION FOR *PLUMBING and/or *DRAINAGE PERMIT DATE: _____
 To: The County Manager

I, the undersigned (name in full) ERIC DAVID DENISON
 being registered *Craftsman plumber *registered drainlayer, apply for permission to
 undertake the work described below at the following premises:-

No. KAWAU ISLAND Road/Street

being Lot 76 D.P. 19714

District _____

OWNER'S NAME P. J. ANDERSON Phone _____

PRESENT ADDRESS WINDSOR TOWER Auckland

IMPORTANT: REFER TO PAGE 2 RE:- PLANS AND GENERAL INFORMATION
 BRIEF DESCRIPTION OF PROPOSED WORK:-

*DRAINAGE _____

~~*PLUMBING _____~~

Value of Proposed Work

Drainage	\$	Fee (see scale on Page 2)	\$
Plumbing	\$	Fee (see scale on Page 2)	\$
		TOTAL FEE	\$

Signature [Signature]

Address 369 Mahurangi East Rd

Registered Drainlayer No. 07828 Phone 55815

*Craftsman Plumber No. _____ Phone _____

* Delete not applicable

FOR OFFICE USE ONLY

Building Permit No. _____ PERMIT

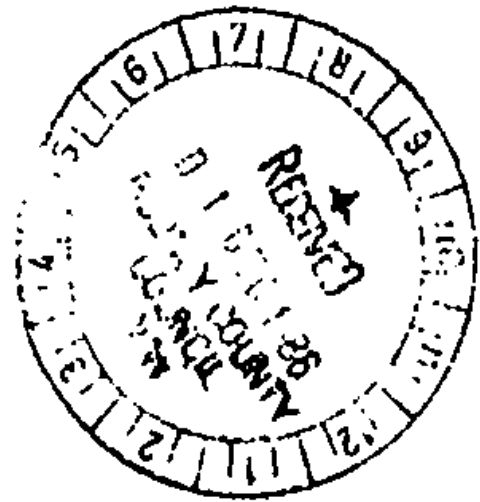
Approved for Issue [Signature] Inspector Date 10.12.86 Dr No. 13816

Fee Paid: _____ Pl No. _____

Drainage \$ 57.00 Receipt No. 13881 Date 24.9.86

Plumbing \$ 63.00 Receipt No. 13881 Date 24.9.86 Date 10.12.86

REMARKS _____



RODNEY COUNTY COUNCIL

APPLICANT:

APPN. NO:

Report on Building Permit Application -

Site Inspection

NZSS 1900 Chapter 6.1

		FURTHER ACTION REQ
Site Exposure to Wind (<u>High, Mod, Low</u>)	✓	
Bearing Capacity of Ground (100 kPa)	✓	
General Topography of Site (<u>Steep, Flat</u>)	✓	
Existing Services on Site (<u>Power, Sewer, Stormwater</u>)	✓	
Stability of Site <i>actual site appears stable erosion on other parts</i>		
Pilling on Site	none	
Existing Watercourses or Drains	no	
Vehicular Access to Site	N/A	
Condition of Road & Footpath	N/A	
Disposal of Stormwater (<u>Road Sewer</u>)	✓	
Disposal of Wastage (<u>sewer, Septic tank, Other</u>)	✓	
Possibility of Flooding (Yes / No)	no	
Existing Buildings on Site	House small shed	
Electricity Transmission Lines over Site	no	
Type of Water Supply (<u>Mains / Tank</u>)	✓	
Boundary Fags (<u>Sighted, Yes (No)</u>)	—	

COMMENTS:

Site inspected today at the request of the owner as the location on site plan is wrong where it was shown placed the unit on a very steep section and was not acceptable to me however this new location is acceptable

Signed:

Date:

13.11.86

Site Inspection

CALCULATION SHEET

Name of Owner:	Value	Fees
<u>Plumbing</u>		
Total estimated value of Job \$ <u>1000</u>		
Labour content (40% of total plumbing valuation)	\$ 400	\$ 43.0
<u>Drainage</u>		
Total estimated value of Job \$ <u>800</u>		
Labour content (60% of total drainage valuation)	\$ 480	\$ 57.0
<u>Total A</u>	880	
<u>Building</u>		
Valuation of building work as shown on application form	\$224.91	
Material content of plumbing (60% of total plumbing valuation)	\$ 60	
Material content of drainage (40% of total drainage valuation)	\$ 32	
Calculate building permit fee from Total B <u>Total B</u>	284.11	\$24.6
Add total A and Total B then calculate B.R.A.N.Z. levy at rate of \$1.00 per 1,000 or part thereof from Total C <u>Total A</u>	880	
<u>Total C</u>	2429.1	\$27.50
Street Damage Deposit (if applicable)		\$
Total permit fees to pay:-		\$373.50

