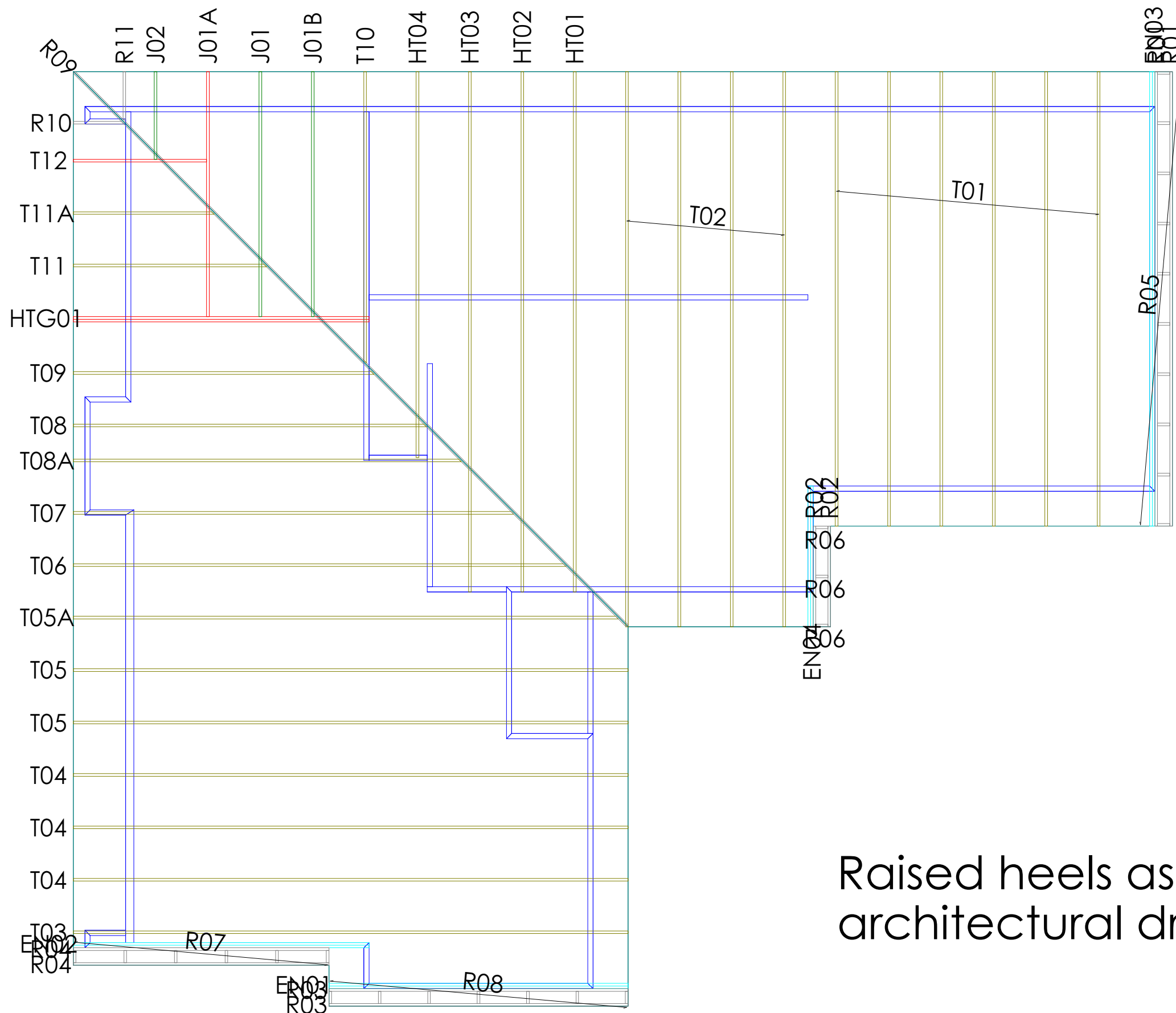




Raised heels as per
architectural drawings

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34 Carncross Street
Mosgiel
Ph 03 484 7280

