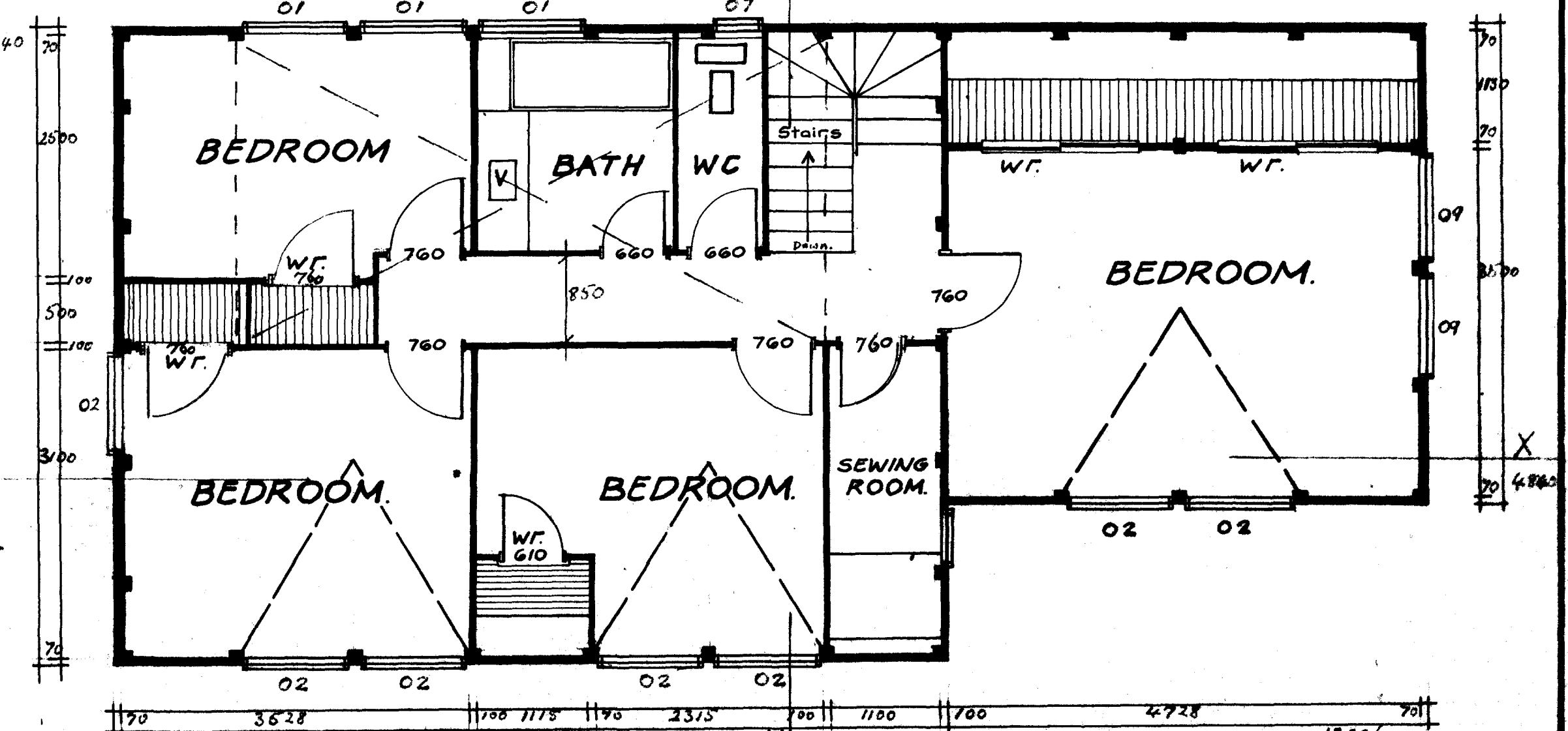
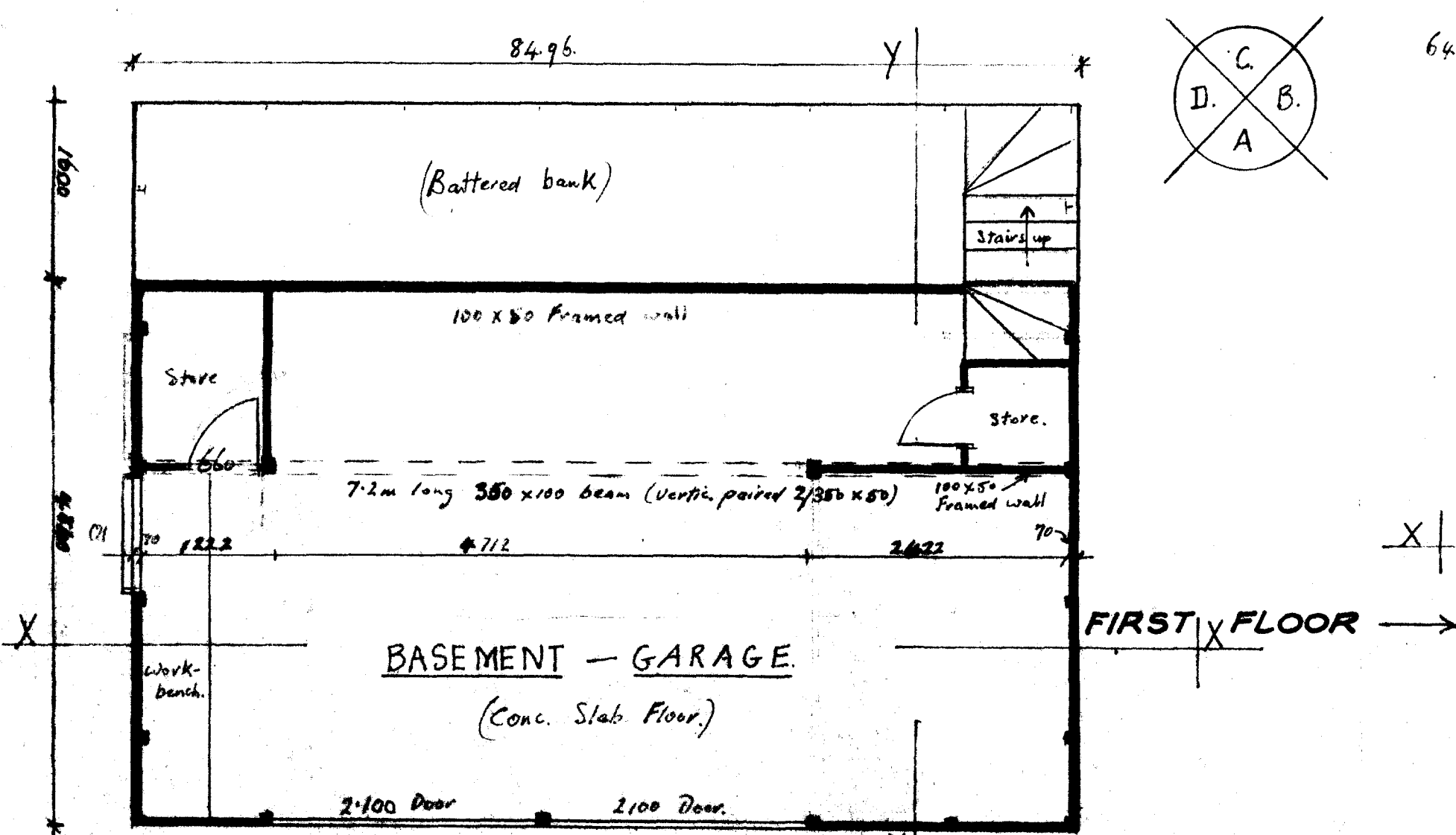
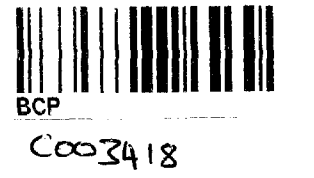
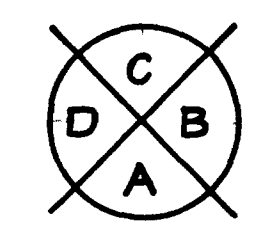
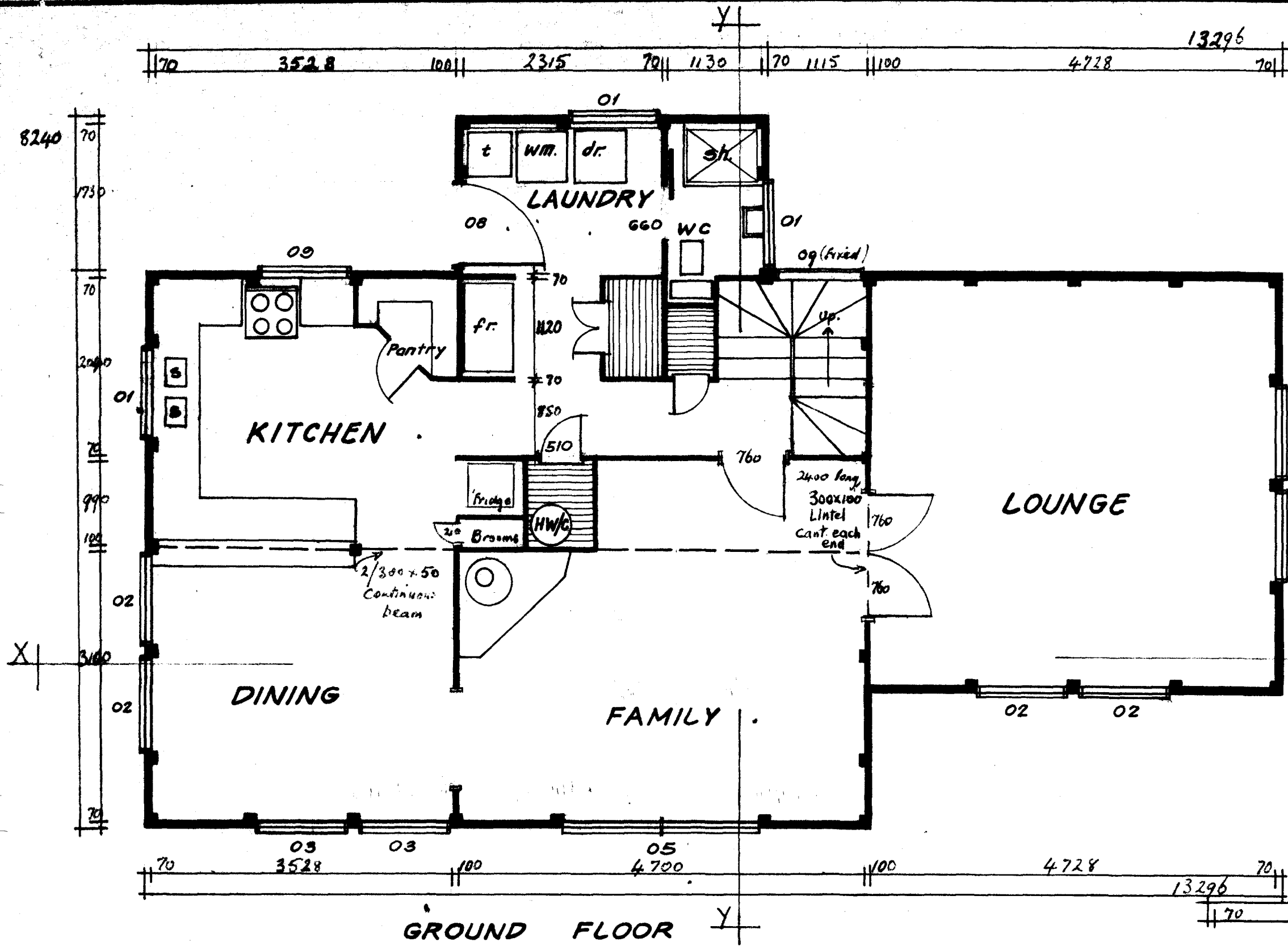