ALAN BILKEY BE MIPENZ

CONSULTING ENGINEER
STRUCTURAL CIVIL

1st Floor
6 Osborne Street, Newmarket
Auckland Ph 5-585
P O Box 9403 Newmarket

STRUCTURAL CALCULATIONS

ANDERSON STUDIO ADDITION

LOT 76 DP 19714 BLOCK IV

KAWAU ISLAND

Anderson House

Lot 76 DP19714 Block IV

Kauai Island

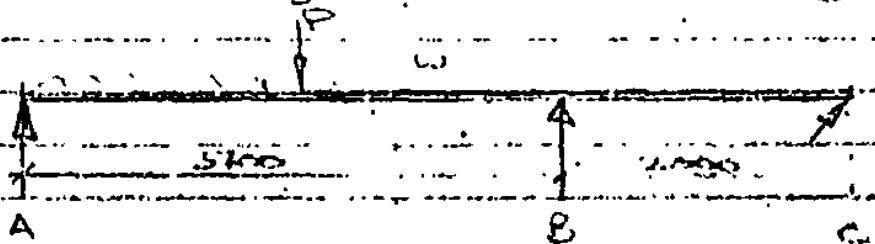
Studio Addition

Palau

Basement

Financing

Central Basement taking 3.0m with loading



$$\text{Loading } W_b = 0.5 \times 3 = 1.5 \text{ k/m}$$

$$W_u = 1.5 \times 3 = 4.5 \text{ k/m}$$

$$W_{\text{dead}} = 2.0 \text{ k/m} \quad 6.0 \text{ k/m}$$

$$P_b = \underbrace{2.0 \times 0.5}_{\text{roof}} + \underbrace{1.0 \times 0.5 \times 3}_{\text{upper floor}} + \underbrace{2.0 \times 0.5}_{\text{wall}}$$

$$= 7.4 \text{ k/m}$$

$$P_{\text{max}} = 2.0 \times 3 + 1.5 \times 1.5 + 2.0$$

$$= 6.0 \text{ k/m}$$

$$M = 7.0 \times 2 / 2 = 15.0 \text{ kNm (approx)}$$

$$M_{\text{max}} = \frac{P_b \times L^2}{8} = \frac{7.4 \times 3^2}{8} = 8.2 \text{ kNm}$$

$$M_{\text{max}} = \frac{12.4 \times 3^2}{8} + \frac{6.0 \times 3 \times 3}{2} = 13.5 \text{ kNm}$$

$$V_{\text{max}} = 2.173 \times 10$$

$$k = k_1 \times k_2$$

$$= 1.29 \times 1.14 = 1.39$$

$$V = 1.39$$

$$U_{\text{max}} = 2 / 3 \times 10 \times 7.5$$

2/30
Cov
1/10
5/2

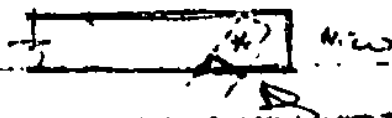
Max force in diagonal brace

$$< 1.0 \times 7.5 \sqrt{2}$$

$$= 10.6 \text{ kN}$$

Use Bower Bracket at base of pole

Top connection



Force to be taken in bearing

$$\text{Bearing Area} = \pi \times 140^2 = 75410$$

$$= 4890 \text{ mm}^2$$

$$\text{Max force} = 14.7 \text{ kN} > 10.6 \therefore \text{OK}$$

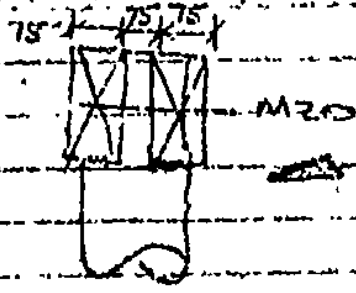
$$\text{Max load on pole} = \frac{5}{8} \times 5.7 \times 6.0 + 13.4 \times \frac{5}{8}$$