Site Address :
A1 Homes
Burgess & Allen
7 Whitehaven St
Oamaru

Sheet Title :
**For Building Consent
Buildable Truss Layout**

Date : 7 Jun,2024
Scale : 1: 100
Drawn : Craig Murphy
System : MiTek 20/20

Job Details:
Roof Pitch : 5.00deg
Roof Material : Longrun Iron .55mm
Ceiling Material : Rondo on clips
Wind Zone : High
Roof Snow Load : 0.630kPa

Truss Centres : 900mm
Roof Live Load : 0.250kPa
Floor Live Load :
Wind Speed : 44m/s
Overhang : 600mm

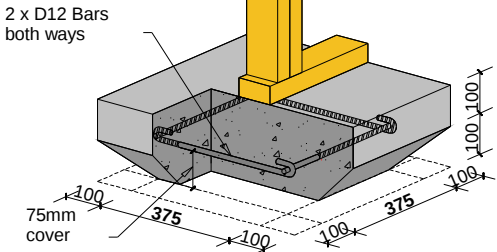


Job Title :
252947P
Sheet :
1
Revision Number :

SLAB THICKENING & STUD REQUIREMENTS

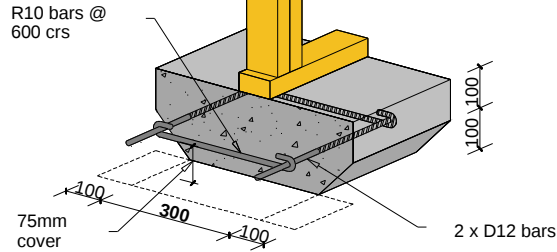
TYPE FP1 375mm² Pad

2 3



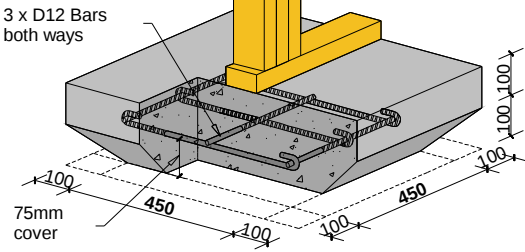
TYPE FS1 300mm Strip

2 3



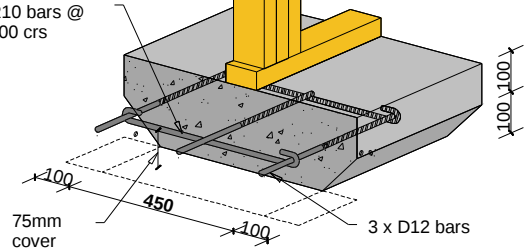
TYPE FP2 450mm² Pad

3 4



TYPE FS2 450mm Strip

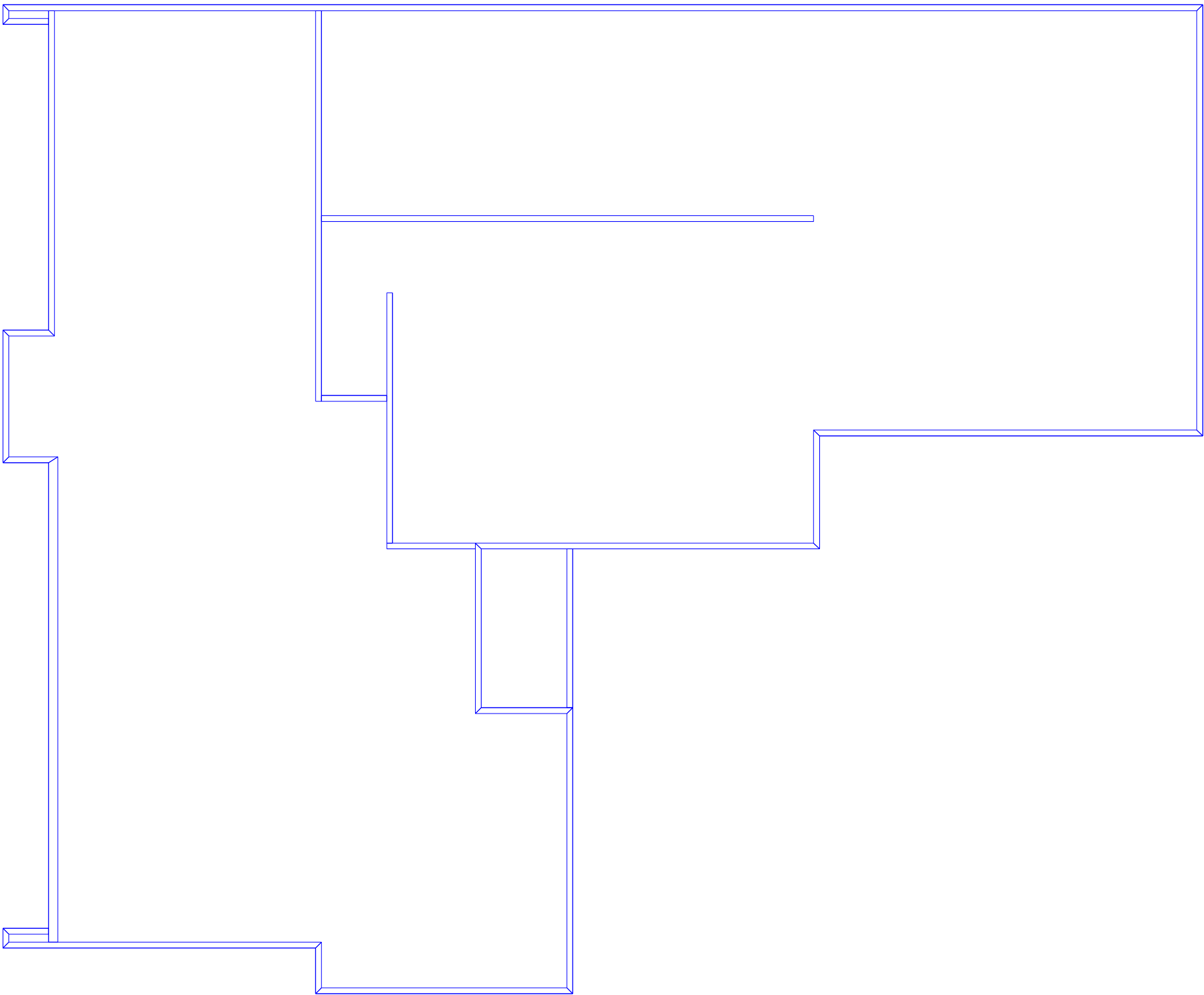
3 4



Notes:
- The numbers found in the hatched areas are the numbers of studs required below each truss