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**PORTAL LOCK PLAN**

FOR J. & N. KLUMP.  
AT ROTORUA

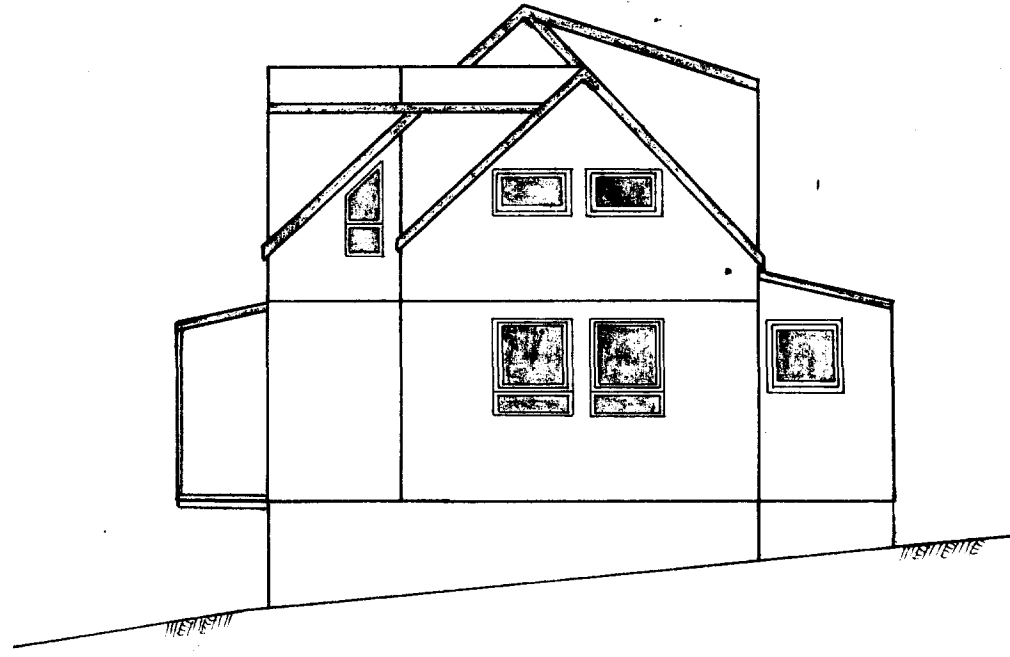
Date 10.5.84

Drawn MGB.