$$= 29.75 \text{ kN}$$

Notch poles same side for bearing

$$\text{bearing area} = 11362 \text{ mm}^2$$

$$\text{Max load cap} = 34.1 \text{ kN}$$



$$\text{Pole load} = \frac{F_s}{E} (C N_c A_c + \alpha C N D E)$$

$$F_s = 3$$

$$C = 60$$

$$N_c = 9.0$$

$$\alpha = 0.15$$

$$\text{Max load} = \frac{1}{2.6} (60 \times 9 \times 7.5^2 + 0.15 \times 60 \times 7.5 \times 1.0)$$

$$= 37.7 \text{ kN}$$

Bracing High Wind
Clique

Single story 45° roof light

Clique 3 — 25 units each dir⁵
Wind 80 → 48 & 320 units

Front & back walls 110 units each

Use 2 x 10m long panels type 10 brace

Ends require 215 units each

Use 2.9m long large - scale

$$V = 40$$

$$S_1 = 1.0$$

$$S_2 = 0.83$$

$$C \leq 1 \text{ Class B } h = 7.5$$

$$h = 1.0$$

$$q = 0.63 \text{ kN/m}^2$$

$$F = 0.68 \times 5.4 \times 6.0 \times 1.2$$

$$= 26.3 \text{ kN}$$

From Bracing 20 units = 16m

= 52.5 units use 480

262 units top

Require whole or of building to be
sheathed in type 10 brace with windows
and eave

Sub Floor bracing 26.3 kN Spinal

17.5 kN lateral

Frontal 3 poles cantilever 9 kN each at 16m

$$M_{\text{max}} \text{ given } \& \text{ roof } = 677.5$$

$$AB = 15.7$$

$$K = k_1 k_2 = 1.5 \times 1.25 = 1.875$$

$$h = 8.5 \text{ m/m}^2 \text{ etc.}$$

embedment etc.

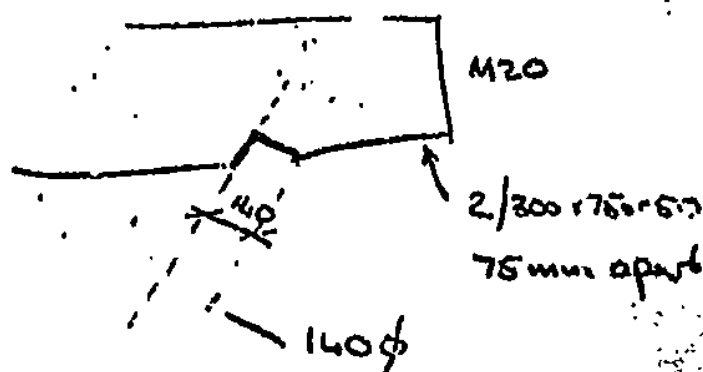
lateral rear poles lateral 17.5 = 3.0 kN each etc.

no bracing

Front use double diag. bracing 16m

① Beams 2 / 300 x 75 central
2 / 300 x 50 ends

② Diagonal strut supporting end of beam to be notched in to beam to take load in bearing.



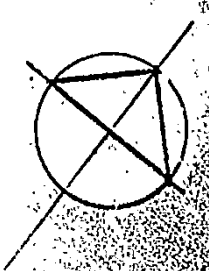
③ Beams are to be supported on the poles with 50mm seat



④ Pole hole diameter 400 mm

⑤ Structure bracing require 2 / 1.0m long braces in front wall & back wall & whole of side walls with windows cut out. Braces to be gib bonded on inside & 6mm plywood on outside.