- Standard 100mm reinforcing concrete slab, as per NZS3604:2011

Refer to:
MiTek Internal Load Bearing on Concrete Floor Slabs 10/2011
MiTek Structural Fixings **On-Site Guide** for Building Code Compliance

Concrete Slab Thickening Guide



NO SLAB THICKENING REQUIRED



34 Carncross Street
Mosgiel
Ph 03 484 7280

Site Address :
A1 Homes
Burgess & Allen
7 Whitehaven St
Oamaru

Sheet Title :
For Building Consent
Slab Thickening

Date : 7 Jun,2024
Scale : 1: 100
Drawn : Craig Murphy
System : MiTek 20/20

Job Details:
Roof Pitch : 5.00deg
Roof Material : Longrun Iron .55mm
Ceiling Material : Rondo on clips
Wind Zone : High
Roof Snow Load : 0.630kPa

Truss Centres : 900mm
Roof Live Load : 0.250kPa
Floor Live Load :
Wind Speed : 44m/s
Overhang : 600mm



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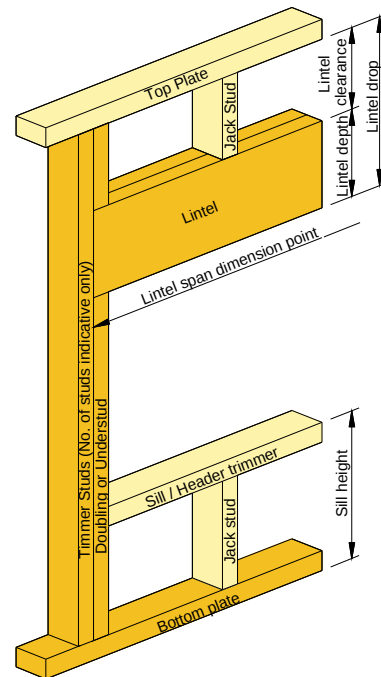
Job Title :
252947P
Sheet :
2
Revision Number :

