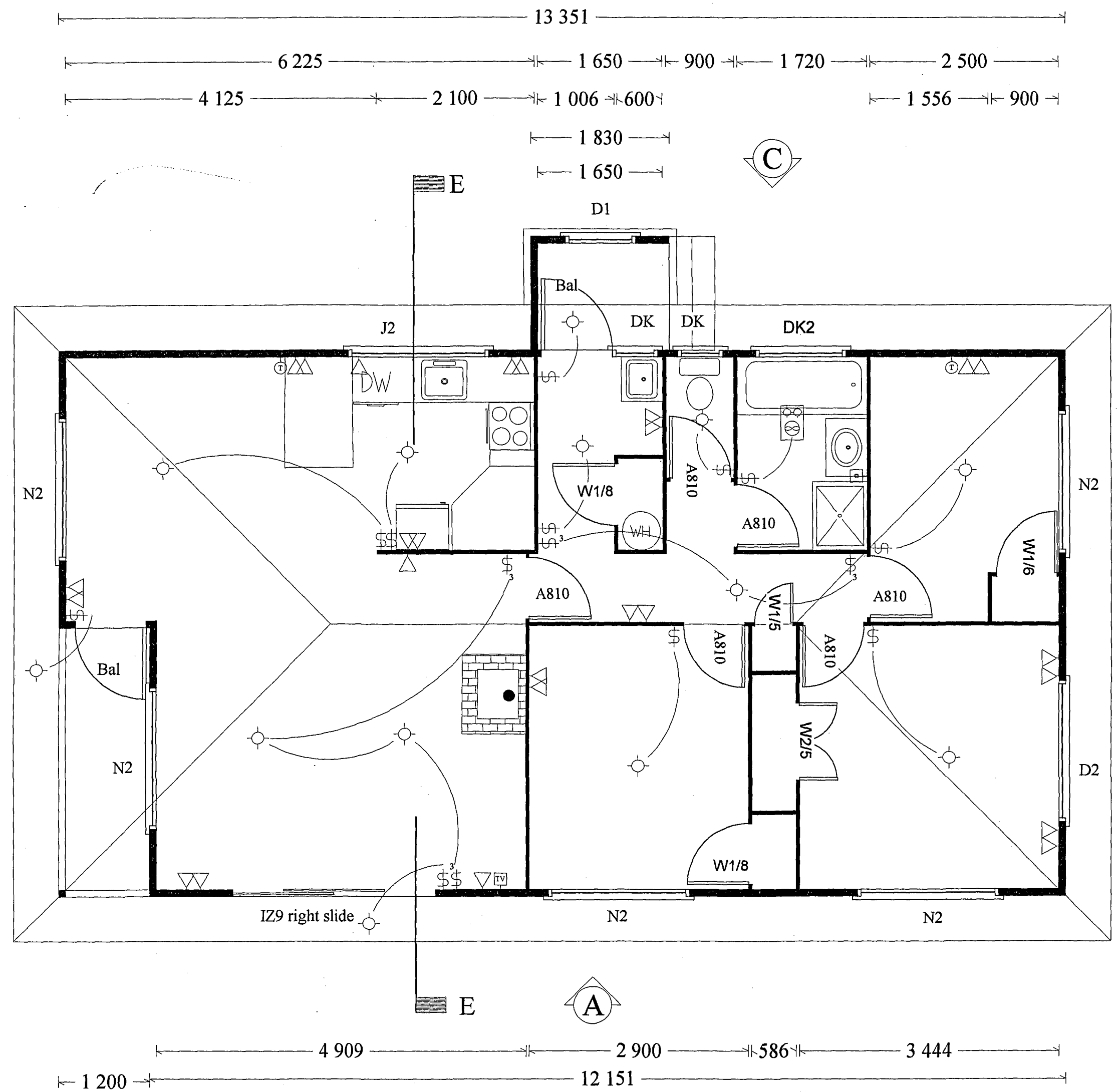


PLANS APPROVED SUBJECT TO ALL
 REQUIREMENTS OF THE BUILDING ACT
 1991 BEING FULLY COMPLIED WITH
 Date 20.9.99 Consent Number 1582
 Officer *[Signature]*



7 200
 3 554
 4 432
 3 488
 1 500
 3 646
 3 466
 2 544
 2 144
 1 410
 1 300

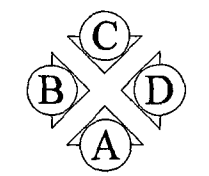


2 844
 1 600
 1 000
 1 800
 3 488
 1 844
 1 600
 3 488
 7 200

4 909
 2 900
 586
 3 444
 1 200
 12 151

Scale 1 : 50

- single power point
- double power point
- light outlet
- range outlet
- switch
- sensor light // spot light
- TV jack point
- telephone jack
- shaver outlet
- recessed downlight



ELEVATION KEY

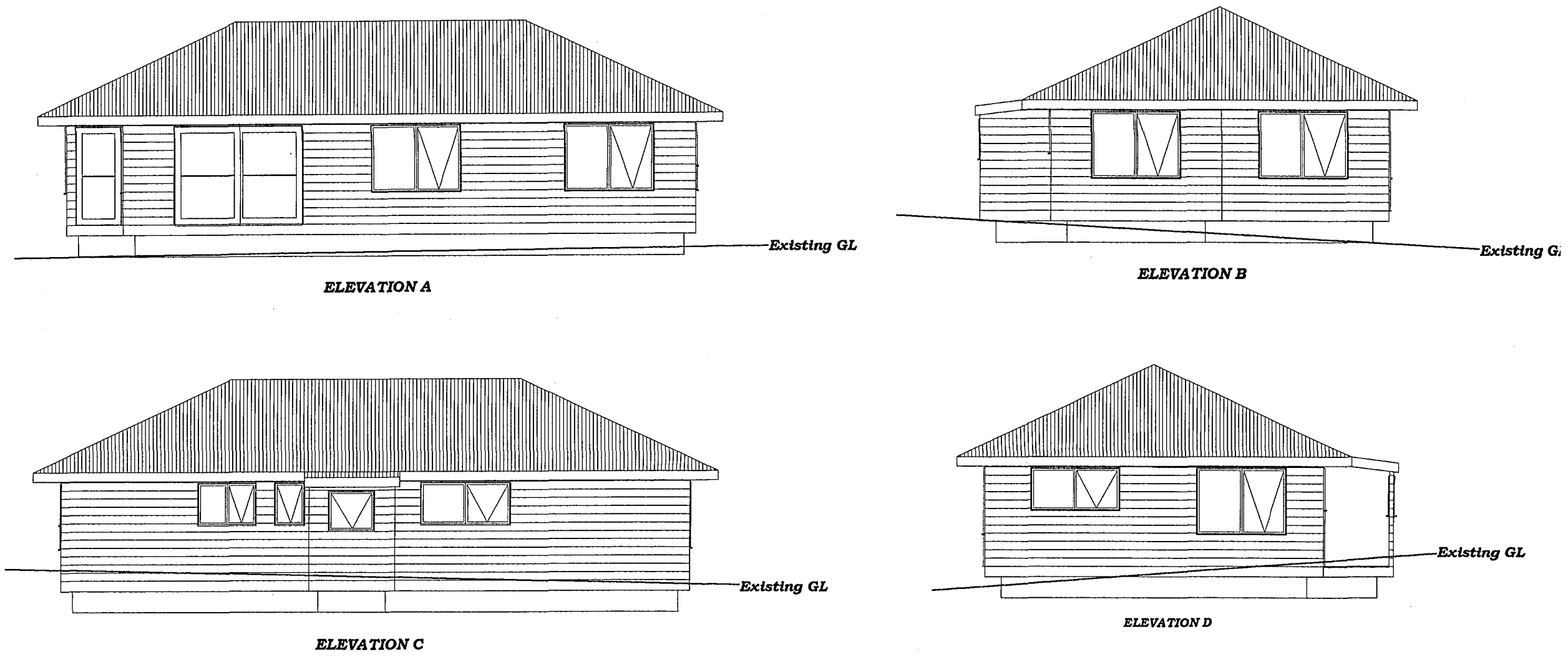


HODGES CONSTRUCTION LTD
 55 FAIRY SPRINGS RD, ROTORUA
 P O BOX 473 ROTORUA
 PH 07 347 6855

PROPOSED HOME FOR
B & R Coles
N & K Riley
 DESIGN Grenadier Enhanced
620 Teweta Rd, Waikite Valley