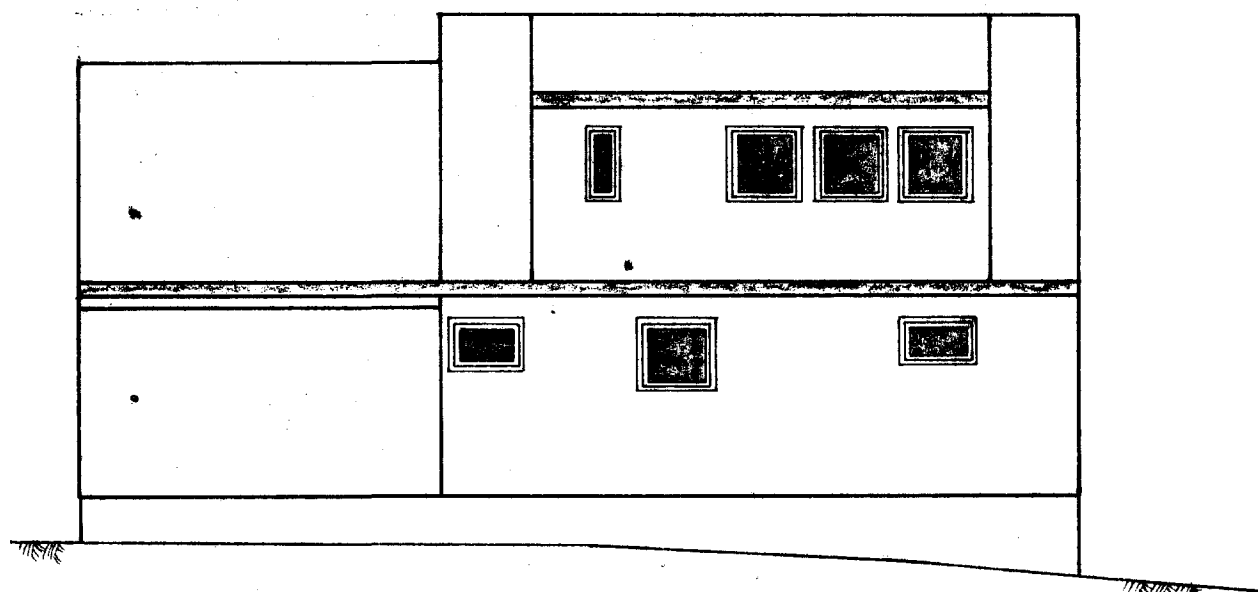
**portal-lock**



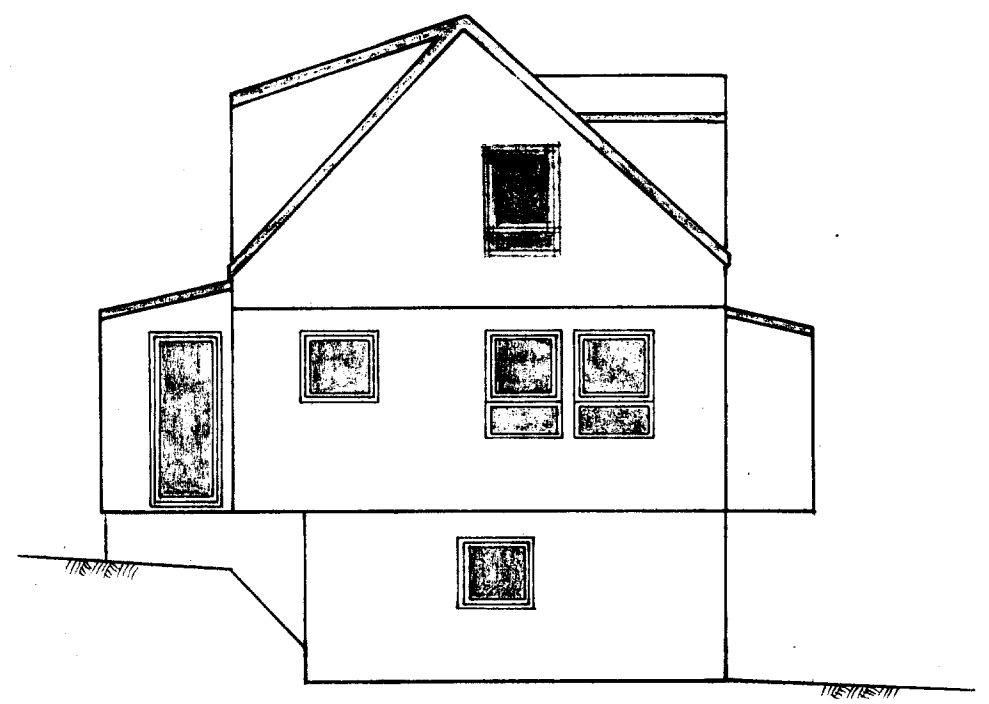
ELEVATION A



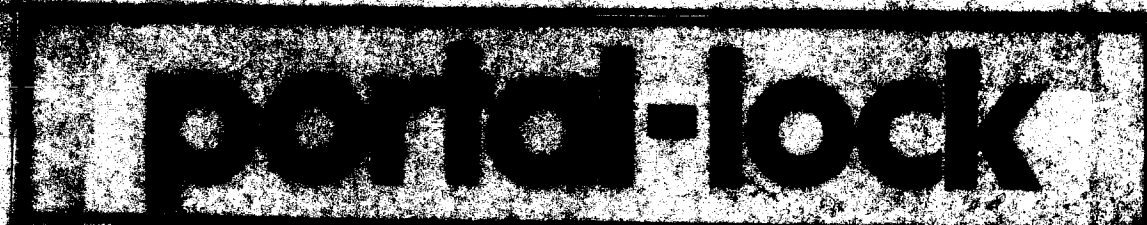
ELEVATION B



ELEVATION C

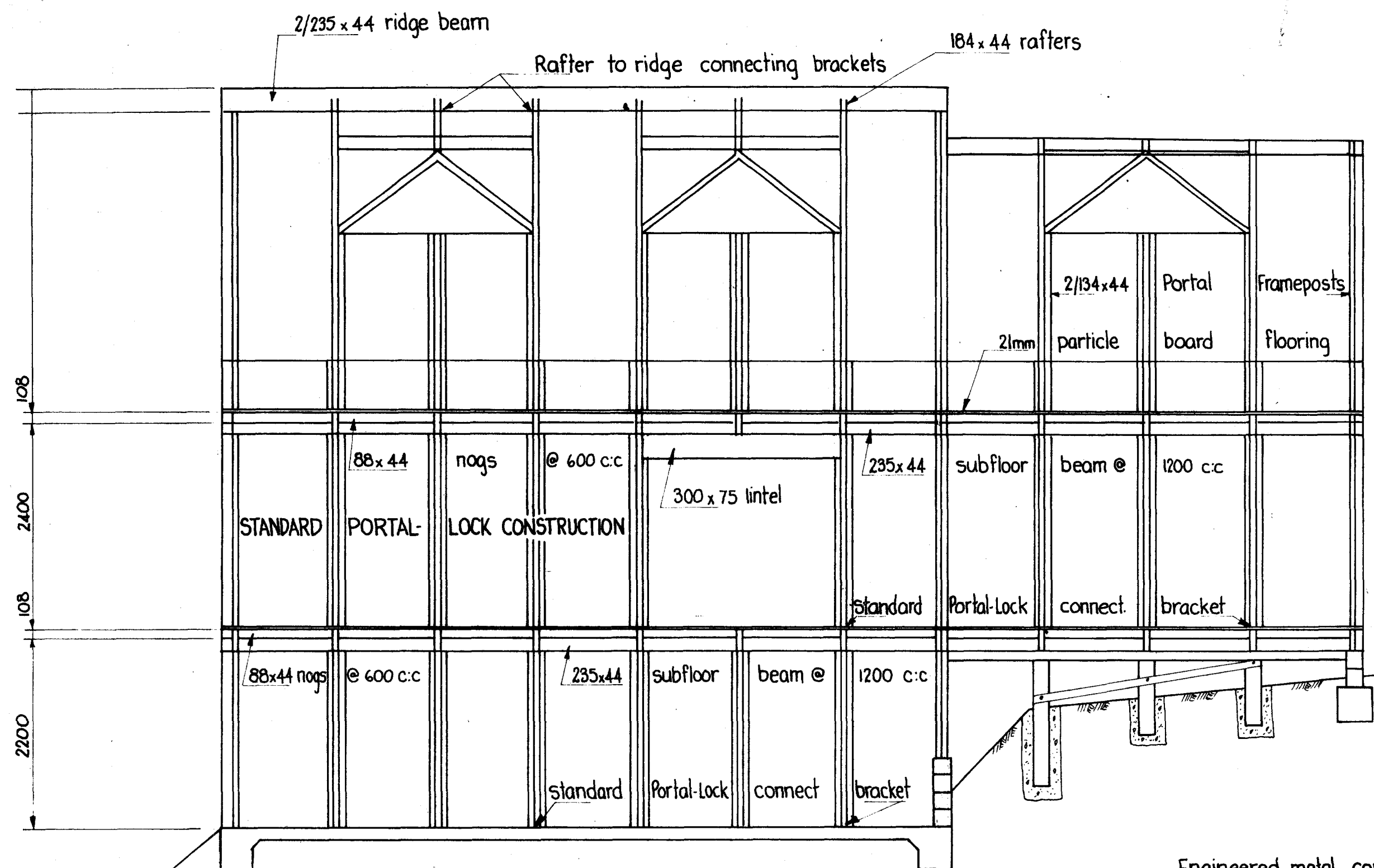


ELEVATION D



FOR J. & N. KLOMP  
AT ROTORUA

|                   |  |                     |              |            |
|-------------------|--|---------------------|--------------|------------|
| DRAWN <i>J.G.</i> |  | CHECKED             | SCALES       | SHEET      |
| TRACED            |  | DATE <i>14/5/84</i> | <i>1:100</i> | <i>2/5</i> |
|                   |  | SERIES OF           |              | REF        |