TYPE E
1.4 kN

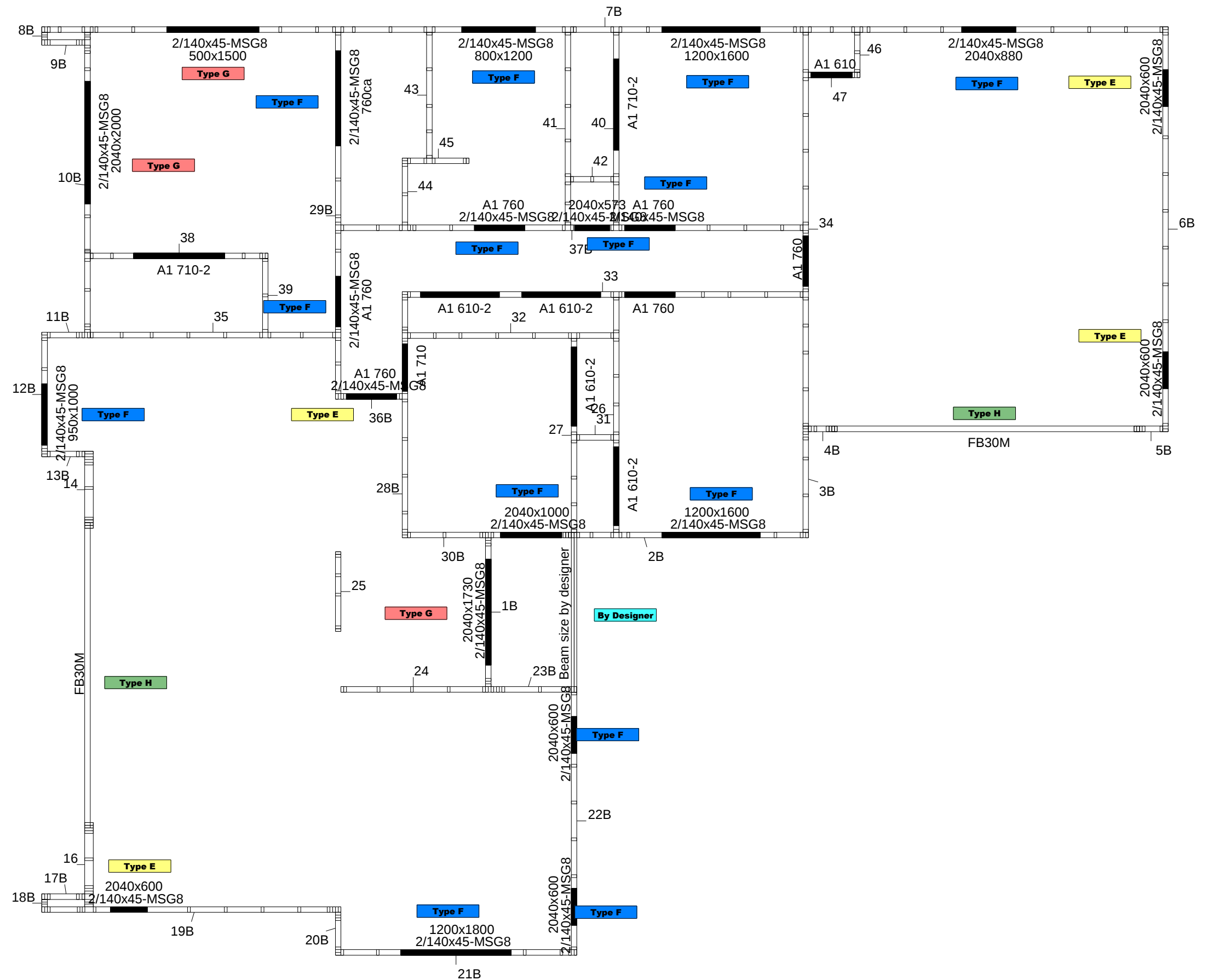
TYPE F
4.0 kN

TYPE G
7.5 kN

TYPE H
13.5 kN



Refer to:
LUMBERLOK Intel® Fixing Schedule 10/2011
MiTek Structural Fixings **On-Site Guide** for Building Code Compliance
(Alternative to Table 8.14 & Figure 8.12 NZS 3604:2011)