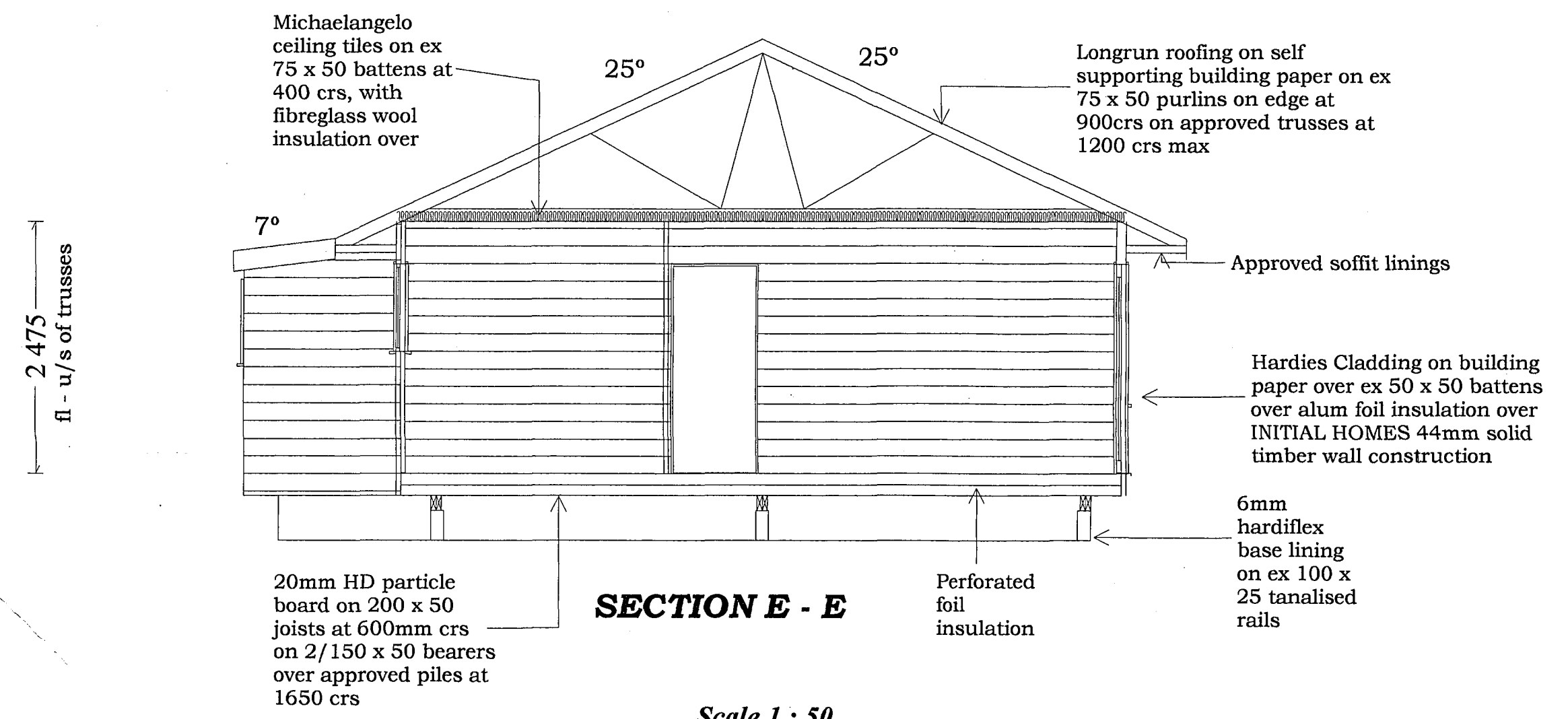
DRAWING Floor Plan
 FLOOR AREA 91.80 m²

SHEET 1 of 4
 DATE Aug 1999
 DESIGN Initial Homes



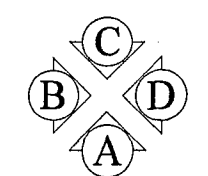
PLANS APPROVED SUBJECT TO ALL
 REQUIREMENTS OF THE BUILDING ACT
 1991 BEING FULLY COMPLIED WITH
 Date 20.9.99 Consent Number 1582
 Officer *[Signature]*

Scale 1 : 100



SECTION E - E

Scale 1 : 50



ELEVATION KEY



HODGES CONSTRUCTION LTD
 55 FAIRY SPRINGS RD, ROTORUA
 P O BOX 473 ROTORUA
 PH 07 347 6855

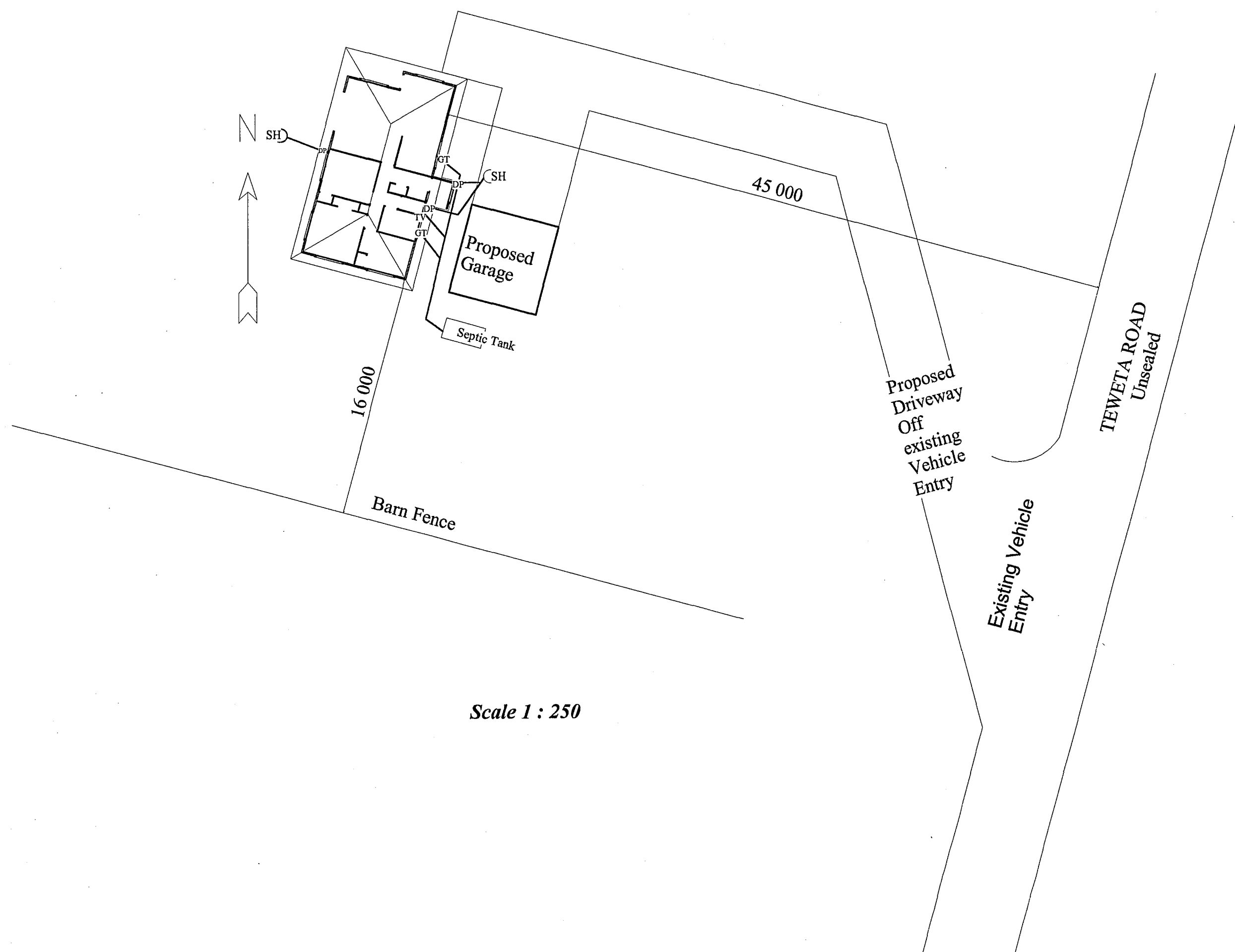
PROPOSED HOME FOR
 DESIGN Grenadier Enhanced

B & R Coles
N & K Riley
 620 Teweta Rd, Waikite Valley

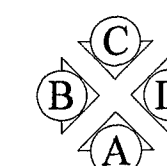
DRAWING Elevations &
 Section E - E
 FLOOR AREA 91.80 m²

SHEET 2 of 4
 DATE Aug 1999
 DESIGN Initial Homes

PLANS APPROVED SUBJECT TO ALL
 REQUIREMENTS OF THE BUILDING ACT
 1991 BEING FULLY COMPLIED WITH
 Date 20.9.99 Consent Number 1582
 Officer [Signature]