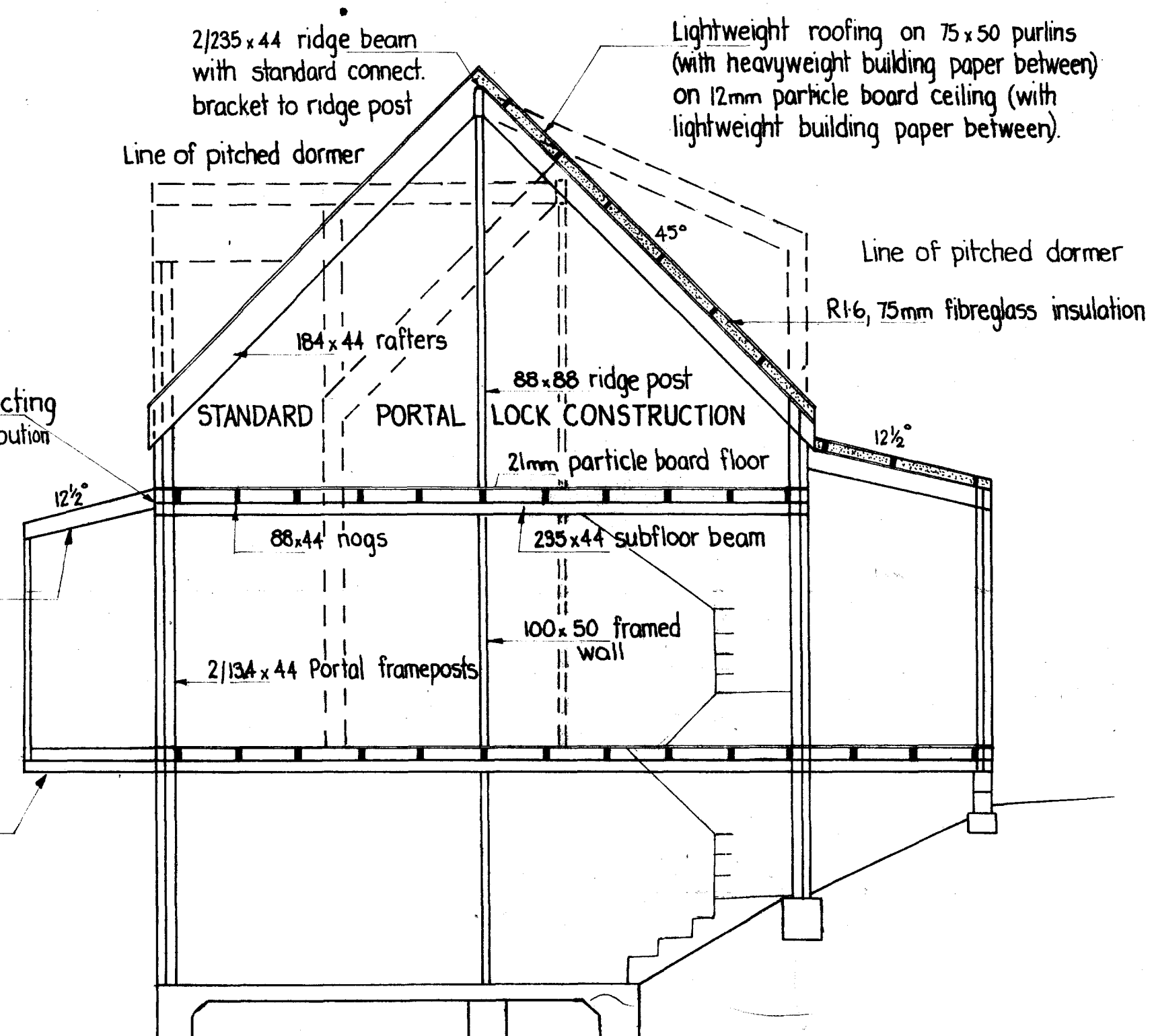


CROSS - SECTION X-X  
Scale 1:50

Engineered metal connecting channel for load distribution

150x50 beam

cantilevered verandah



CROSS - SECTION Y-Y  
Scale 1:50

SHEET

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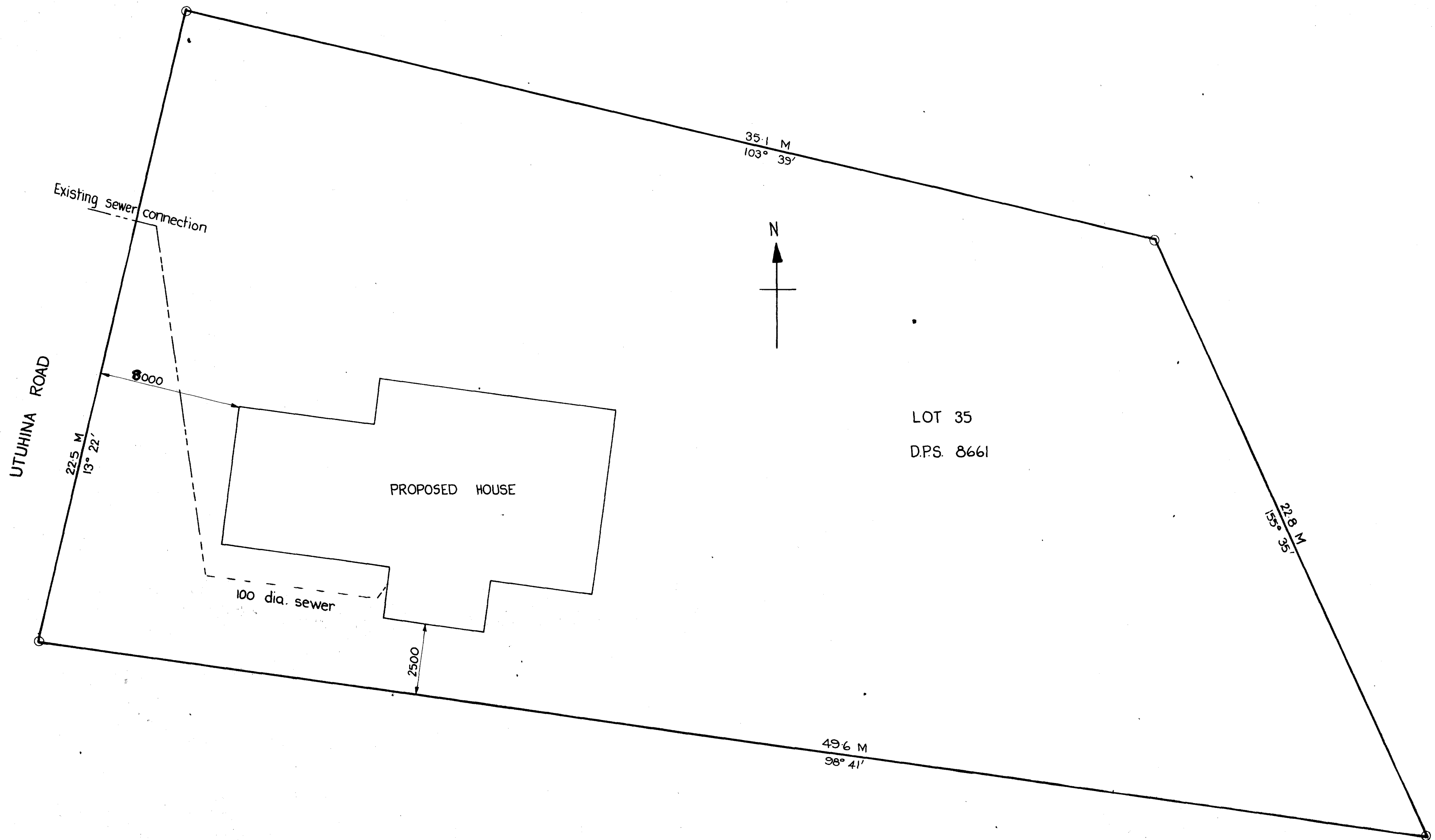
PORTAL LOCK PLAN FOR J. & N. KLOMP  
AT ROTORUA