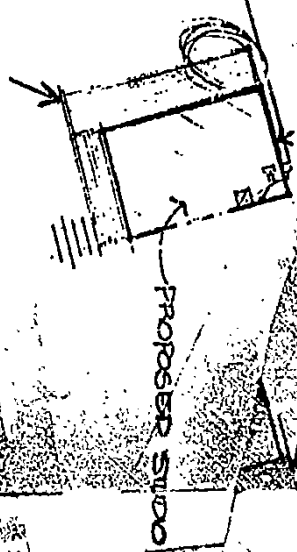
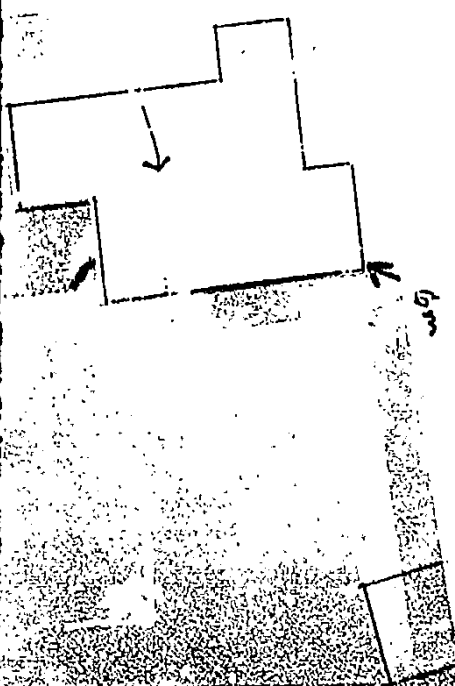
⑥ Sub floor bracing in the rear piles are to be less than 1.0m from ground to top of beam in the rear. Diagonal braces can be debited mm. Note that these rear piles are also bracing in the opposite direction.