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Ph 03 484 7280

Site Address :
A1 Homes
Burgess & Allen
7 Whitehaven St
Oamaru

Sheet Title :
**For Building Consent
Lintel Fixing**

Date : 7 Jun,2024	Drawn : Craig Murphy
Scale : 1: 100	System : MiTek 20/20

Job Details:	
Roof Pitch	: 5.00deg
Roof Material	: Longrun Iron .55mm
Ceiling Material	: Rondo on clips
Wind Zone	: High
Roof Snow Load	: 0.630kPa

Truss Centres : 900mm
Roof Live Load : 0.250kPa
Floor Live Load :
Wind Speed : 44m/s
Overhang : 600mm

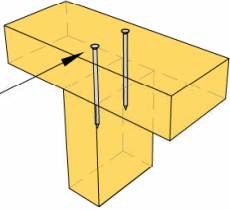


Job Title :	252947P
Sheet :	3
Revision Number :	

TYPE A - 0.7 kN

Non-Load Bearing Walls

2 x 90mm x 3.15 Ø plain
steel wire nails driven
vertically through single Top
Plate into stud



*Images are indicative only.
Timber sizes may vary.

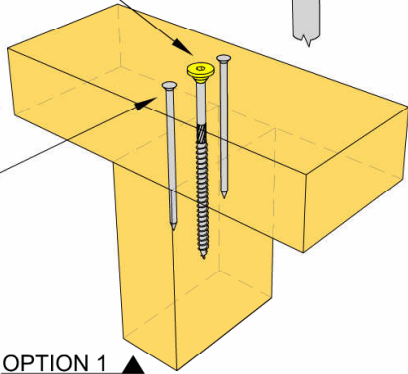
TYPE B - 4.7 kN

Load Bearing Walls

1 x STUD-LOK **SL125**
screwed vertically through
single Top Plate into stud.

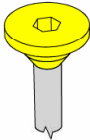
Max.Top Plate
Depth = 45mm

2 x 90mm x 3.15 Ø plain
steel wire nails driven
vertically into stud.



STUD-LOK SL125

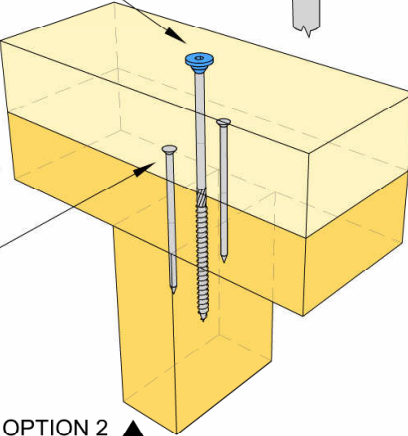
- Yellow Head
- 125mm long



1 x STUD-LOK **SL170**
screwed vertically through
single or double Top Plate
into stud.