Date

Drawn

**portal-lock**





LOT 35  
D.P.S. 8661

SITE PLAN  
Scale 1:100

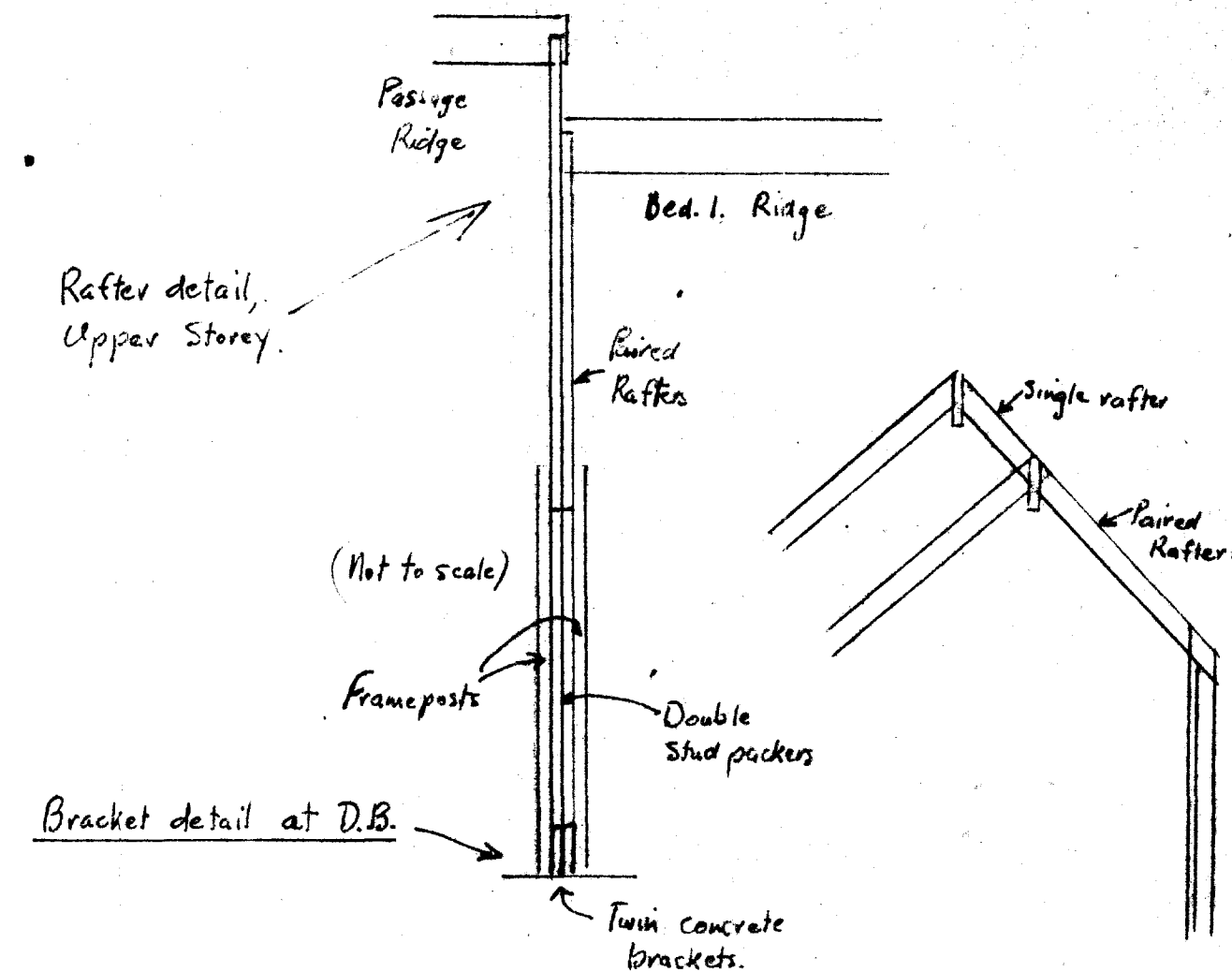
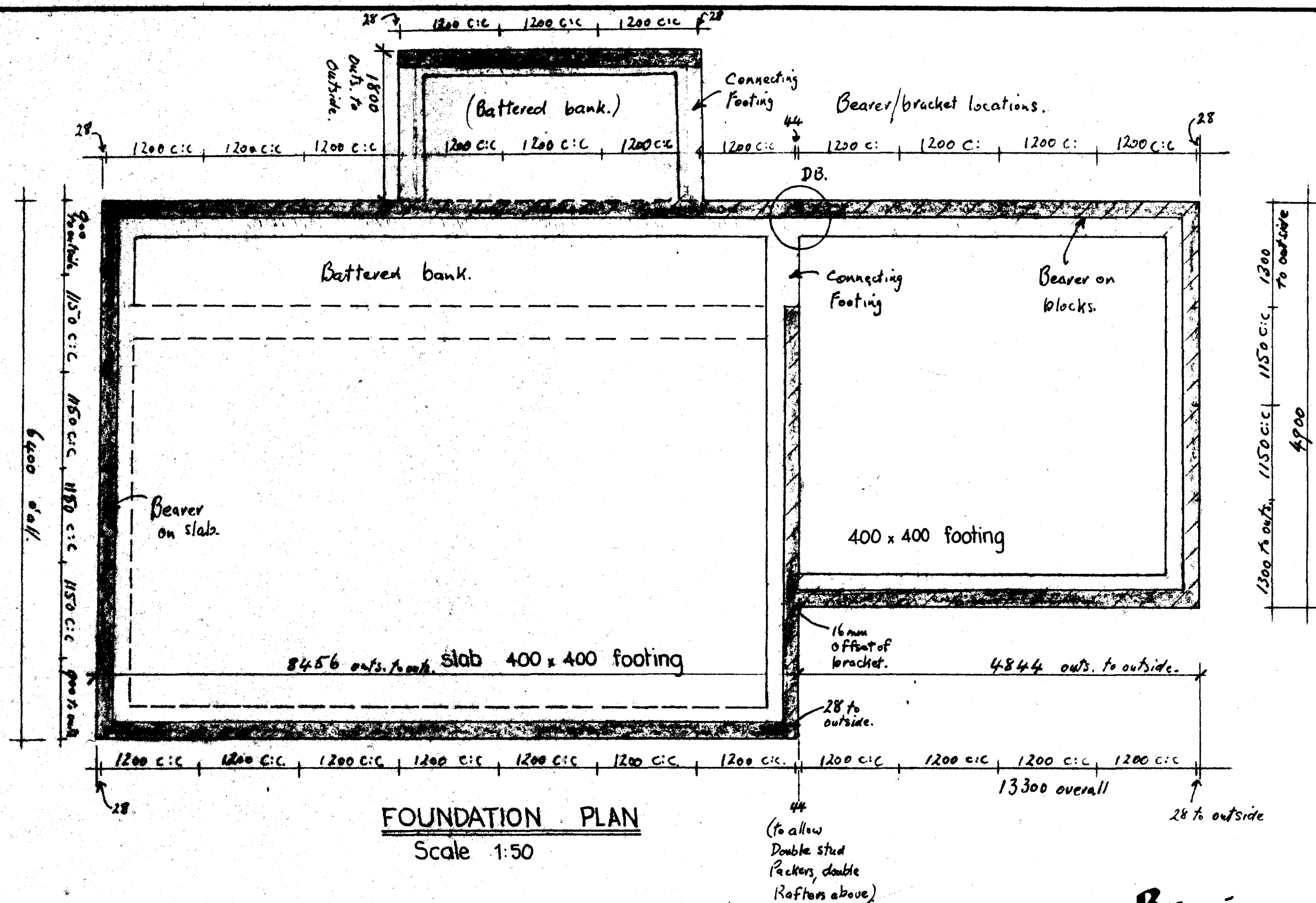
SHEET

**portal-lock**

FOR J & N. KLOMP  
AT ROTORUA

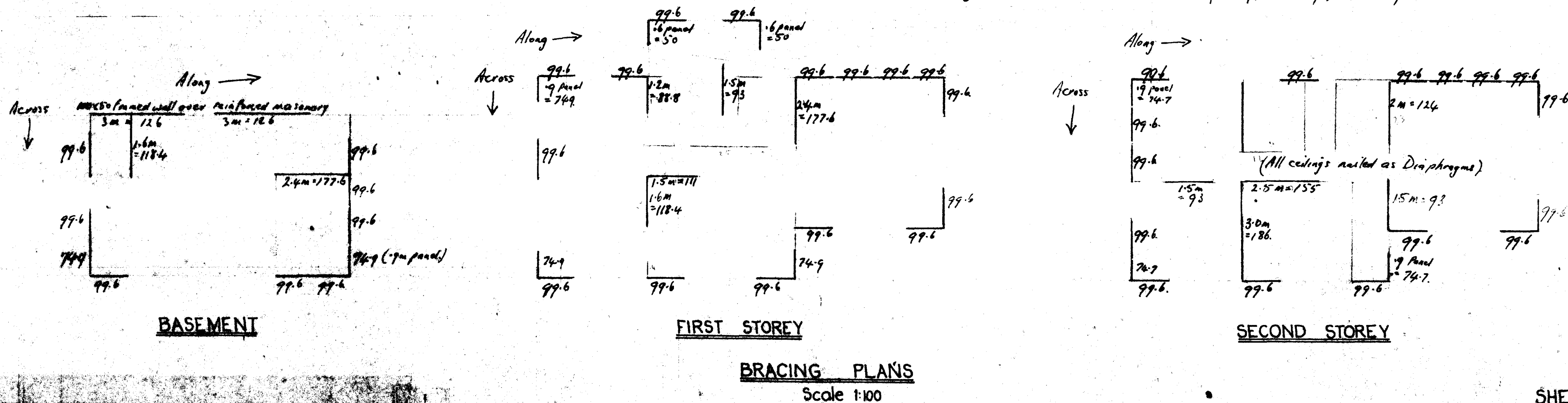
|                   |              |        |           |
|-------------------|--------------|--------|-----------|
|                   |              |        | SHEET     |
|                   |              |        | 4.        |
| DRAWN <i>B.G.</i> | CHECKED      | SCALES | SERIES OF |
| TRACED            | DATE 14/5/84 | 1:100. | REF       |





**Bracing** = Reference: Portal-Lock panels = 83 B.U's/M = 99.6 B.U's per 1.2m module.

Conventional Angle brace, Sheet 2 sides = 62 B.U.'s/M. upper storey; 74 B.U.'s/M elsewhere. Reinforced masonry: 42 B.U./m