SITE PLAN 1800

LEGAL DESCRIPTION

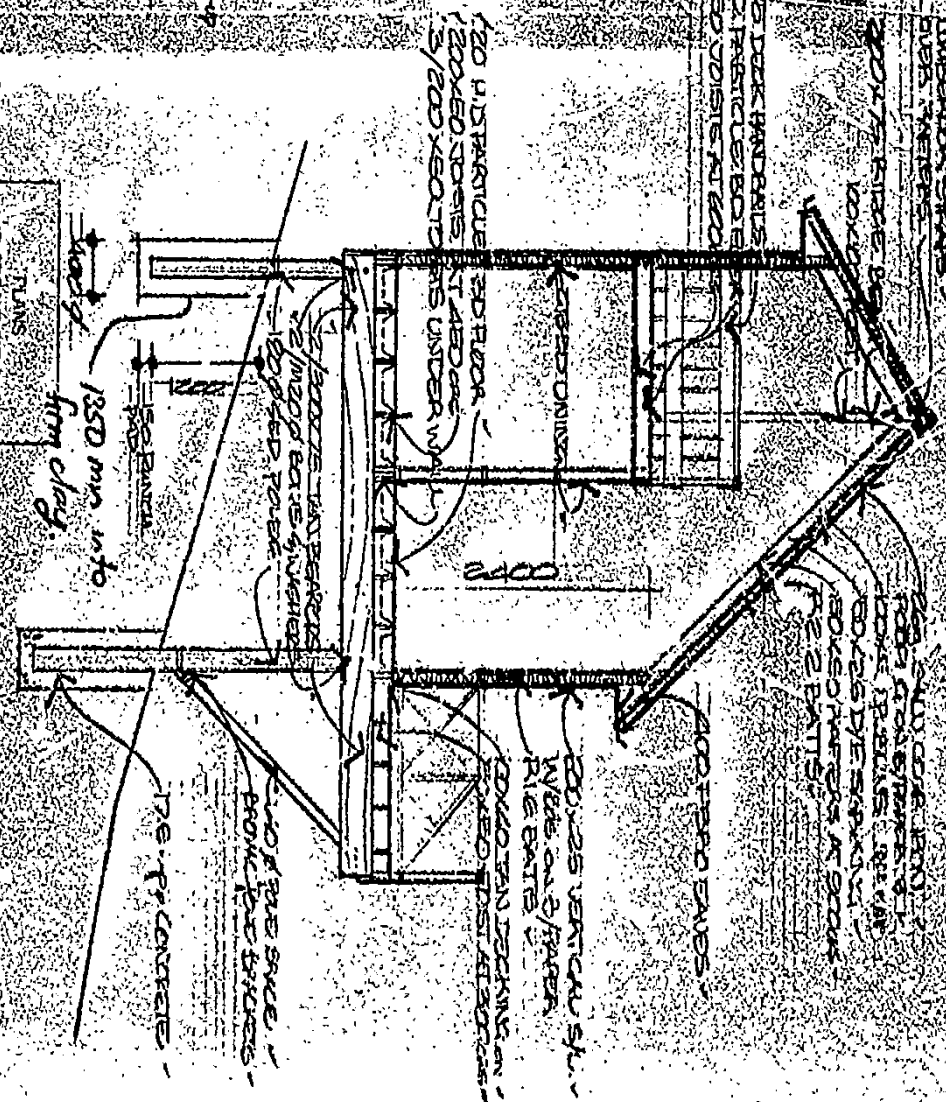
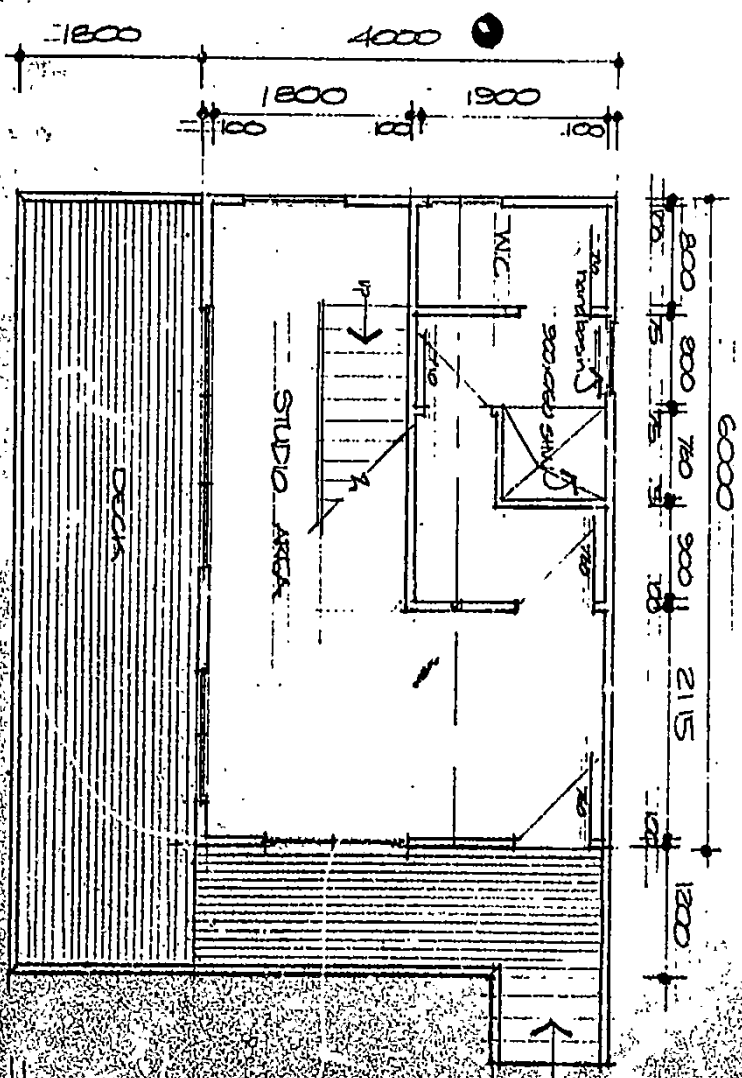
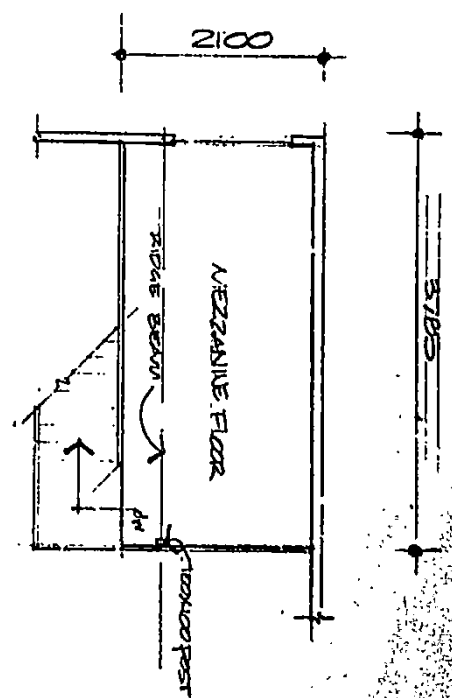
LOT 6
D.P. 1974
4172 AC