Scale 1 : 250



ELEVATION KEY



HODGES CONSTRUCTION LTD
 55 FAIRY SPRINGS RD, ROTORUA
 P O BOX 473 ROTORUA
 PH 07 347 6855

PROPOSED HOME FOR

DESIGN Grenadier Enhanced

B & R Coles
N & K Riley

620 Teweta Rd, Waikite Valley

DRAWING Site & Drainage

FLOOR AREA 91.80 m²

SHEET 3 of 4

DATE Aug 1999

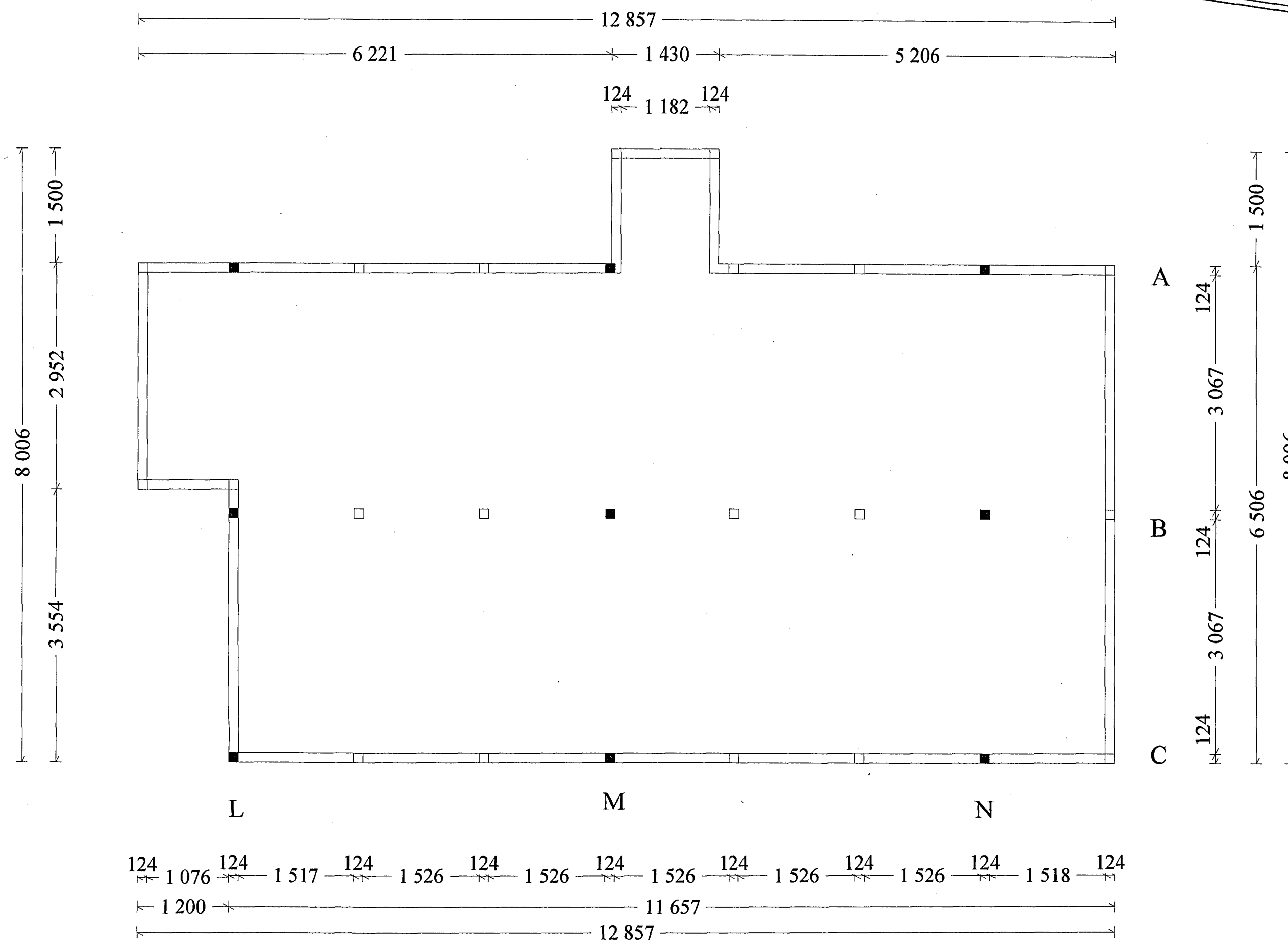
DESIGN Initial Homes

| Total B Us Required | Foundation Line | | Foundation Bracing Elements Required | | | | | |
|------------------------------|-----------------|-----------------------------------|--------------------------------------|-----------------------|--------|--------------|--------------|--------|
| | Label | Min BUs Req'd | Type | Rating BUs | | No of Braces | BUs Provided | |
| Along | | | | Wind | EQuake | | Wind | EQuake |
| Wind EQuake | A | 240 | 14 | 160 | 120 | 3 | 480 | 360 |
| 810 BUs / 160 = 6 Braces | B | 360 | 14 | 160 | 120 | 3 | 480 | 360 |
| 863 BUs / 120 = 8 Braces | C | 360 | 14 | 160 | 120 | 3 | 480 | 360 |
| | D | | | | | | | |
| | E | | | | | | | |
| Wind EQuake | F | | | | | | | |
| 810 BUs | 863 BUs | Total | 960 | | | Total | 1440 | 1080 |
| Across | L | 240 | 14 | 160 | 120 | 3 | 480 | 360 |
| Wind EQuake | M | 360 | 14 | 160 | 120 | 3 | 480 | 360 |
| 462 BUs / 160 = 3 Braces | N | 360 | 14 | 160 | 120 | 3 | 480 | 360 |
| 863 BUs / 120 = 8 Braces | O | | | | | | | |
| | P | | | | | | | |
| | Q | | | | | | | |
| Wind EQuake | R | | | | | | | |
| 462 BUs | 863 BUs | Total | 960 | | | Total | 1440 | 1080 |
| Storey | Single | Roof Type | | Light | | | | |
| | Upper of Two | Wall Type | | Light | | | | |
| | Lower of Two | Average Roof Pitch | | 25 ° | | | | |
| Site Wind Zone | Med | W = 71 BU s / m Across | | W = 63 BU s / m Along | | | | |
| E Quake Zone | A | E = 9.4 BU s / m² | | | | | | |
| Building Height | | B H = 4980 | | | | | | |
| Foundation Length | | F L = 12857 | | | | | | |
| Foundation Width | | F W = 6506 | | | | | | |
| Floor Plan Area | | F P A = 91.80 M² | | | | | | |
| EQuake B Us Along and Across | | E x F P A = 9.4 x 91.80 = 863 BUs | | | | | | |
| Wind B Us Across | | W x F W = 71 x 6.506 = 462 BUs | | | | | | |
| Wind B Us Along | | W x F L = 63 x 12.857 = 810 BUs | | | | | | |

Anchor Pile embedded 800mm into
350 x 350 x 900mm deep footing

Standard pile embedded 200mm into
300 x 300 x 300 deep footing

PLANS APPROVED SUBJECT TO ALL
REQUIREMENTS OF THE BUILDING ACT
1991 BEING FULLY COMPLIED WITH
Date 20-9-99 Consent Number 1582
Officer *[Signature]*



Scale 1 : 50



HODGES CONSTRUCTION LTD
55 FAIRY SPRINGS RD, ROTORUA
P O BOX 473 ROTORUA
PH 07 347 6855

PROPOSED HOME FOR

B & R Coles
N & K Riley

DESIGN Grenadier Enhanced

620 Teweta Rd, Waikite Valley

DRAWING

FLOOR AREA 91.80 m²

SHEET 4 of 4

DATE Aug 1999

DESIGN Initial Homes

PROJECT INFORMATION MEMORANDUM
ISSUED UNDER SECTION 30 OF THE
BUILDING ACT 1991

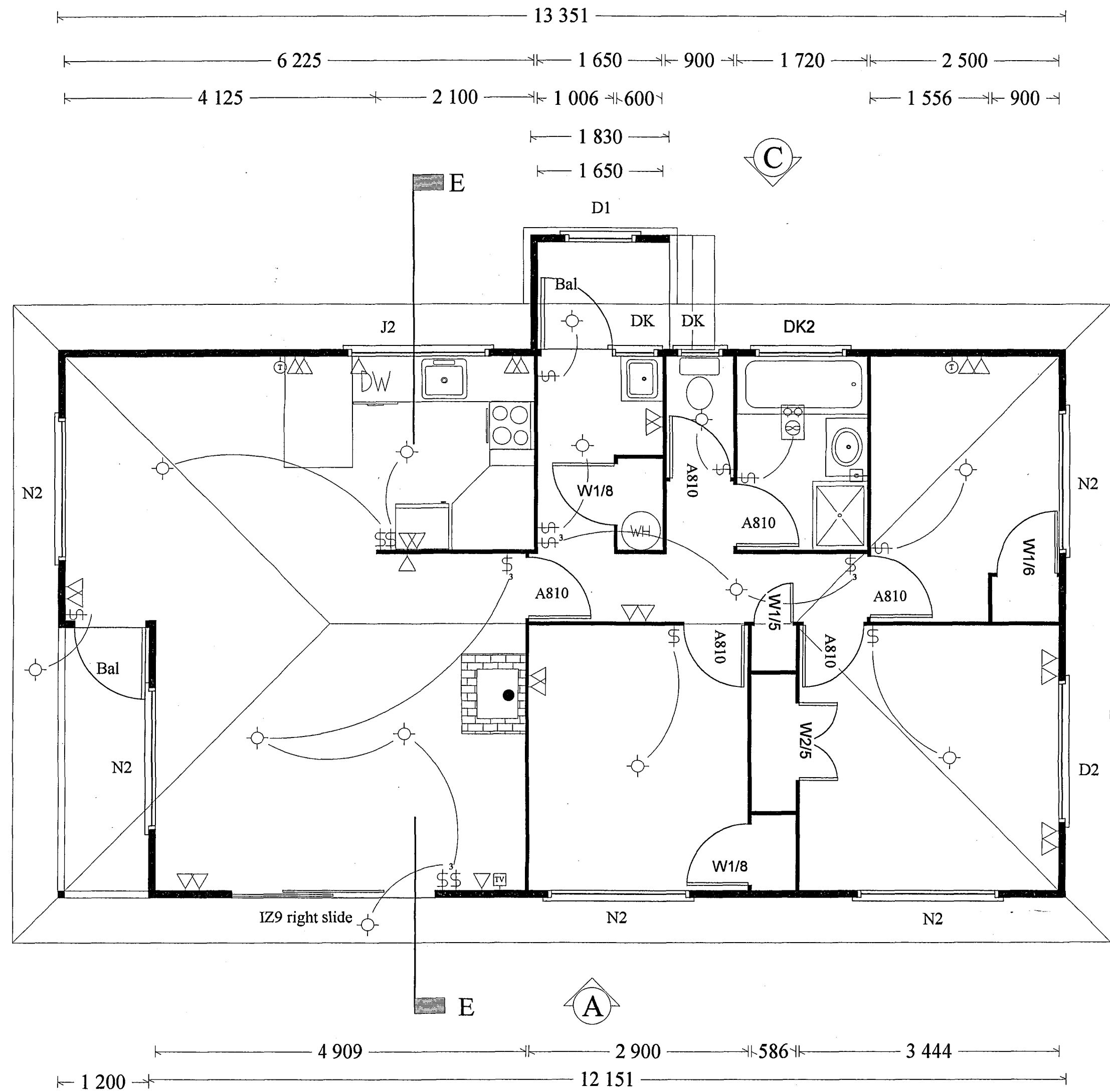
DATE 20.9.99 P.I.M. NO. 1581

OFFICER [Signature]

7 200
3 554
4 432
3 488

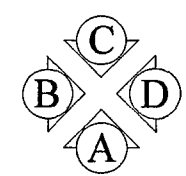
1 500
3 646
2 544
2 144
1 300

B



Scale 1 : 50

- ▽ single power point
- ▽ double power point
- light outlet
- range outlet
- switch
- sensor light //
- spot light
- TV jack point
- telephone jack
- shaver outlet
- recessed downlight