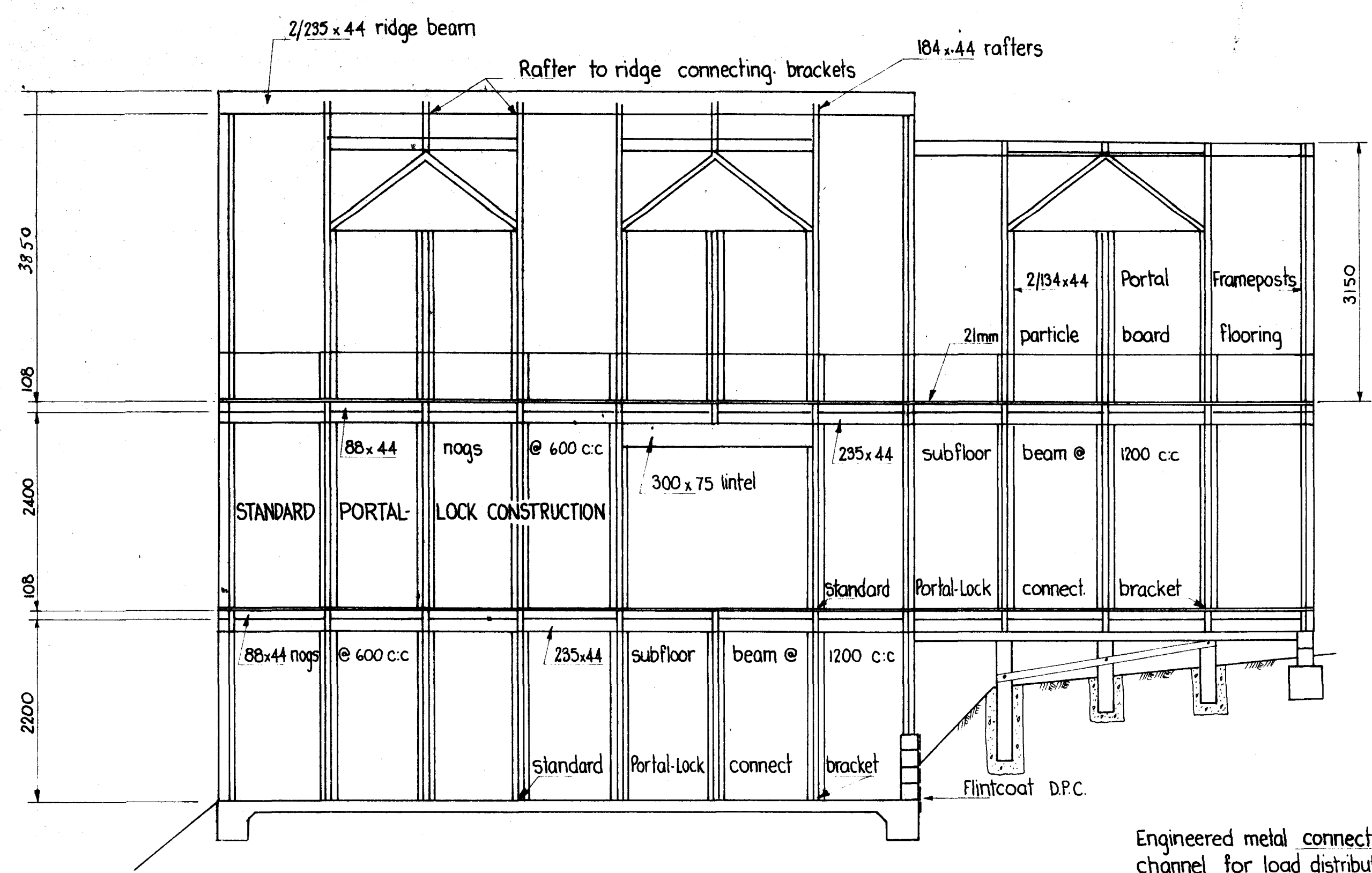
SHEET

# portal-lock

FOR J. & N. KLOMP  
AT ROTORUA

|                           |                        |                             |             |
|---------------------------|------------------------|-----------------------------|-------------|
|                           |                        |                             | SHEET<br>5. |
| DRAWN<br><i>B.G./D.H.</i> | CHECKED                | SCALES<br><i>1:50 1:100</i> | SERIES OF   |
| TRACED                    | DATE<br><i>12/5/74</i> |                             | REF         |

Rec 15-6-84

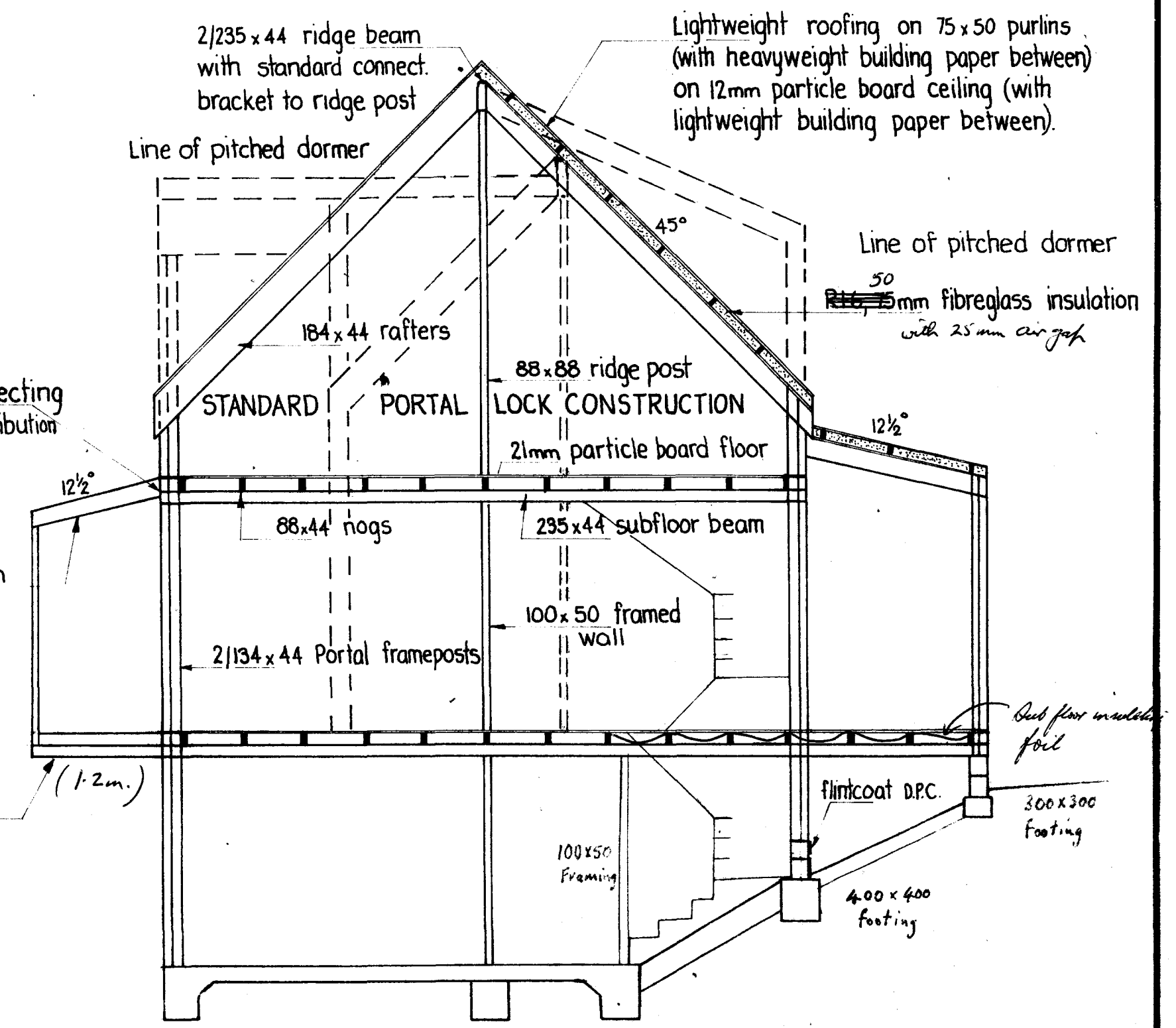


CROSS - SECTION X-X  
Scale 1:50

Engineered metal connecting channel for load distribution

150x50 beam

cantilevered verandah (1.2m.)