PLUMBING	APPROVED
DRAINAGE	APPROVED
DATE 2-12-86	APPROVED

PLANS AND SPECIFICATIONS APPROVED SUBJECT TO SUCH CONDITIONS AS ARE TO BE ENDORSED ON OR APPENDED TO BUILDING PERMIT
SIGNED: <i>[Signature]</i> 23-11-86 BUILDING INSPECTOR

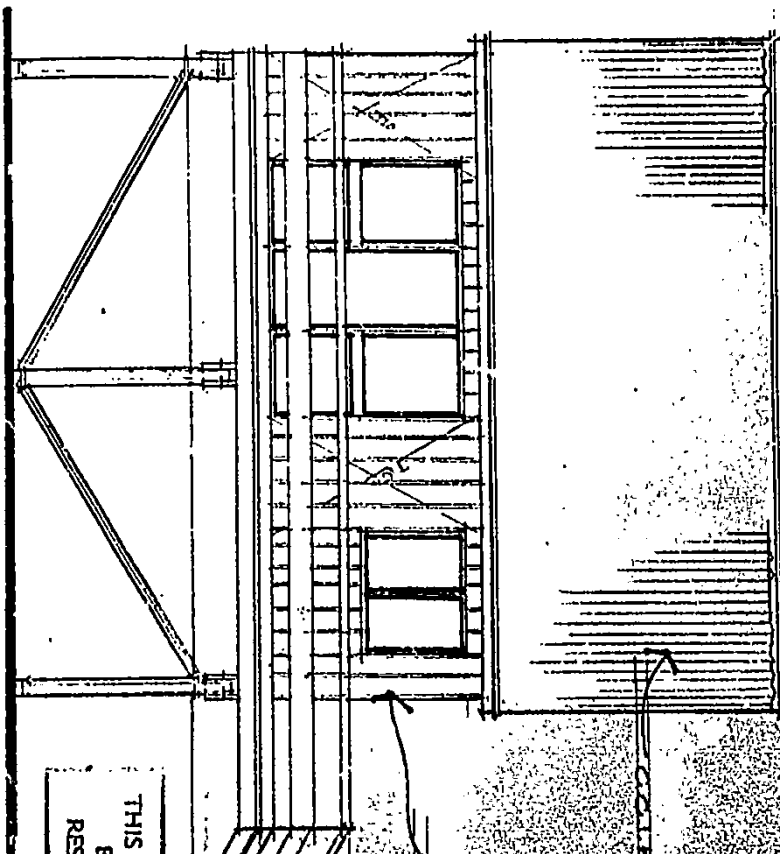
PROPOSED STUO
MR. & MRS. P. ANDERSON
BEAUMONT POINT
KAWAII ISLAND



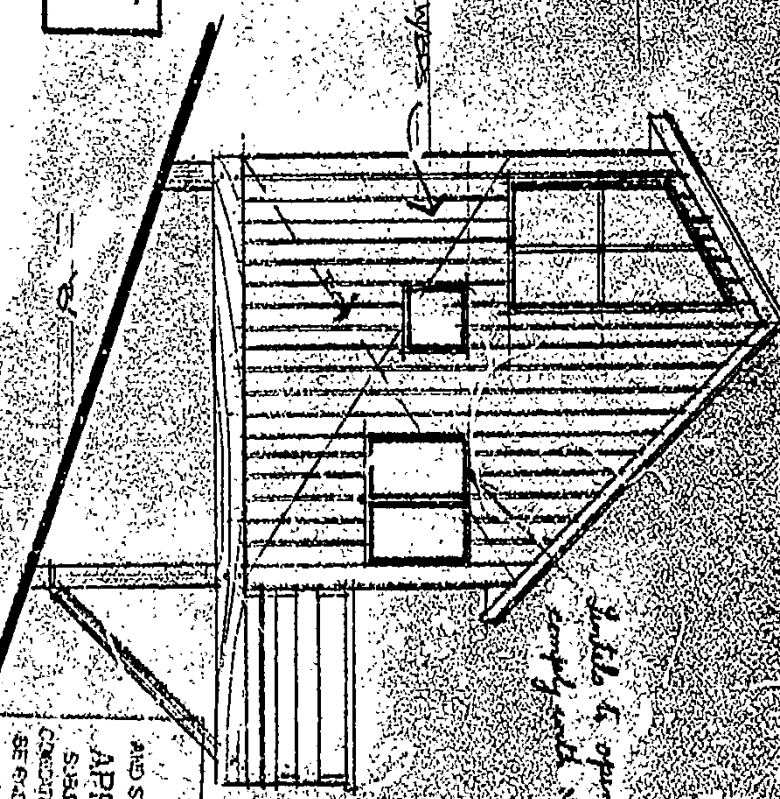
DAN:eo

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 08-28-2008 BY 60322
UCBAW/STP