ELEVATION KEY



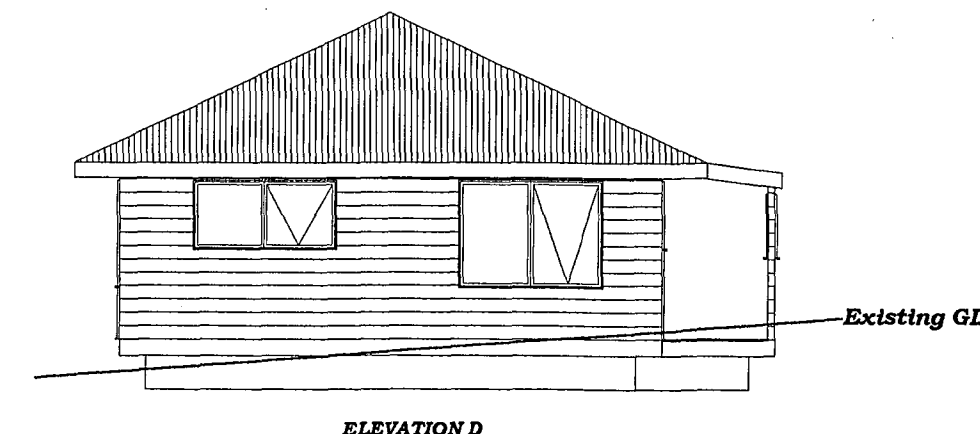
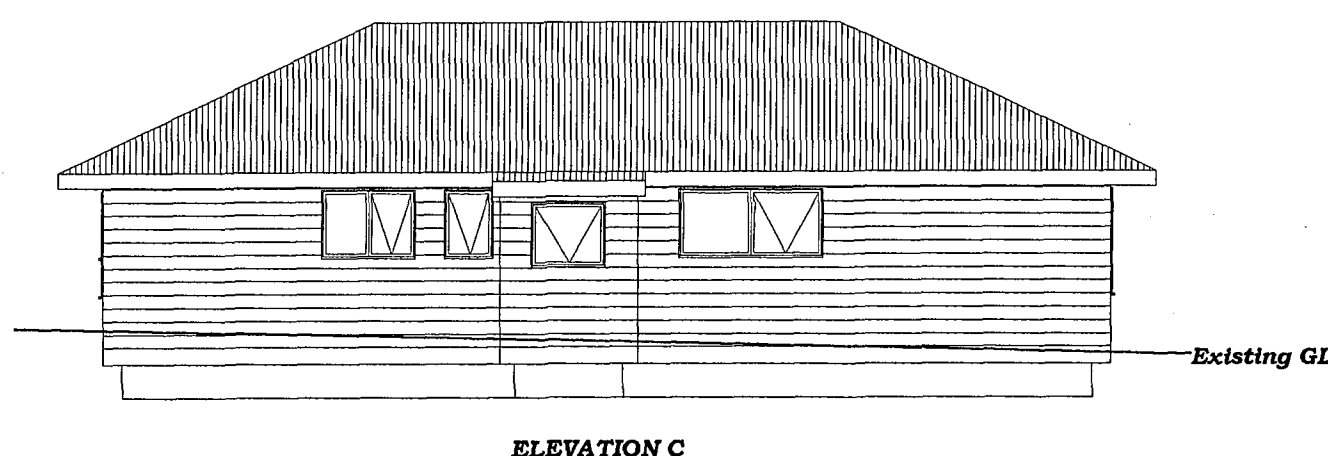
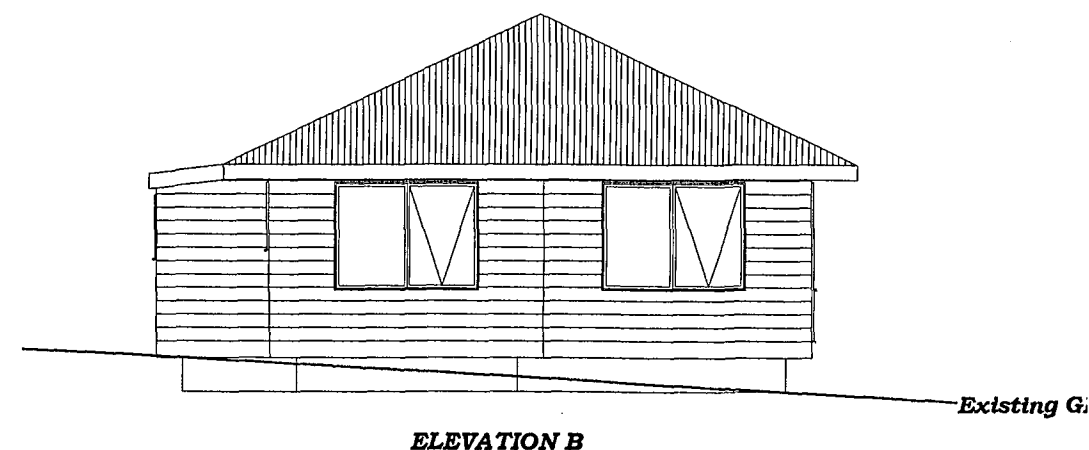
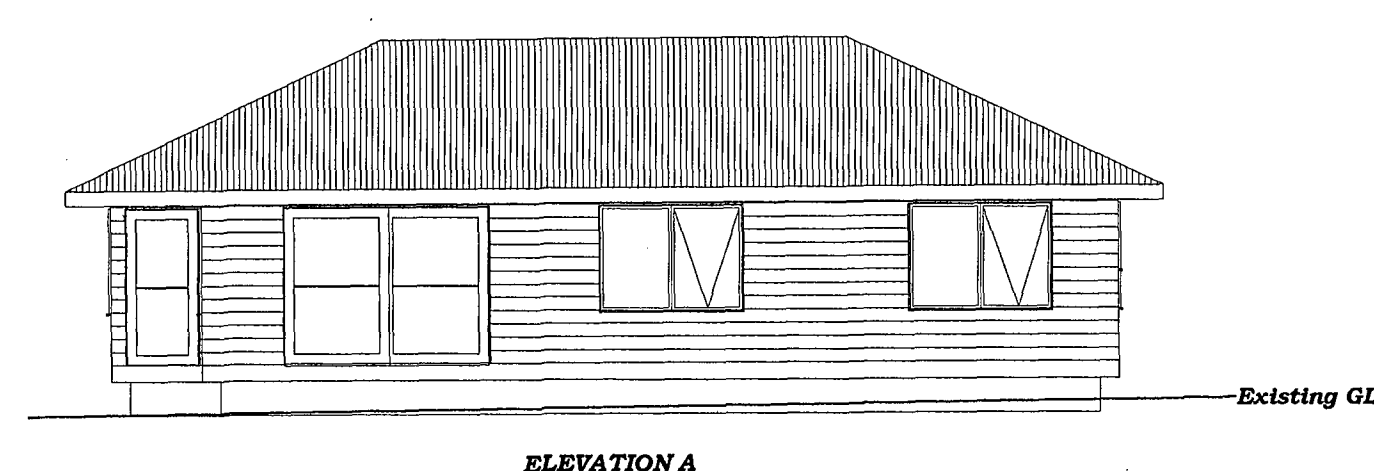
HODGES CONSTRUCTION LTD
55 FAIRY SPRINGS RD, ROTORUA
P O BOX 473 ROTORUA
PH 07 347 6855

PROPOSED HOME FOR
B & R Coles
N & K Riley
DESIGN Grenadier Enhanced
620 Teweta Rd, Waikite Valley

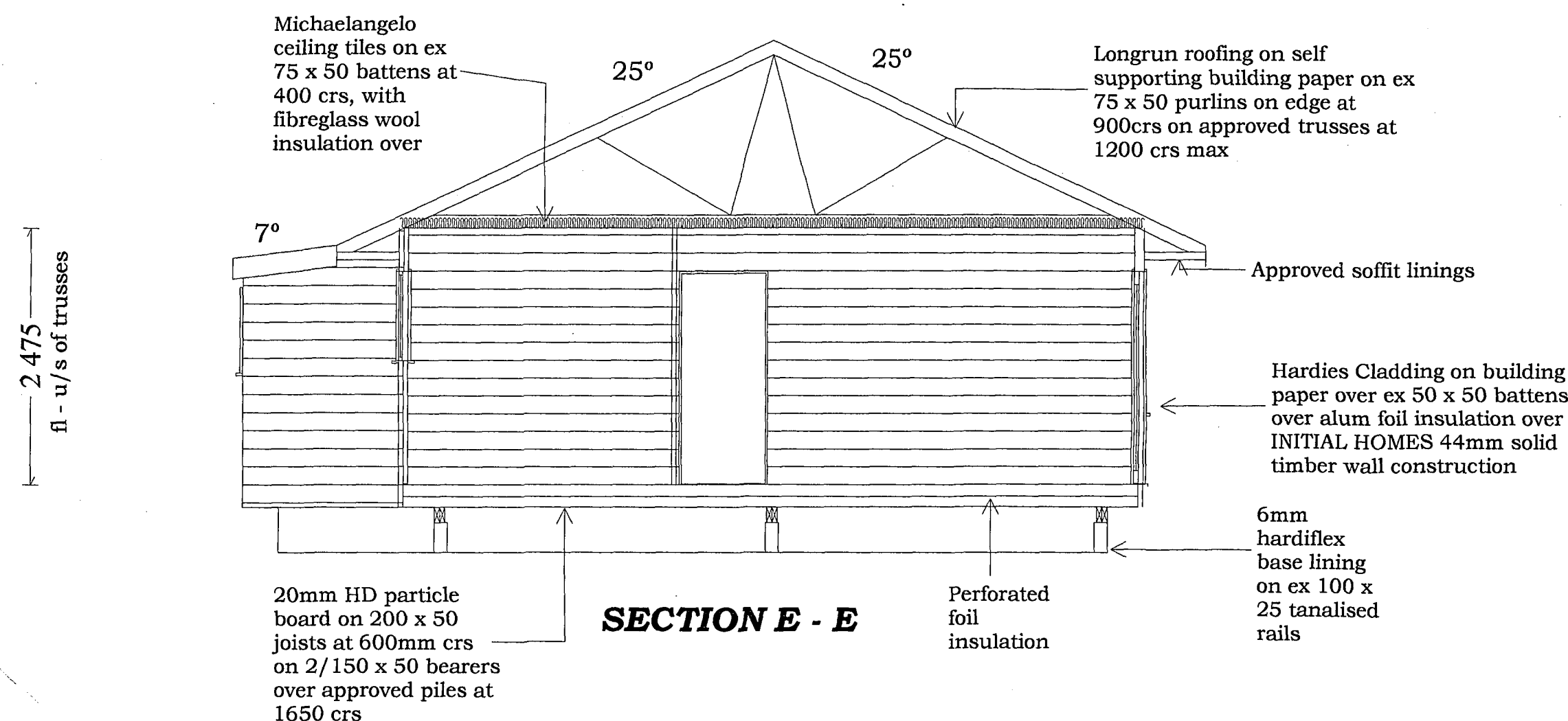
DRAWING **Floor Plan**
FLOOR AREA **91.80 m²**

SHEET **1 of 4**
DATE **Aug 1999**
DESIGN **Initial Homes**

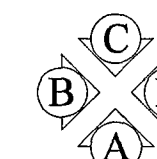
PROJECT INFORMATION MEMORANDUM
ISSUED UNDER SECTION 30 OF THE
BUILDING ACT 1991
DATE 15-9-99 P.I.M. NO. 158
OFFICER *[Signature]*



