



Correspondence from : **AUCKLAND**
40 Neales Road, East Tamaki 2013
PO Box 58-014, Botany 2163
Phone: **09 274 7109**
Fax: **09 274 7100**

CHRISTCHURCH
14 Pilkington Way, Wigram 8042
PO Box 8387, Riccarton 8440
Phone: **03 348 8691**
Fax: **03 348 0314**

www.mitek.nz.co.nz

Printed: 15:58:54 12 Oct 2021

MiTek 20/20 Engineering 4.7.334.0

PRODUCER STATEMENT for MiTek 20/20[®] TRUSS DESIGN - Version 4.7

ISSUED BY: **MiTek New Zealand Limited**

TO: **Kaiapoi ITM Building Centre**

IN RESPECT OF: **MiTek[®] Truss Designs**

This producer statement covers the MiTek 20/20[®] truss design and the structural performance of the GANG-NAIL[®] connector plate for the job reference **062133A** and may be used by a Building Consent Authority to assist in determining compliance with the New Zealand Building Code.

The MiTek 20/20[®] truss design program has been developed by MiTek New Zealand Limited for the design of MiTek[®] timber roof, floor and attic trusses in New Zealand. The truss designs computed by MiTek 20/20[®] are prepared using sound and widely accepted engineering principles, and in accordance with compliance documents of the New Zealand Building Code and Verification Method B1/VM1; and internationally accepted standard ANSI/TPI 1 - 2002 as an alternative solution, to satisfy the requirements of Clause B1 of the New Zealand Building Code.

On behalf of MiTek New Zealand Limited, and subject to:

- i) All proprietary products meeting their performance specification requirements
- ii) The provision of adequate roof bracing and overall building stability
- iii) Correct selection and placement of GANG-NAIL connector plates
- iv) Correct input of Truss Design Data as shown in the Fabricator Design Statement for this job
- v) The design being undertaken by the accredited fabricator under the terms of the software licence
- vi) Timber is graded to the requirements of NZS 3603:1993
- vii) Minimum timber treatment for these MiTek[®] trusses shall be in accordance with B2/AS1 Table 1A and the relevant sections of NZS 3602:2003

I believe on reasonable grounds that the trusses, if constructed in accordance with the MiTek 20/20[®] truss design and shop drawings, will comply with the relevant provisions of the New Zealand Building Code.

MiTek New Zealand Limited holds a current policy of Professional Indemnity Insurance no less than \$500,000.

On behalf of MiTek New Zealand Limited,

Date: Tuesday, 12 October 2021

In Ling Ng, BE (Hons), CPEng, IntPE, MIPENZ (ID: 146585)
TECHNICAL SERVICES MANAGER, MiTek New Zealand Limited

Job: 062133A	Client: Van De Geest Building	Site: Graham Residence
Description:	Phone:	Lot 382
Building Consent No.:		29 Pegasus Main Street
MiTek 20/20 Engineering 4.7.334.0		Pegasus
		Phone:

MiTek New Zealand Limited Printed: 15:58:54 12 Oct 2021

MITEK FABRICATOR DESIGN STATEMENT

This statement is issued by MiTek accredited fabricator **Kaiapoi ITM Building Centre**, being licensed to use the MiTek 20/20® software, to the client listed above and may be used by the Building Consent Authority to assist in determining compliance with the New Zealand Building Code.

MiTek 20/20® TRUSS DESIGN DATA
 The MiTek 20/20® computer design for this job is based on the following design parameters entered into the program. The Fabricator shall ensure that these job details are current and relevant to the project for the design of the MiTek® trusses.

Job Details		Importance Level :	2	Design Working Life :	50 years
Roof Truss		Pitch:	3.000 deg	Nominal Overhang:	0 mm
Timber Group:	DDFx45 H1.2	Ceiling		Wind	
Roof		Material:	Rondo screwed to BC	Area:	High (44.0 m/s)
Material:	Galv Iron .5mm	Dead Load:	0.200 kPa	Pressure Coeff:	Cpe = varies; Cpi = -0.30, 0.20
Dead Load:	0.210 kPa	Restraints:	600 mm centres	Snow	
Restraints:	900 mm centres	Live Load:	Qc = 1.400 kN	Location:	Pegasus (N4) at 100 m
Live Load:	Qur = 0.250 kPa			Open Ground Load:	0.900 kPa
	Qc = 1.100 kN			Basic Roof Load:	0.630 kPa


The minimum timber treatment for these MiTek® trusses shall be in accordance with B2/AS1 Table 1A and the relevant sections of NZS 3602:2003. The timber for these MiTek® trusses shall be graded to the requirements of NZS 3603:1993. Proprietary fixings and timber connectors shall be selected in accordance with NZS3604:2011 Section 4 - Durability.