CROSS - SECTION Y-Y  
Scale 1:50

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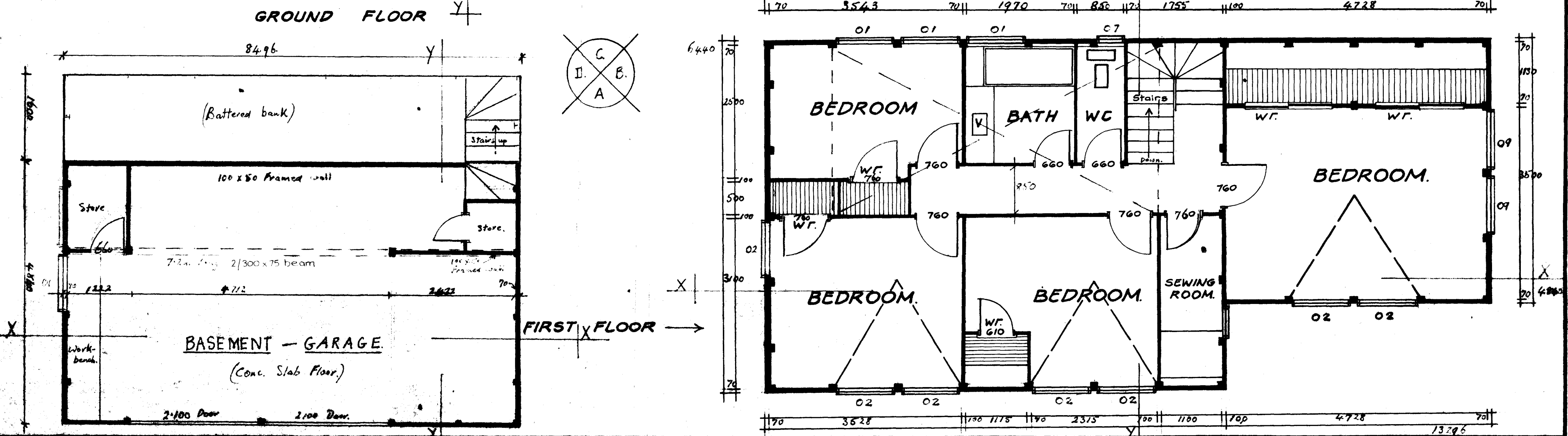
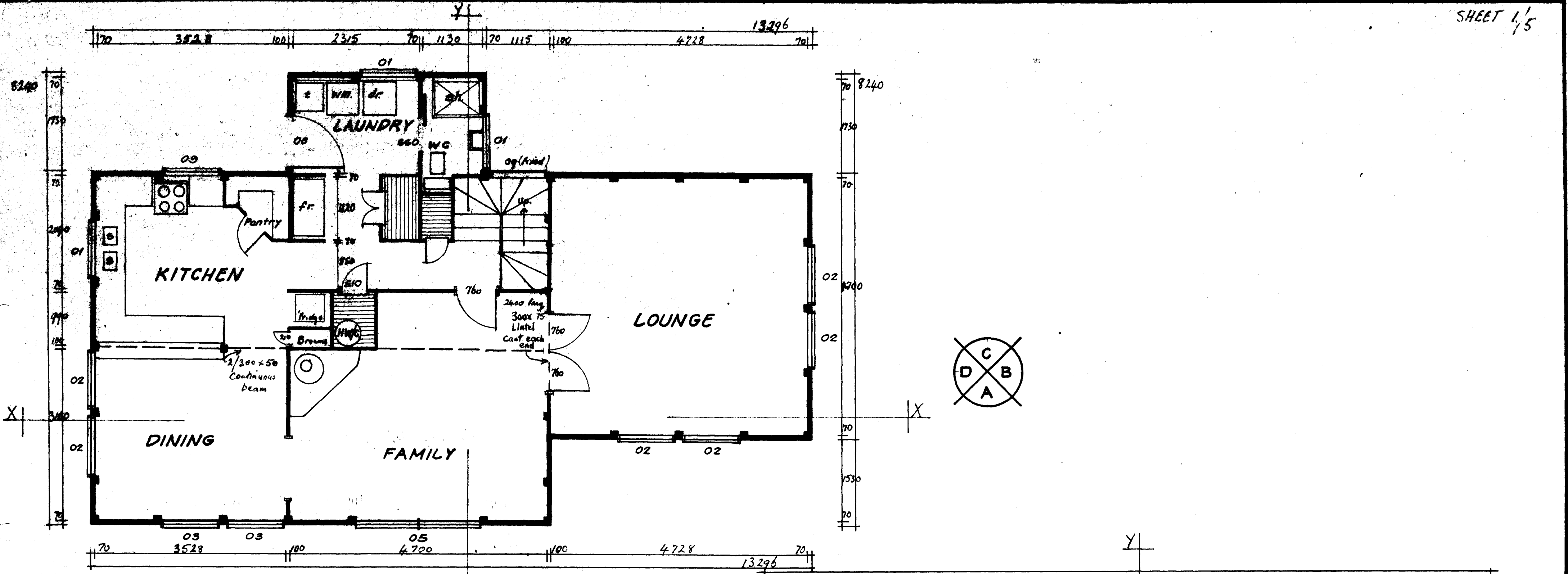
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PORTAL LOCK PLAN FOR J. & N. KLOMP AT ROTORUA

Date 14/5/84 15/6/84

Drawn B.G.

portal-lock



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PORTAL LOCK PLAN

FOR J. & N. KLOMP.  
AT ROTORUA

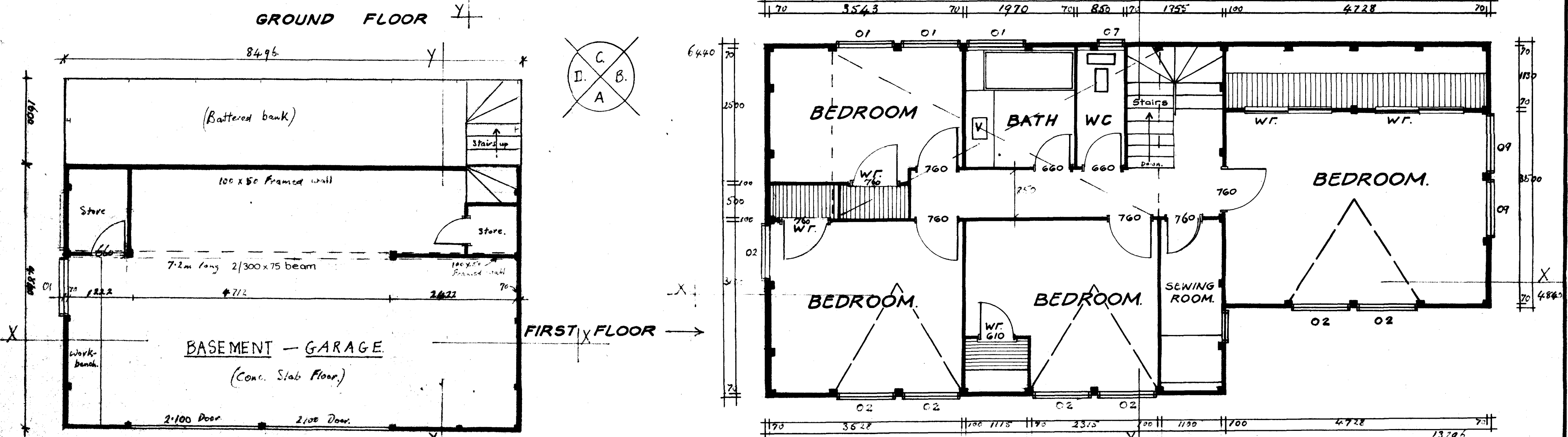
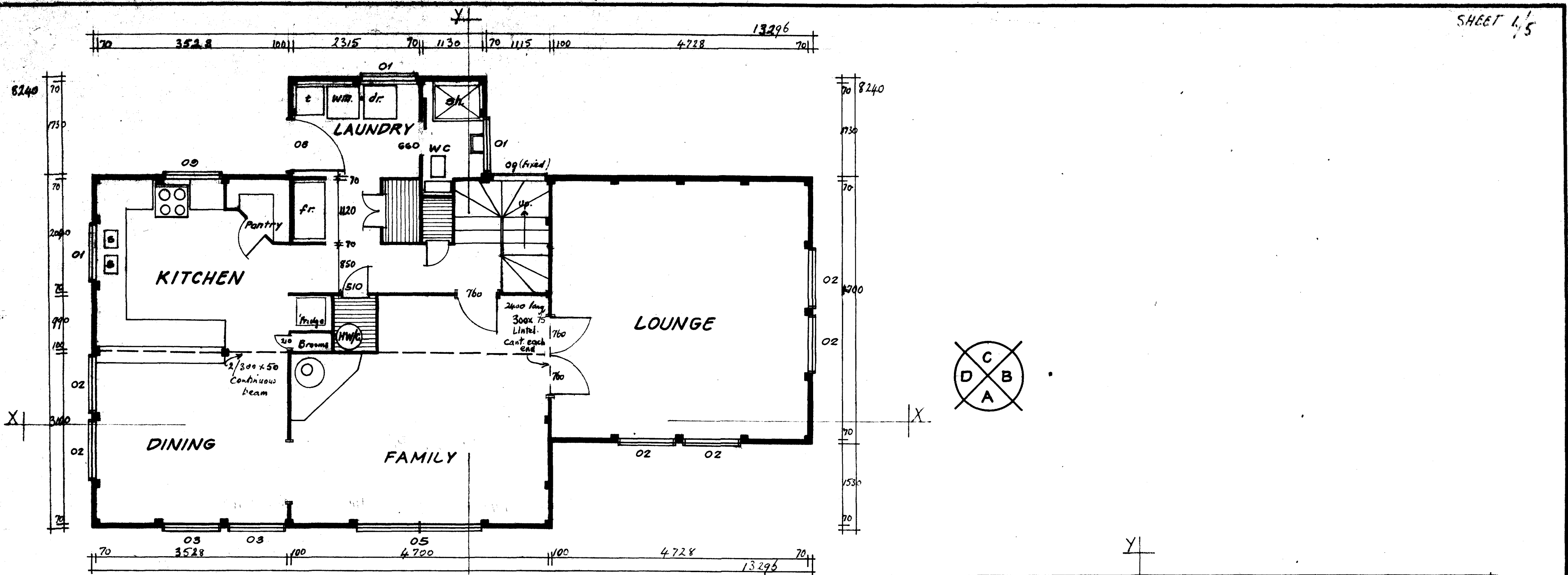
Date 10.5.84  
15/6/84  
Drawn MGB.

portal-lock



PLANS APPROVED SUBJECT TO ALL RE-  
QUIREMENTS OF THE BY-LAWS AND  
HEALTH DEPT. BEING FULLY COMPLIED  
WITH.