Scale 1 : 100



Scale 1 : 50



ELEVATION KEY



HODGES CONSTRUCTION LTD
55 FAIRY SPRINGS RD, ROTORUA
P O BOX 473 ROTORUA
PH 07 347 6855

PROPOSED HOME FOR

**B & R Coles
N & K Riley**

DESIGN Grenadier Enhanced

620 Teweta Rd, Waikite Valley

DRAWING

**Elevations &
Section E - E**

FLOOR AREA

91.80 m²

SHEET 2 of 4

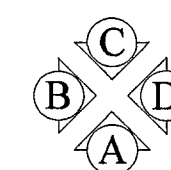
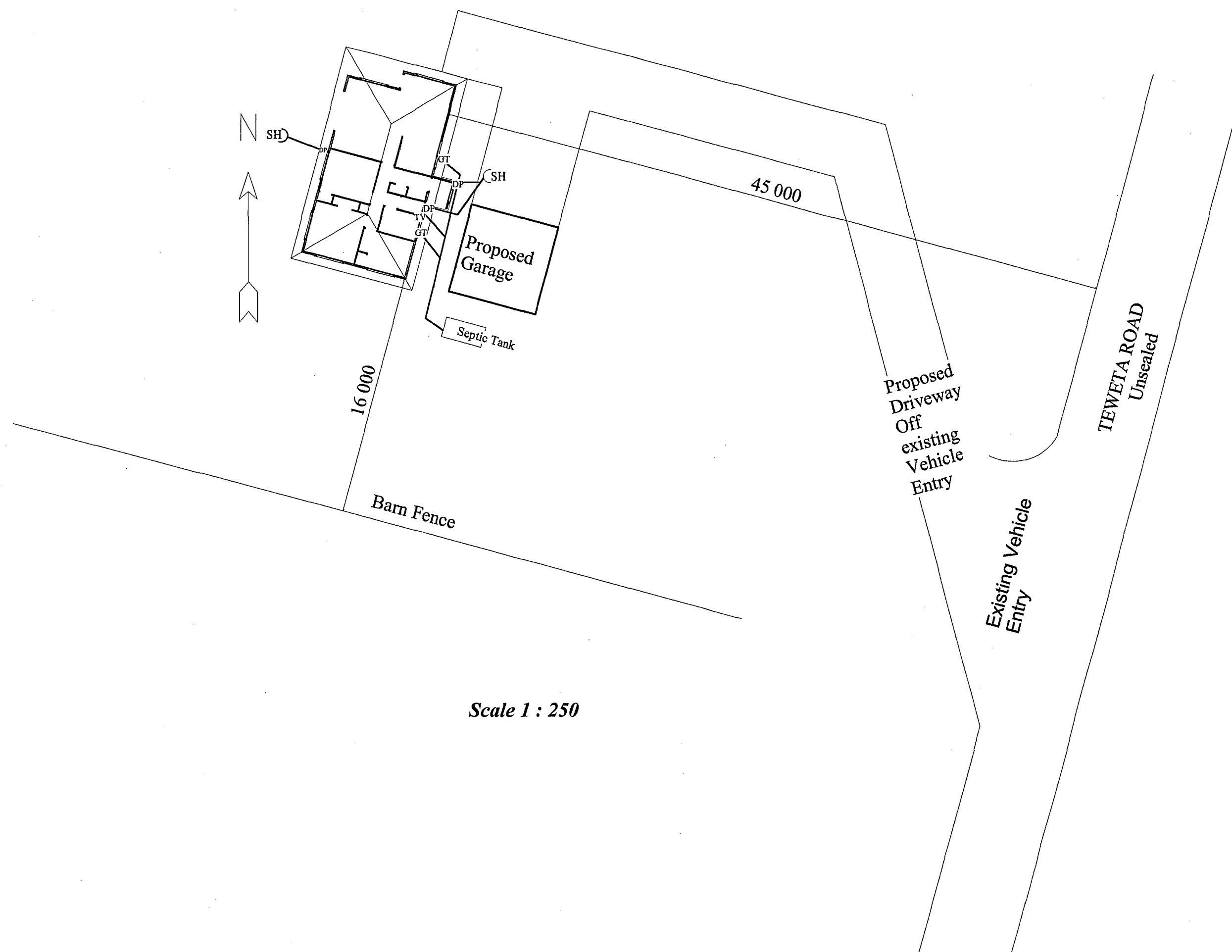
DATE Aug 1999

DESIGN Initial Homes

PROJECT INFORMATION MEMORANDUM
ISSUED UNDER SECTION 30 OF THE
BUILDING ACT 1991

DATE 15-9-99 P.I.M. NO. 1581

OFFICER *Bill*



ELEVATION KEY



HODGES CONSTRUCTION LTD
55 FAIRY SPRINGS RD, ROTORUA
P O BOX 473 ROTORUA
PH 07 347 6855

PROPOSED HOME FOR

**B & R Coles
N & K Riley**

DESIGN Grenadier Enhanced

620 Teweta Rd, Waikite Valley

DRAWING Site & Drainage

FLOOR AREA 91.80 m²

SHEET 3 of 4

DATE Aug 1999

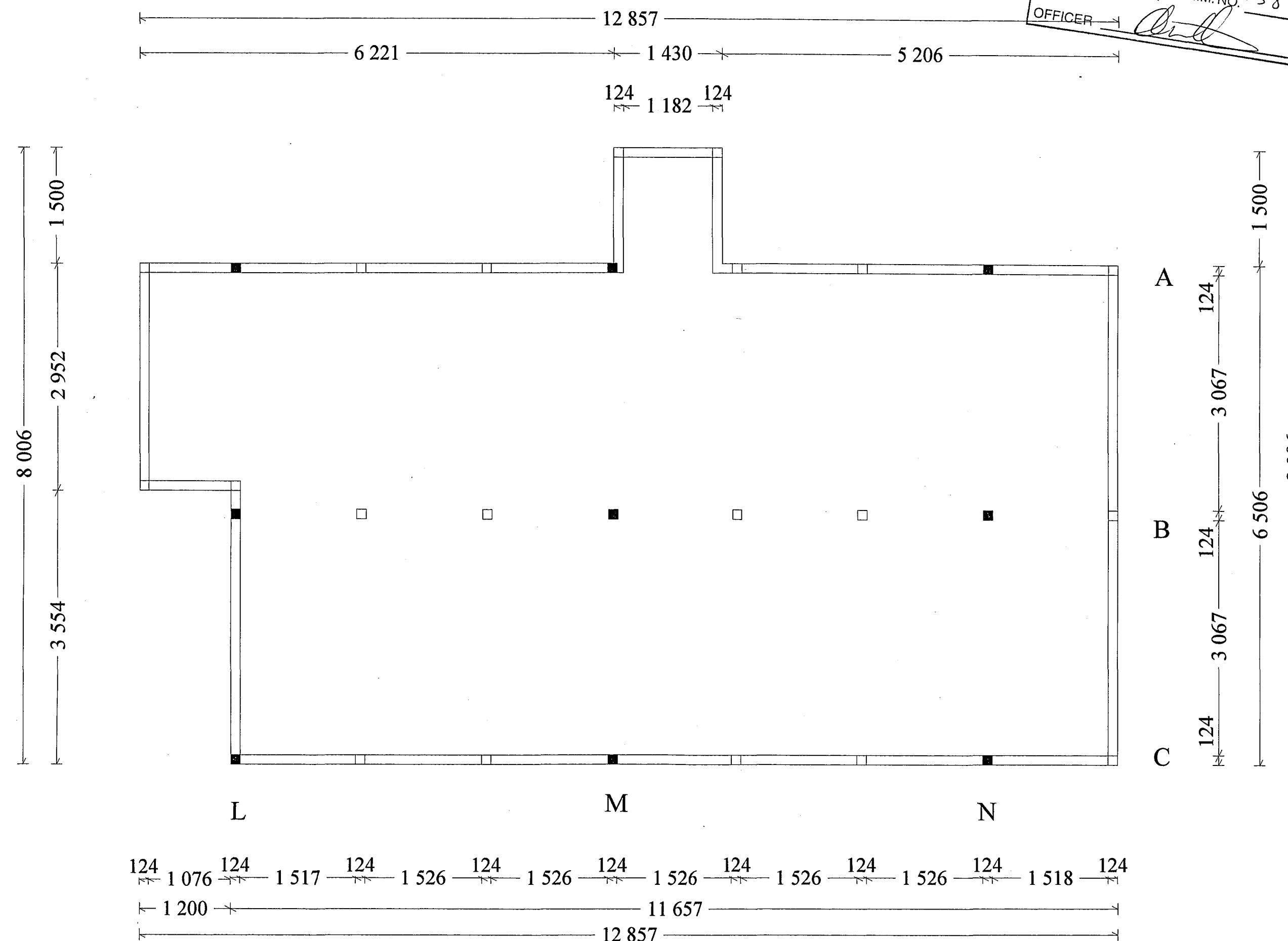
DESIGN Initial Homes

| Total B Us Required | | Foundation Line | | Foundation Bracing Elements Required | | | | | |
|------------------------------|--------------|-----------------|---------------|--------------------------------------|---|--------|--------------|--------------|--------|
| | | Label | Min BUs Req'd | Type | Rating BUs | | No of Braces | BUs Provided | |
| Along | | | | | Wind | EQuake | | Wind | EQuake |
| Wind | EQuake | A | 240 | 14 | 160 | 120 | 3 | 480 | 360 |
| 810 BUs / 160 = 6 Braces | | B | 360 | 14 | 160 | 120 | 3 | 480 | 360 |
| 863 BUs / 120 = 8 Braces | | C | 360 | 14 | 160 | 120 | 3 | 480 | 360 |
| | | D | | | | | | | |
| | | E | | | | | | | |
| Wind | EQuake | F | | | | | | | |
| 810 BUs | 863 BUs | Total | 960 | | | | Total | 1440 | 1080 |
| Across | | L | 240 | 14 | 160 | 120 | 3 | 480 | 360 |
| Wind | EQuake | M | 360 | 14 | 160 | 120 | 3 | 480 | 360 |
| 462 BUs / 160 = 3 Braces | | N | 360 | 14 | 160 | 120 | 3 | 480 | 360 |
| 863 BUs / 120 = 8 Braces | | O | | | | | | | |
| | | P | | | | | | | |
| | | Q | | | | | | | |
| Wind | EQuake | R | | | | | | | |
| 462 BUs | 863 BUs | Total | 960 | | | | Total | 1440 | 1080 |
| Storey | Single | | | | Roof Type | Light | | | |
| | Upper of Two | | | | Wall Type | Light | | | |
| | Lower of Two | | | | Average Roof Pitch | 25 ° | | | |
| Site Wind Zone | Med | | | | W = 71 BU s / m Across W = 63 BU s / m Along | | | | |
| E Quake Zone | A | | | | E = 9.4 BUs /m² | | | | |
| Building Height | | | | | B H = 4980 | | | | |
| Foundation Length | | | | | F L = 12857 | | | | |
| Foundation Width | | | | | F W = 6506 | | | | |
| Floor Plan Area | | | | | F P A = 91.80 M² | | | | |
| EQuake B Us Along and Across | | | | E x F P A = 9.4 x 91.80 = 863 BUs | | | | | |
| Wind B Us Across | | | | W x F W = 71 x 6.506 = 462 BUs | | | | | |
| Wind B Us Along | | | | W x F L = 63 x 12.857 = 810 BUs | | | | | |

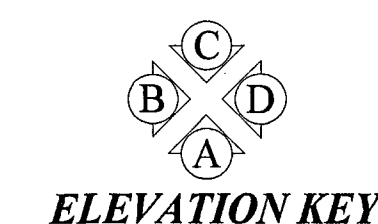
■ Anchor Pile embedded 800mm into
350 x 350 x 900mm deep footing