MiTek® Truss List
 Legend: * = detail only, ? = input only, ✕ = failed design, Ø = non certified, Unmarked trusses = designed successfully, LB = lateral bracing required
 GB = gable brace required

Truss	Qty	Span (mm)	Pitch (deg)	Spacing (mm)	Truss	Qty	Span (mm)	Pitch (deg)	Spacing (mm)
T01	7	6280	3.000	900 LB	T06	4	6640	3.000	900 LB
T02	4	6980	3.000	900	EN01	2D	2160	3.000	900
T05	2	4530	3.000	900					
T03	2	2360	3.000	900					
T03A	1	2360	3.000	900					
EN03	1D	2360	3.000	900					
EN02	1D	840	3.000	900					
T07	10	4620	3.000	900					

Total quantity : 34

The computer design input has been carried out by:

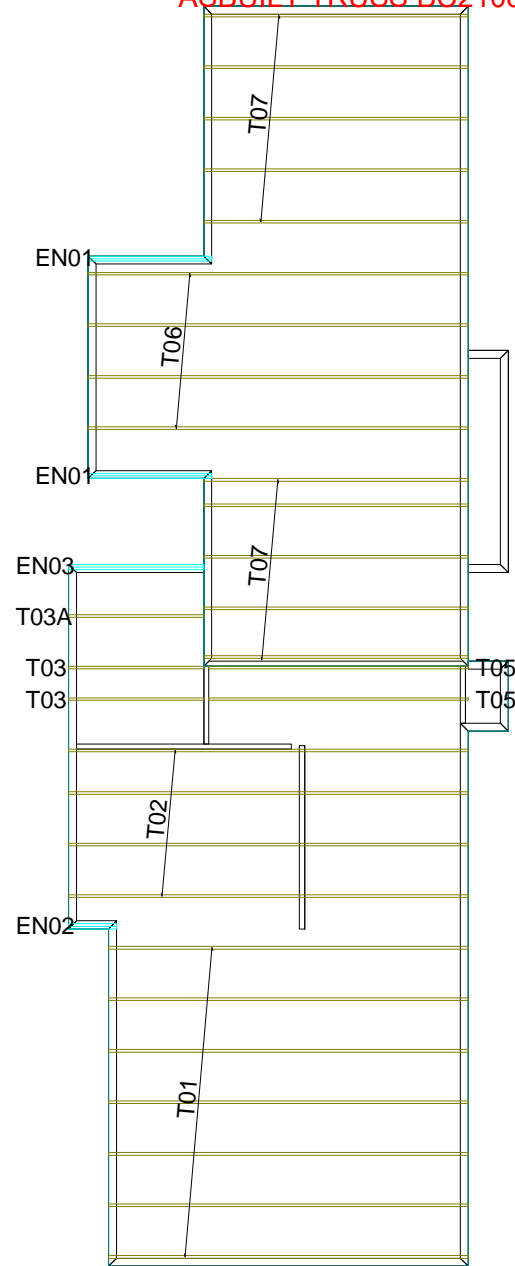
Signed:  Date: Tuesday, 12 October 2021

Name of Detailer: Vern Harkerss Qualifications and Title:

On behalf of: Kaiapoi ITM Building Centre

ASBUILT TRUSS BC210889

RECEIVED 13/10/2021



Site Address :
Graham Residence
Lot 382
29 Pegasus Main Street
Pegasus

Sheet Title :
**As Built BC 210889
Buildable Truss Layout**

Date : 12 Oct.2021 Drawn : Vern Harkers
Scale : 1: 100 System : MiTek 20/20

Job Details:
Roof Pitch : 3.00deg
Roof Material : Galv Iron .5mm
Ceiling Material : Rondo screwed to BC
Wind Zone : High
Roof Snow Load : 0.441kPa

Truss Centres : 900mm
Roof Live Load : 0.250kPa
Floor Live Load :
Wind Speed : 44m/s
Overhang : 0mm



Job Title :
062133A
Sheet :
1
Revision Number :