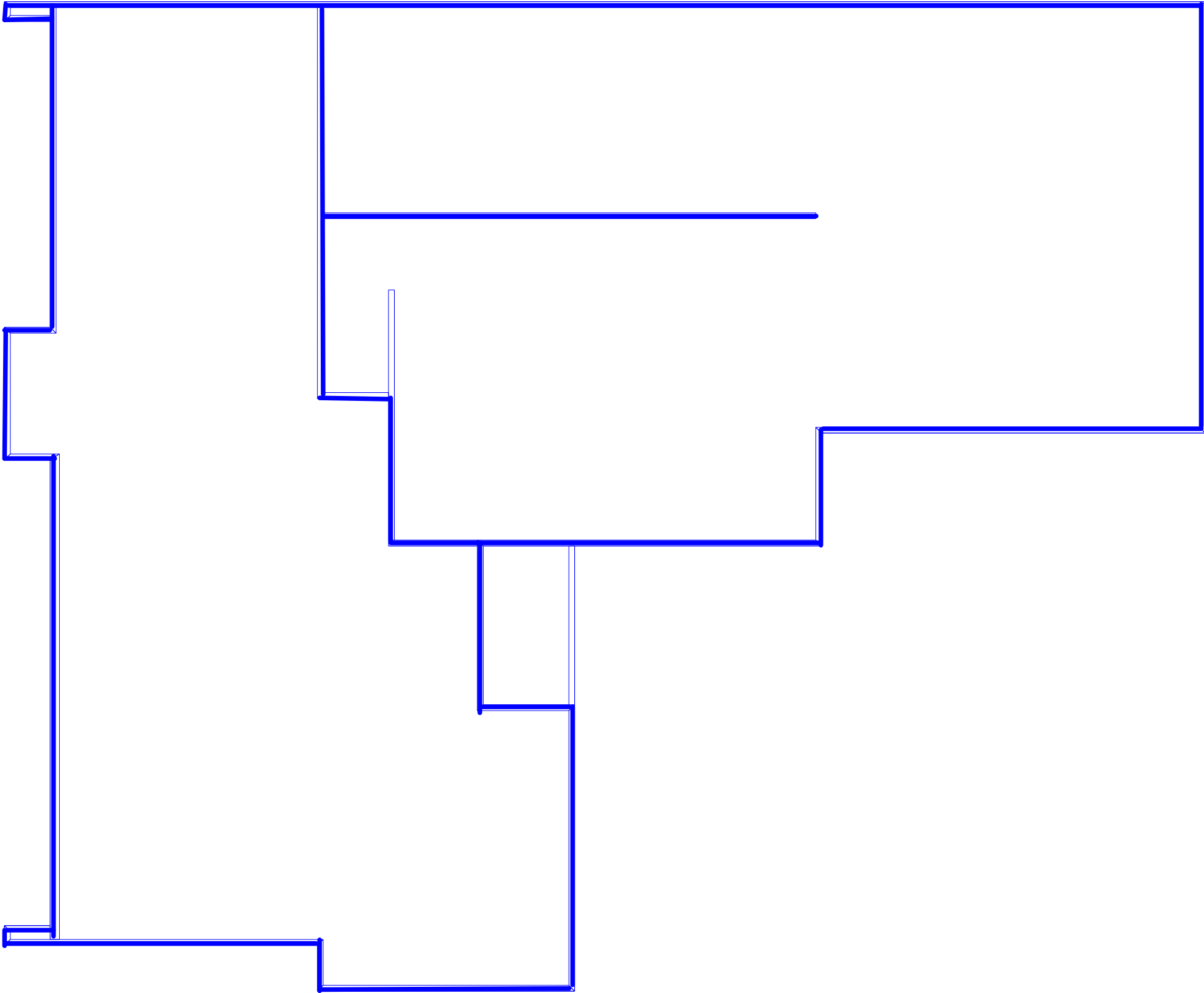
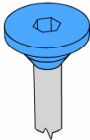
Max.Top Plate
Depth = 90mm

2 x 90mm x 3.15 Ø plain
steel wire nails driven
vertically into stud.



STUD-LOK SL170

- Blue Head
- 170mm long



(Alternative to NZS 3604:2011 Section 8)



34 Carncross Street
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Ph 03 484 7280

Site Address :

A1 Homes
Burgess & Allen
7 Whitehaven St
Oamaru

Sheet Title :

For Building Consent
Stud To Top Plate Fixing

Date : 7 Jun,2024

Drawn : Craig Murphy

Scale : 1: 100

System : MiTek 20/20

Job Details:

Roof Pitch : 5.00deg
Roof Material : Longrun Iron .55mm
Ceiling Material : Rondo on clips
Wind Zone : High
Roof Snow Load : 0.630kPa