□ Standard pile embedded 200mm into
300 x 300 x 300 deep footing

PROJECT INFORMATION MEMORANDUM
ISSUED UNDER SECTION 30 OF THE
BUILDING ACT 1991
DATE 15.9.99 P.I.M. NO. 1587
OFFICER →



Scale 1 : 50



ELEVATION KEY



HODGES CONSTRUCTION LTD
55 FAIRY SPRINGS RD, ROTORUA
P O BOX 473 ROTORUA
PH 07 347 6855

PROPOSED HOME FOR

B & R Coles
N & K Riley

DESIGN Grenadier Enhanced

620 Teweta Rd, Waikite Valley

DRAWING

FLOOR AREA 91.80 m²

SHEET 4 of 4

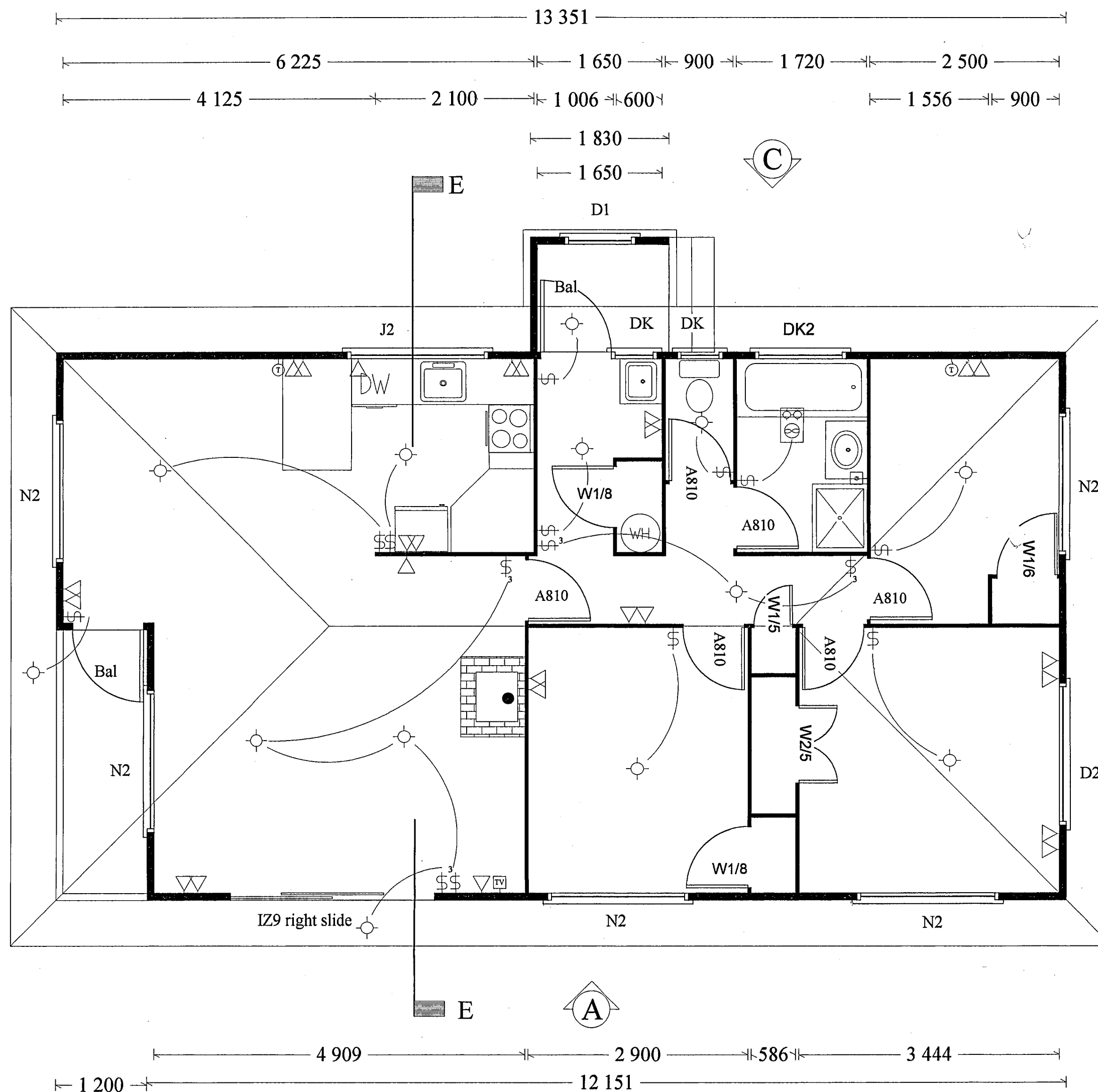
DATE Aug 1999

DESIGN Initial Homes

7 200
3 554
4 432
3 488

1 500
3 646
3 466
2 544
2 144
1 300

B



APPLICATION NOT
PROCEEDED WITH

- single power point
- double power point
- light outlet
- range outlet
- switch
- sensor light // spot light
- TV jack point
- telephone jack
- shaver outlet
- recessed downlight

ELEVATION KEY



HODGES CONSTRUCTION LTD
55 FAIRY SPRINGS RD, ROTORUA
P O BOX 473 ROTORUA
PH 07 347 6855

PROPOSED HOME FOR

B & R Coles
N & K Riley

DESIGN Grenadier Enhanced

620 Teweta Rd, Waikite Valley

DRAWING

Floor Plan

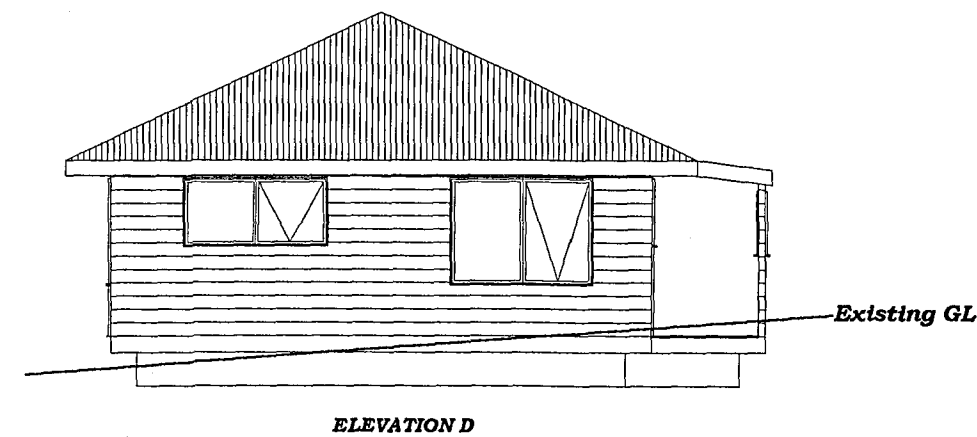
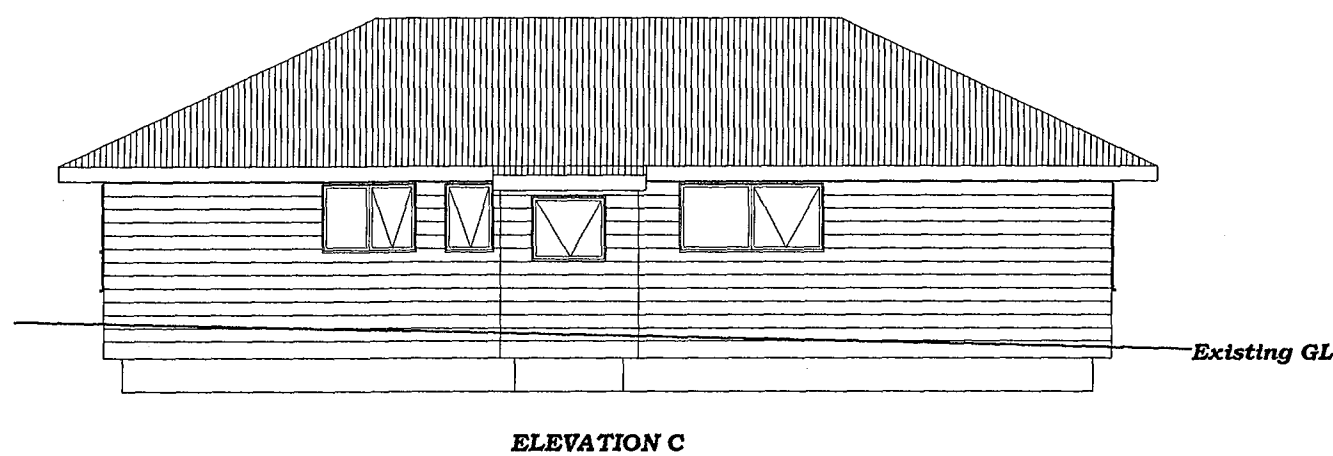
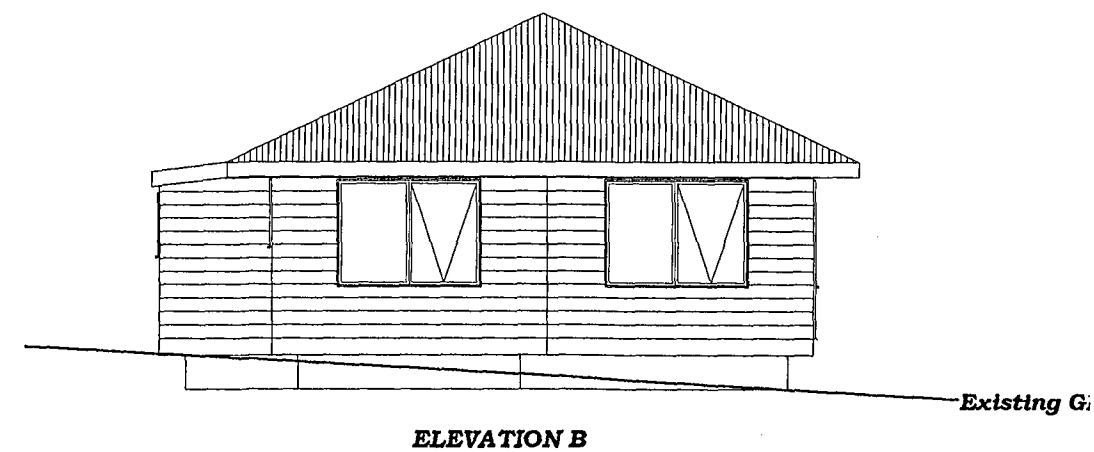
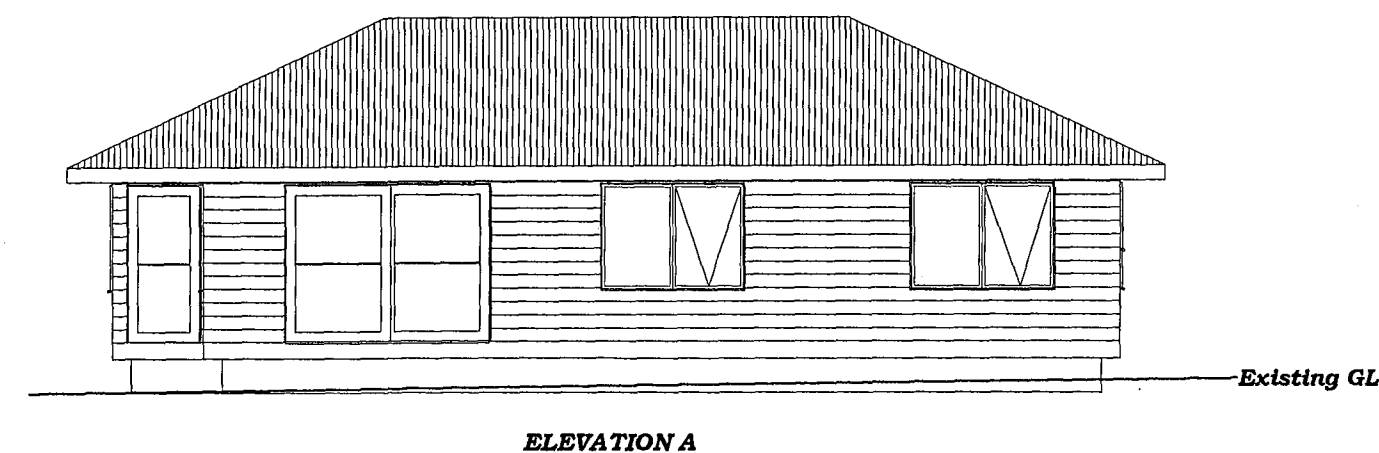
FLOOR AREA