PrimeCad v4.7.334

SLAB THICKENING & STUD REQUIREMENTS

TYPE FP1 375mm² Pad

2

3

2 x D12 Bars
both ways

TYPE FS1 300mm Strip

2

3

R10 bars @
600 c/s

TYPE FP2 450mm² Pad

3

4

3 x D12 Bars
both ways

TYPE FS2 450mm Strip

3

4

R10 bars @
600 c/s

Notes:

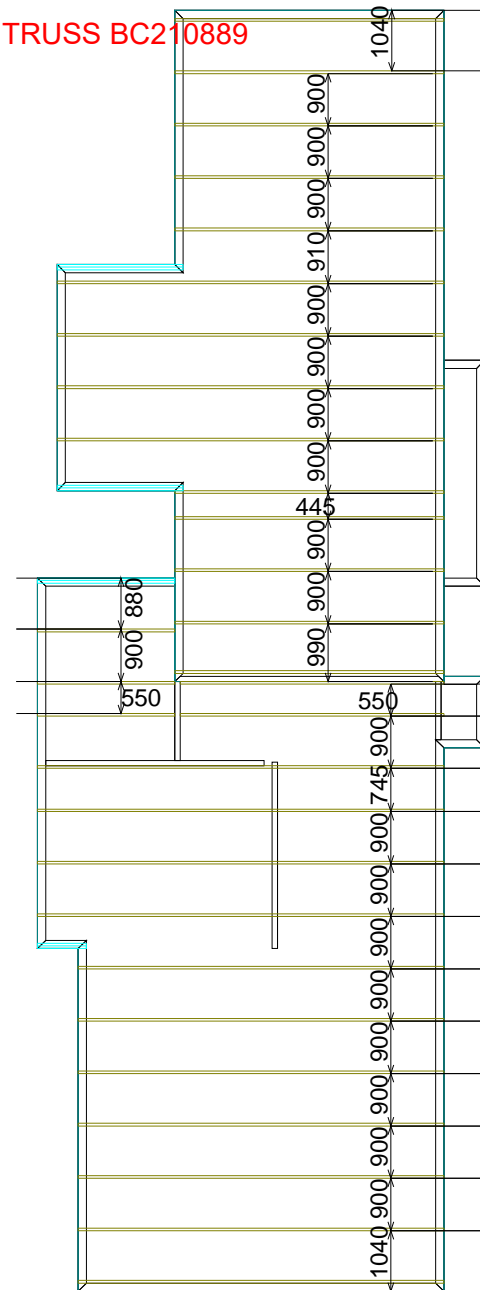
- The numbers found in the hatched areas are the numbers of studs required below each truss
- Standard 100mm reinforcing concrete slab, as per NZS3604:2011

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

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SLAB THICKENING as per consented producer statement



Site Address :
Graham Residence
Lot 382
29 Pegasus Main Street
Pegasus

Sheet Title :
As Built BC 210889
Slab Thickening

Date : 12 Oct,2021	Drawn : Vern Harkerss
Scale : 1: 100	System : MiTek 20/20

Job Details:	
Roof Pitch	: 3.00deg
Roof Material	: Galv Iron .5mm
Ceiling Material	: Rondo screwed to BC
Wind Zone	: High
Roof Snow Load:	0.441kPa

Truss Centres : 900mm
Roof Live Load : 0.250kPa
Floor Live Load :
Wind Speed : 44m/s
Overhang : 0mm



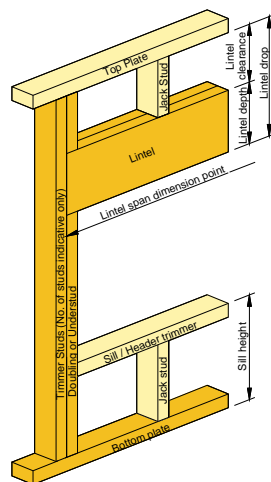
Job Title :	062133A
Sheet :	2
Revision Number :	