Truss Centres : 900mm
Roof Live Load : 0.250kPa
Floor Live Load :
Wind Speed : 44m/s
Overhang : 600mm



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Job Title :

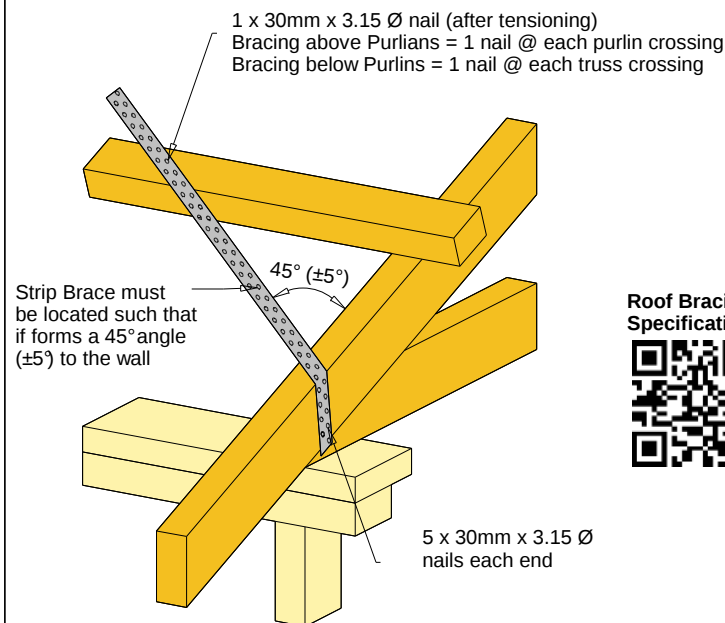
252947P

Sheet :

4

Revision Number :

LUMBERLOK[®] ROOF BRACING



Refer to:
LUMBERLOK Roof Bracing Specifications 10/2011
MiTek Structural Fixings **On-Site Guide** for Building Code Compliance
(As per NZS 3604:2011)

LUMBERLOK[®] TRUSS FIXINGS

- D - Pair of Wire Dogs and 2 x 90mm 3.15mm skew nails
- X - LUMBERLOK JH47x90 Joist Hanger
- Z - LUMBERLOK JH47x120 Joist Hanger
- P - LUMBERLOK JH47x190 Joist Hanger
- E - LUMBERLOK JH95x165 Joist Hanger
- T - LUMBERLOK CT200 Ceiling Tie
- O - Pair of LUMBERLOK CT200 Ceiling Ties
- H - LUMBERLOK CT400 Cyclone Tie
- B - LUMBERLOK CT600 Cyclone Tie
- 4 - LUMBERLOK Multi Grip
- M - Pair of LUMBERLOK Multi Grips
- NP - LUMBERLOK Nailon Plate
- N - LUMBERLOK N21 Diagonal Cleat
- V - LUMBERLOK CPC40 Cleat
- W - Pair of LUMBERLOK CPC40 Cleats
- K - LUMBERLOK TTP 16kN Truss to Top Plate set
- G - LUMBERLOK TTP 9kN Truss to Top Plate set