91.80 m²

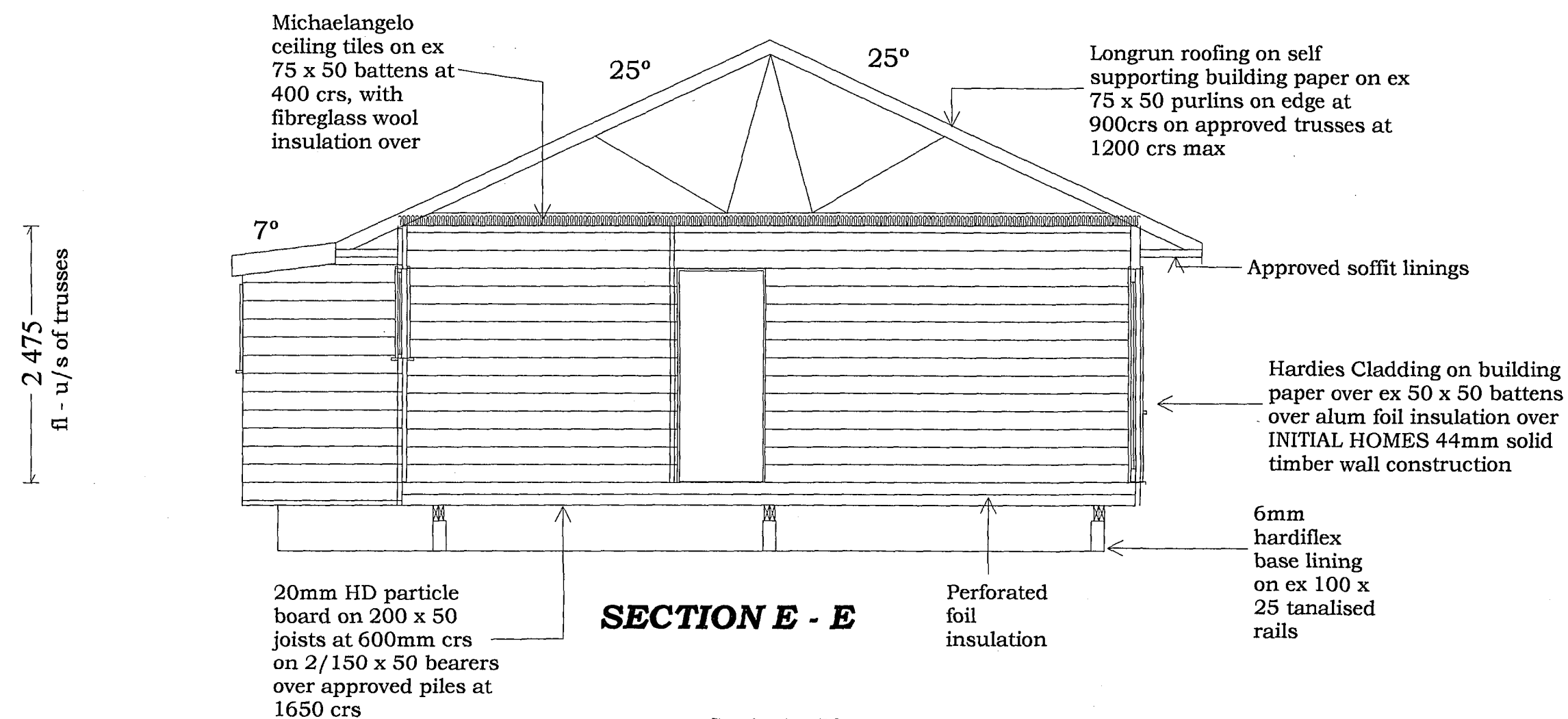
SHEET 1 of 4

DATE Aug 1999

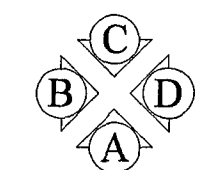
DESIGN Initial Homes



Scale 1 : 100



Scale 1 : 50



ELEVATION KEY



HODGES CONSTRUCTION LTD
55 FAIRY SPRINGS RD, ROTORUA
P O BOX 473 ROTORUA
PH 07 347 6855

PROPOSED HOME FOR

DESIGN Grenadier Enhanced

B & R Coles
N & K Riley

620 Teweta Rd, Waikite Valley

DRAWING

FLOOR AREA

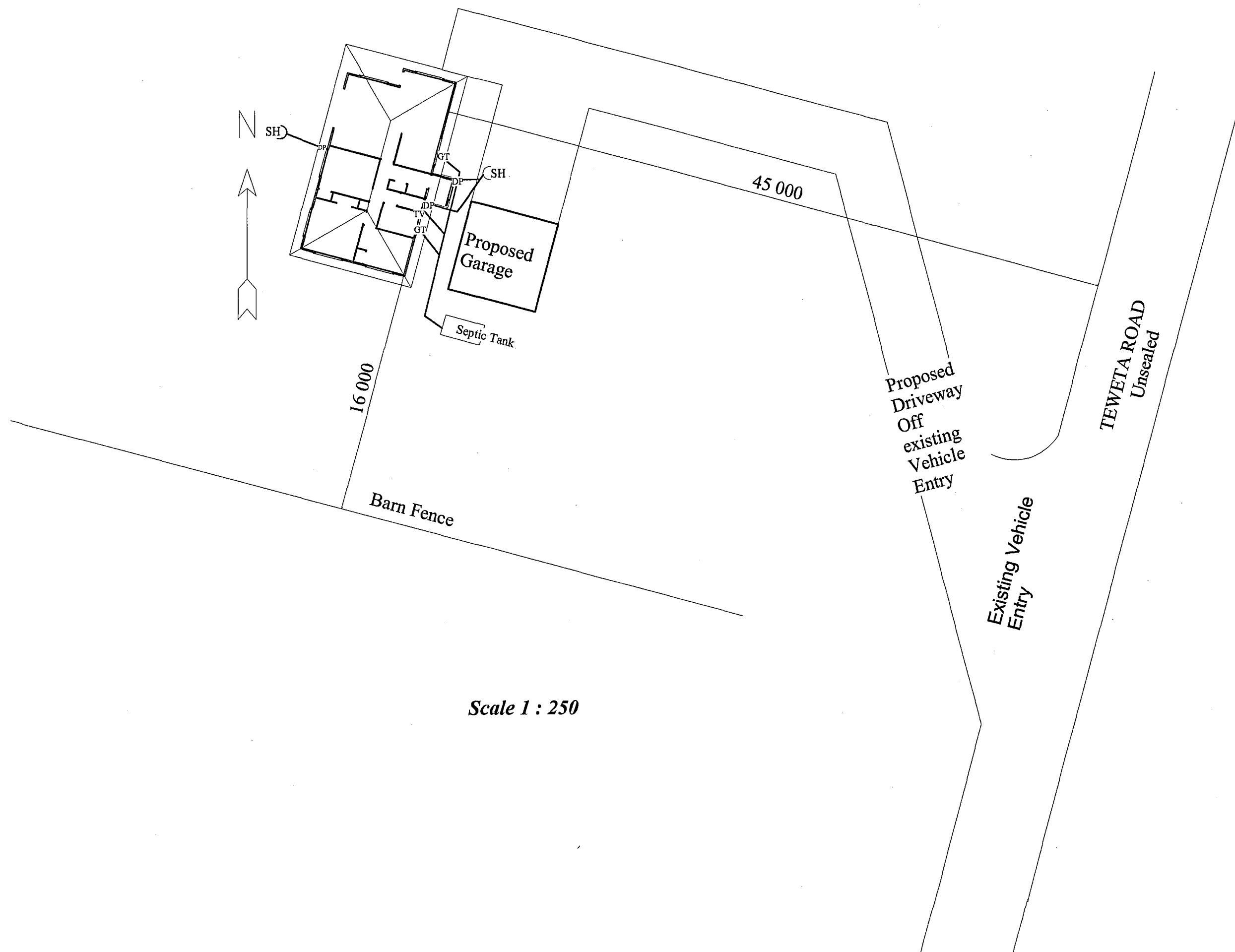
**Elevations &
Section E - E**

91.80 m²

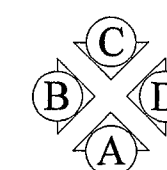
SHEET 2 of 4

DATE Aug 1999

DESIGN Initial Homes



Scale 1 : 250



ELEVATION KEY



HODGES CONSTRUCTION LTD
 55 FAIRY SPRINGS RD, ROTORUA
 P O BOX 473 ROTORUA
 PH 07 347 6855

PROPOSED HOME FOR