Date 24.9.84 Permit Number 600348  
Inspector \_\_\_\_\_



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 NZ DESIGN CERTS 14856 14657  
 AUST. PATENT NOS 491281 39078

PORTAL LOCK PLAN

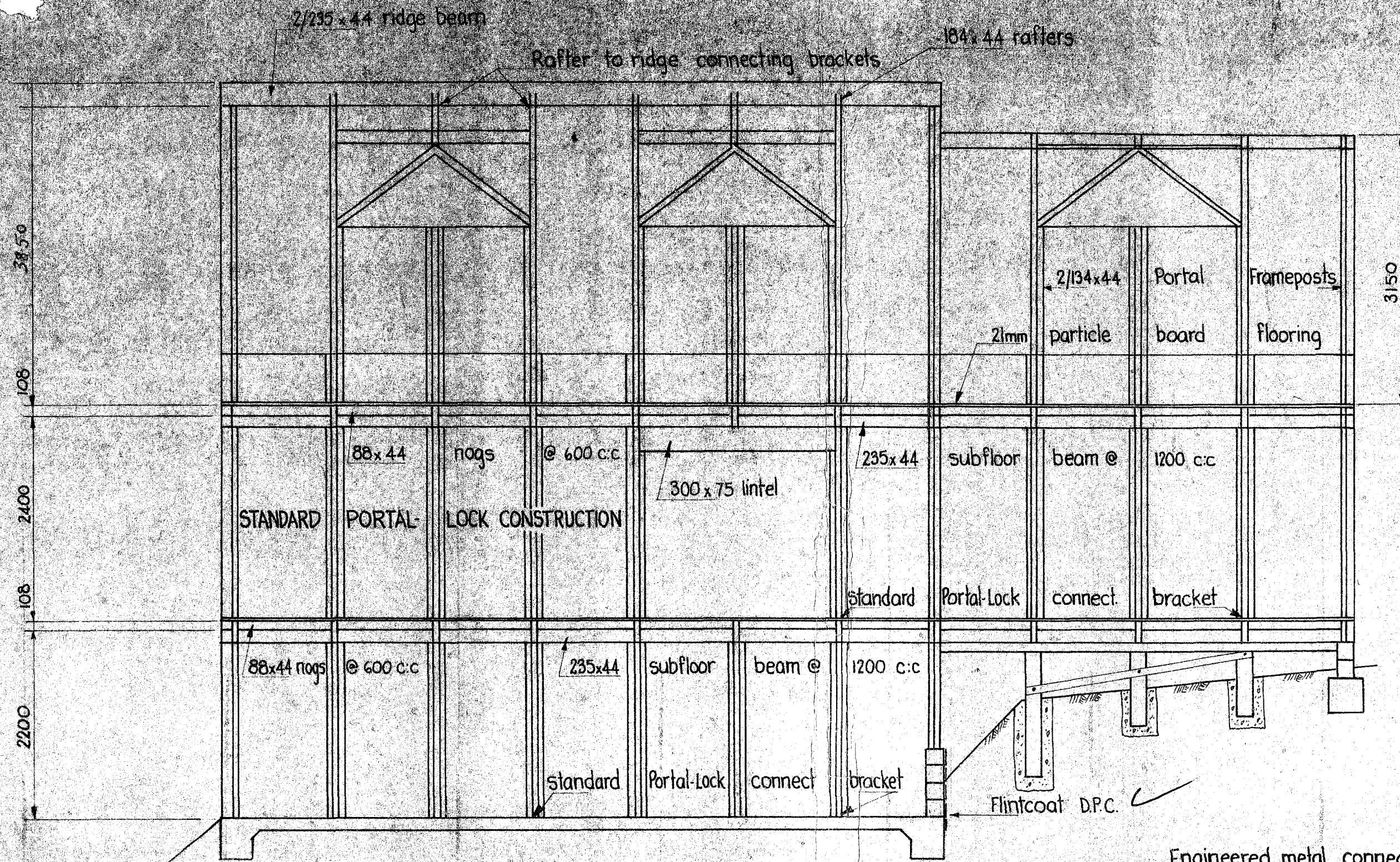
FOR J. & N. KLUMP.  
 AT ROTORUA

Date 10.5.84  
 15/6/84  
 Drawn MGB.

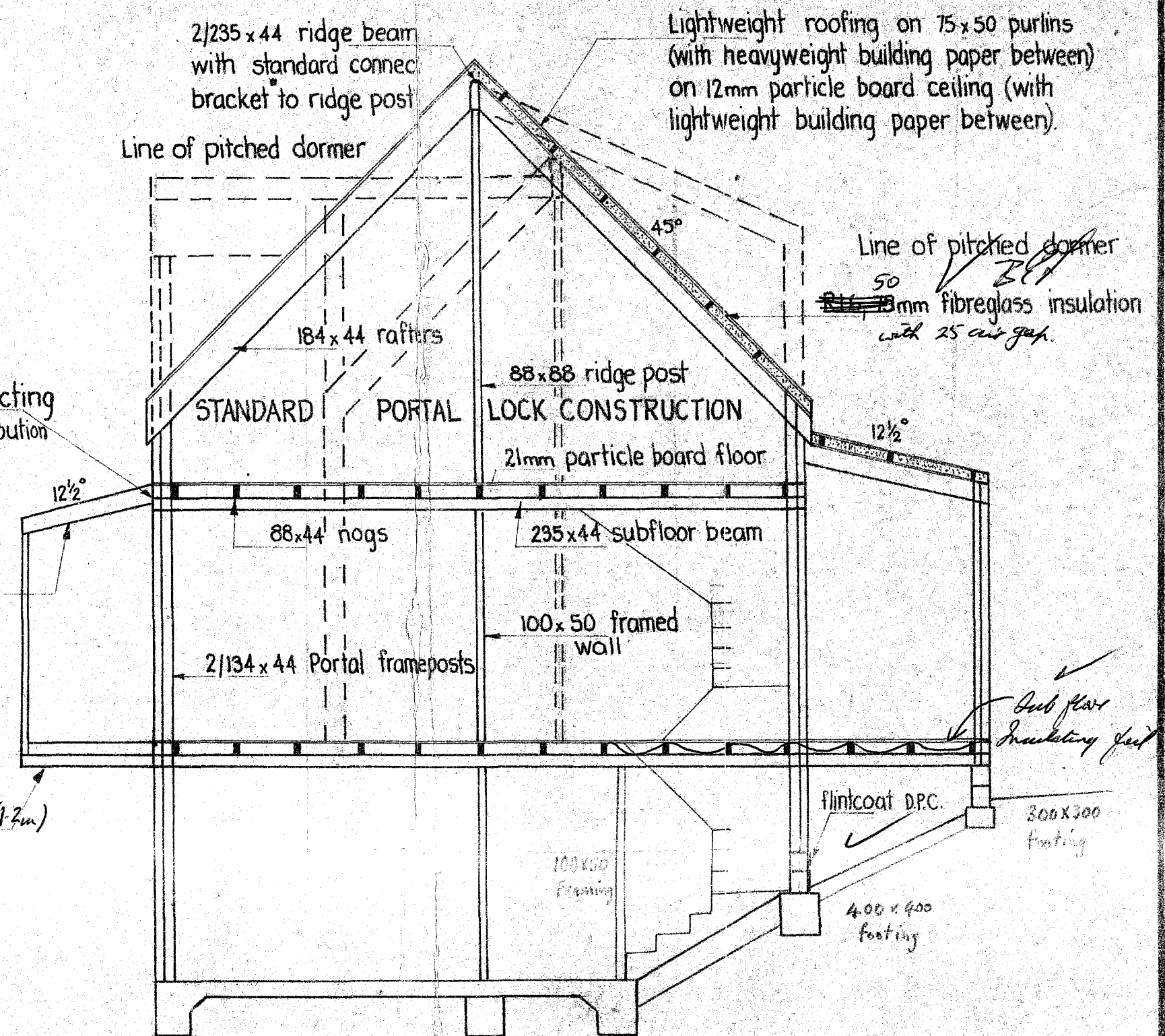
portal-lock

PLANS APPROVED SUBJECT TO ALL RE-  
QUIREMENTS OF THE HEALTH DEPT. BUILDING FULLY COMPLETED  
WITH. 60348  
Date 2698 Permit Number  
Inspector





CROSS - SECTION X-X  
Scale 1:50



CROSS - SECTION Y-Y  
Scale 1:50

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NZ DESIGN CERTS 14656 14657  
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PORTAL LOCK PLAN

FOR J. & N. KLUMP  
AT ROTORUA

Date

14/5/84  
15/6/84

Drawn

B.G.

portal-lock