**Joist Hanger
Installation**



**CT200 Truss to
Top Plate Fixing
Installation**

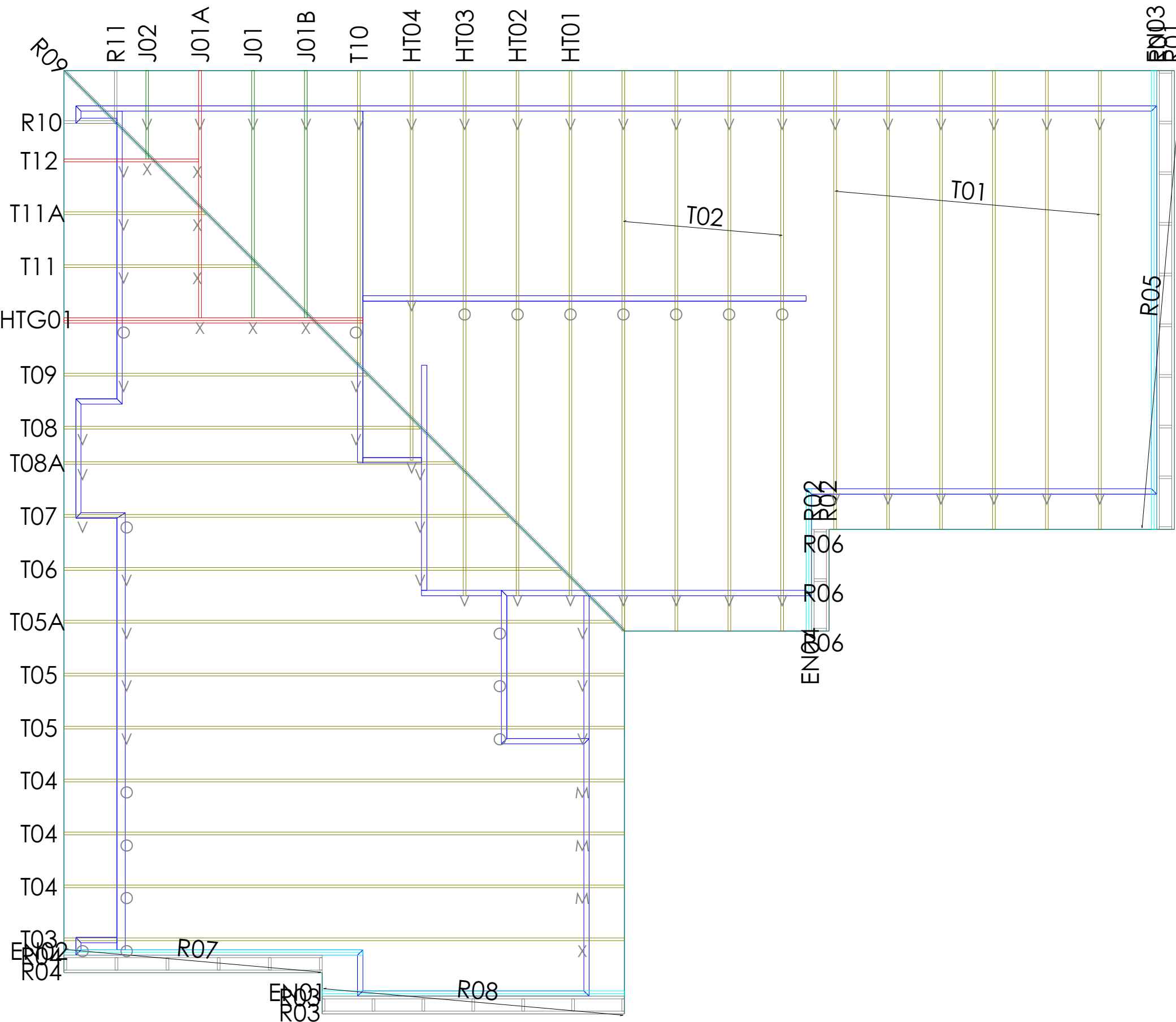


**16kN & 9kN Truss
to Top Plate Fixing
Installation**



Notes:
All other areas must have the minimum 2 x 90mm 3.15mm skew nails and
2 x wire dogs for truss to top plate connections

Refer to:
LUMBERLOK Timber Connectors Characteristic Loadings Data Brochure
08/2014



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34 Carncross Street
Mosgiel
Ph 03 484 7280

Site Address :
**A1 Homes
Burgess & Allen
7 Whitehaven St
Oamaru**

Sheet Title :
**For Building Consent
Truss Fixings & Roof Bracing**

Date : 7 Jun,2024
Scale : 1: 100
Drawn : Craig Murphy
System : MiTek 20/20

Job Details:
Roof Pitch : 5.00deg
Roof Material : Longrun Iron .55mm
Ceiling Material : Rondo on clips
Wind Zone : High
Roof Snow Load : 0.630kPa

Truss Centres : 900mm
Roof Live Load : 0.250kPa
Floor Live Load :
Wind Speed : 44m/s
Overhang : 600mm



Job Title :
252947P
Sheet :
5
Revision Number :