DESIGN Grenadier Enhanced

B & R Coles
N & K Riley

620 Teweta Rd, Waikite Valley

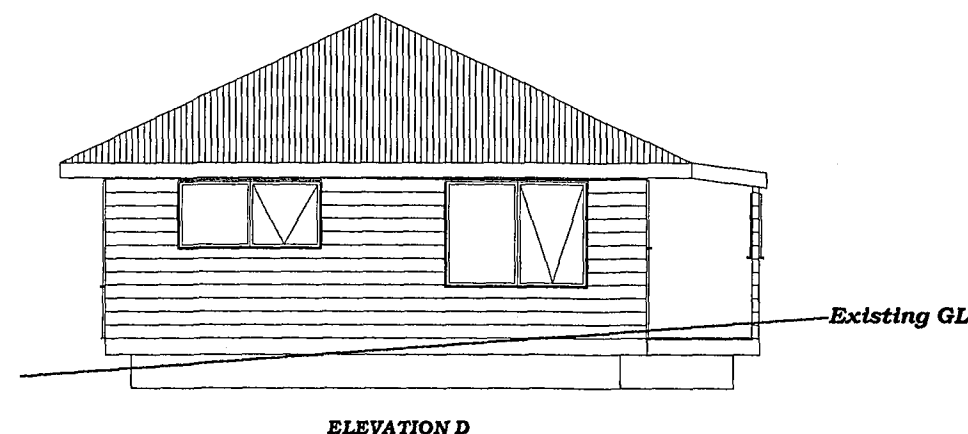
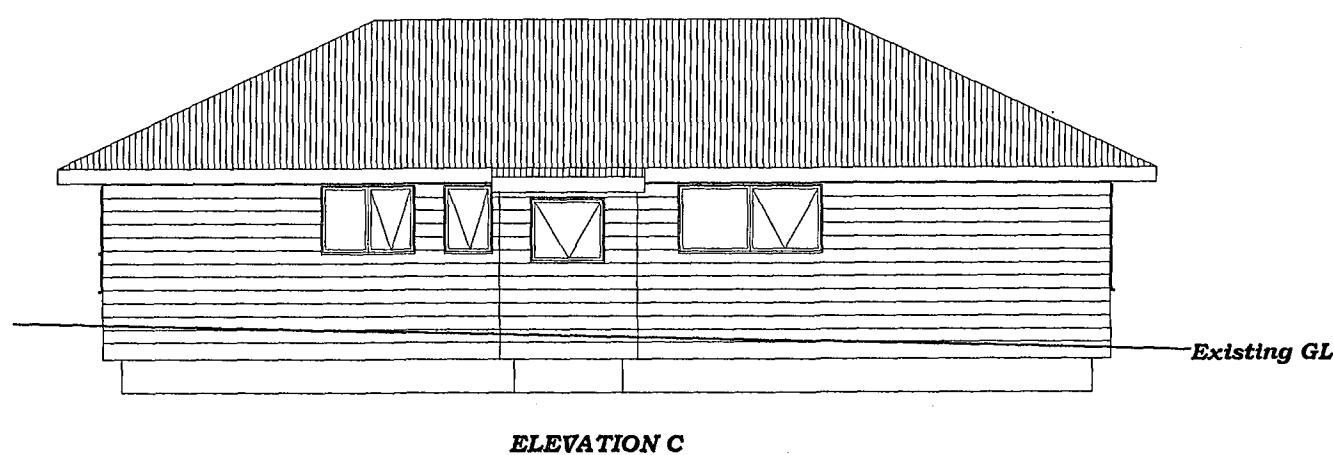
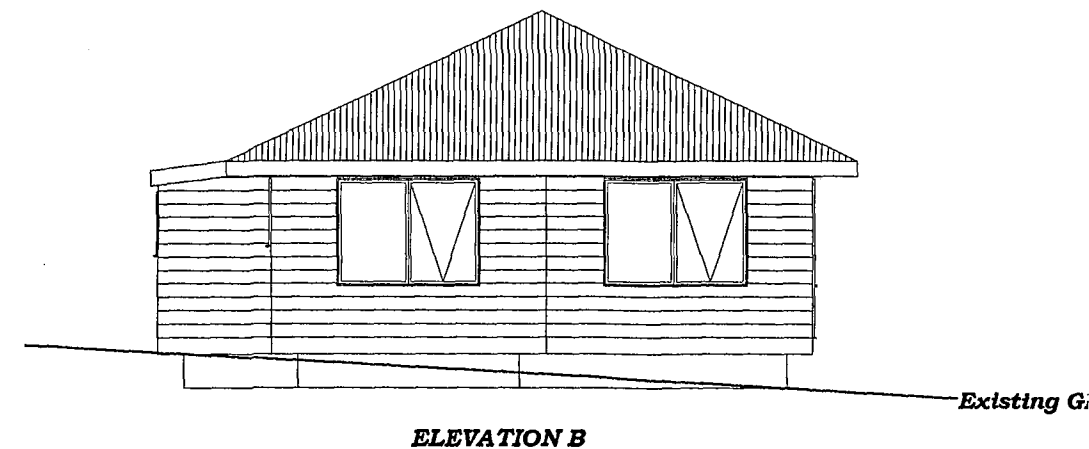
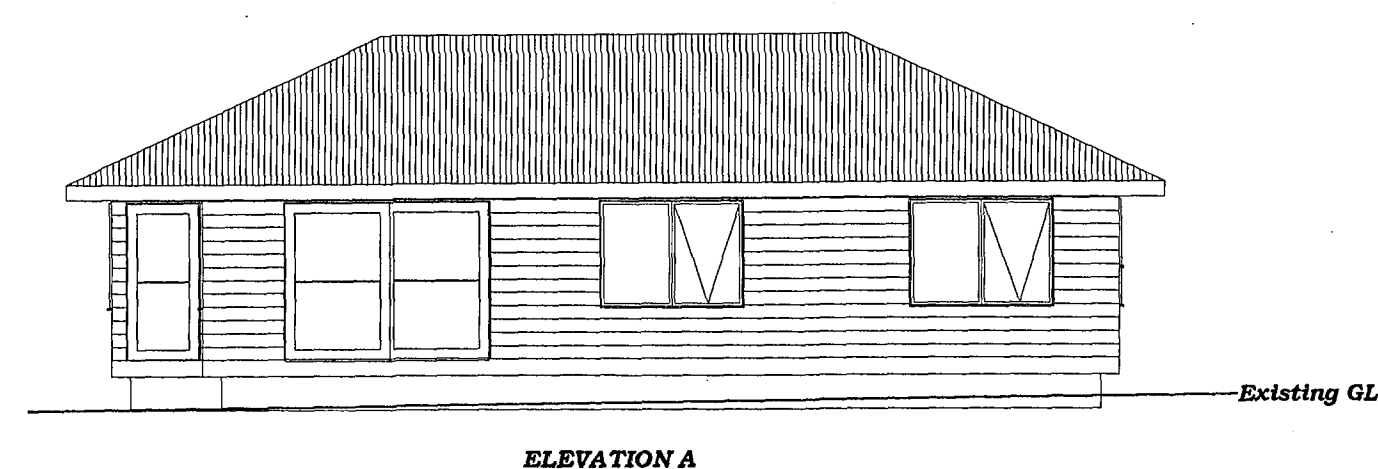
DRAWING Site & Drainage

FLOOR AREA 91.80 m²

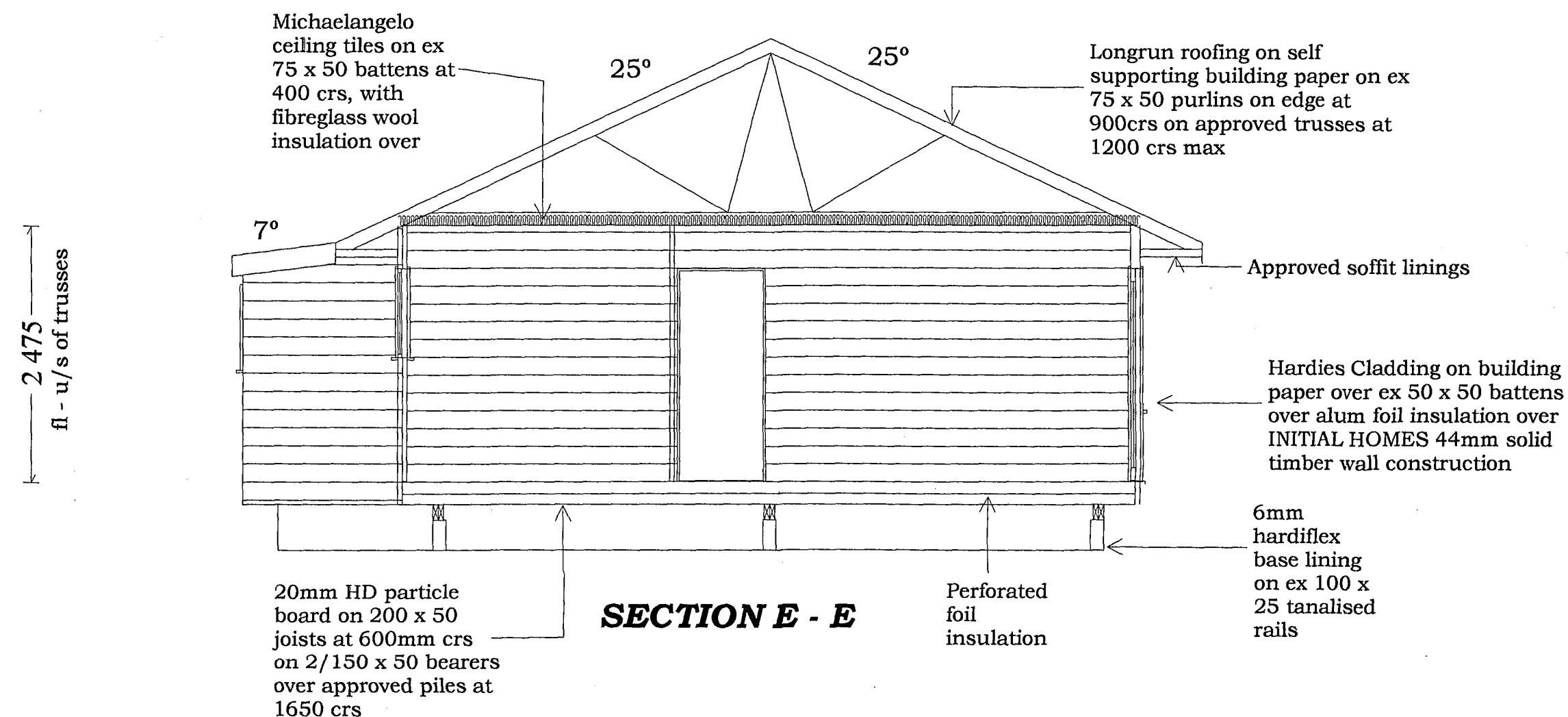
SHEET 3 of 4

DATE Aug 1999

DESIGN Initial Homes



Scale 1 : 100



Scale 1 : 50



HODGES CONSTRUCTION LTD
55 FAIRY SPRINGS RD, ROTORUA
P O BOX 473 ROTORUA
PH 07 347 6855

PROPOSED HOME FOR

DESIGN Grenadier Enhanced

B & R Coles
N & K Riley

620 Teweta Rd, Waikite Valley

DRAWING

**Elevations &
Section E - E**

FLOOR AREA

91.80 m²

SHEET 2 of 4

DATE Aug 1999

DESIGN Initial Homes