THIS BUILDING MUST NOT
BE USED FOR ANY
RESIDENTIAL PURPOSE



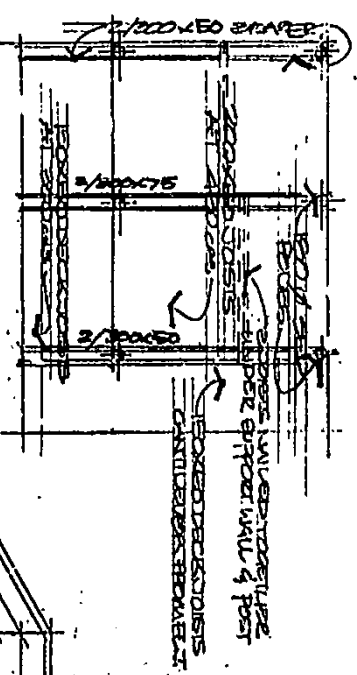
THIS BUILDING MUST NOT
BE USED FOR ANY
RESIDENTIAL PURPOSE



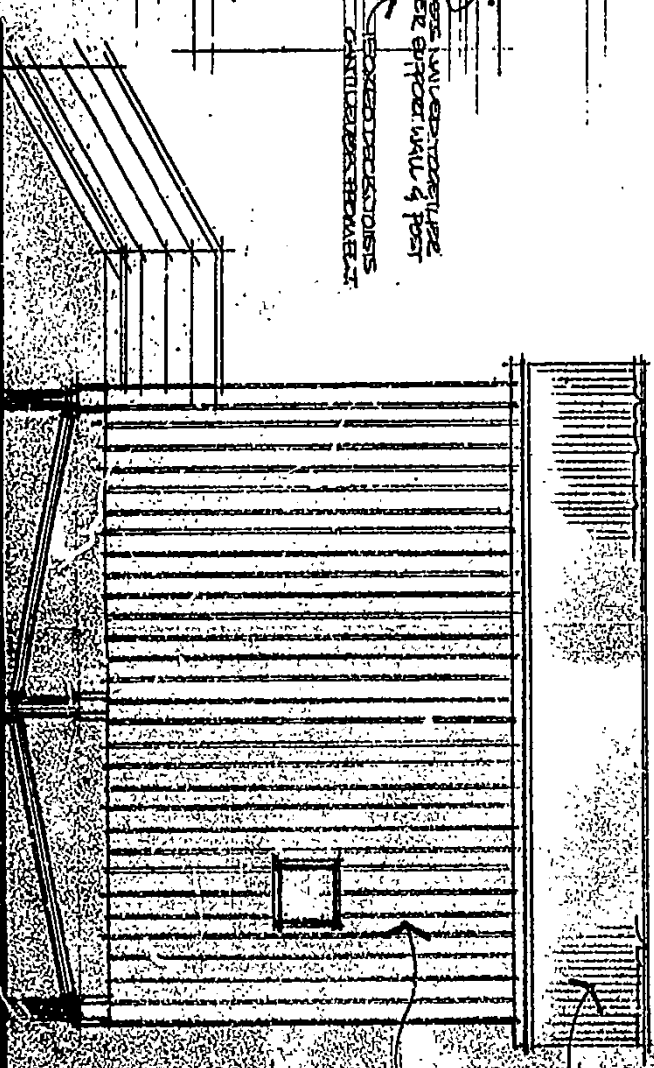
2nd flr & opening on 2nd
comply with N.E.S. 5608 Table 1

PLANS
AND SPECIFICATIONS
APPROVED
SUBJECT TO SUCH
CONDITIONS AS ARE TO
BE FURNISHED ON OR
BEFORE THE
ISSUING PERMIT

SIGNED: *[Signature]*
BUILDING INSPECTOR



SUB FLOOR 16100



VERTICAL SUPPORT POST

(710 - 418 82 4111111111)
(Note from NY 1111111111)
CROSSING

ELEVATIONS