TYPE E
1.4 kN

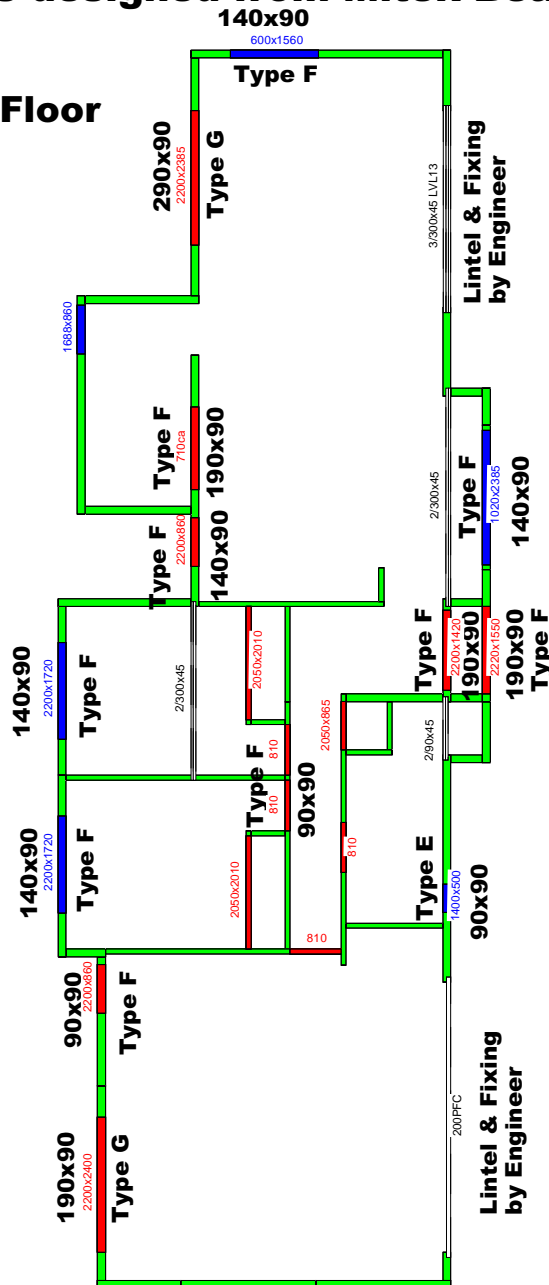
TYPE F
4.0 kN

TYPE G
7.5 kN

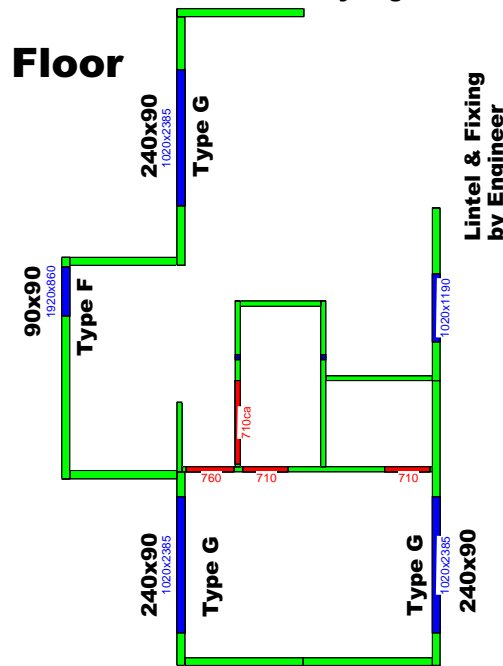
TYPE H
13.5 kN



Ground Floor



Top Floor



Refer to:
LUMBERLOK Lintel 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)



Site Address :
Graham Residence
Lot 382
29 Pegasus Main Street
Pegasus

Sheet Title :
As Built BC 210889
Lintel Fixing

Date : 12 Oct,2021	Drawn : Vern Harkerss
Scale : 1: 100	System : MiTek 20/20

Job Details:	
Roof Pitch	: 3.00deg
Roof Material	: Galv Iron .5mm
Ceiling Material	: Rondo screwed to BC
Wind Zone	: High
Roof Snow Load	: 0.441kPa

Truss Centres : 900mm
Roof Live Load : 0.250kPa
Floor Live Load :
Wind Speed : 44m/s
Overhang : 0mm



Job Title :	062133A
Sheet :	3
Revision Number :	

B BOWMAC[®] STUD-LOK

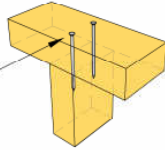
STUD TO TOP PLATE FIXING OPTIONS

TYPE A - 0.7 kN

Non-Load Bearing Walls

*Images are indicative only.
Timber sizes may vary.

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



TYPE B - 4.7 kN

Load Bearing Walls

STUD-LOK SL125

- Yellow Head
- 125mm long

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.

OPTION 1 ▲

STUD-LOK SL170

- Blue Head
- 170mm long

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

Max. Top Plate
Depth = 90mm

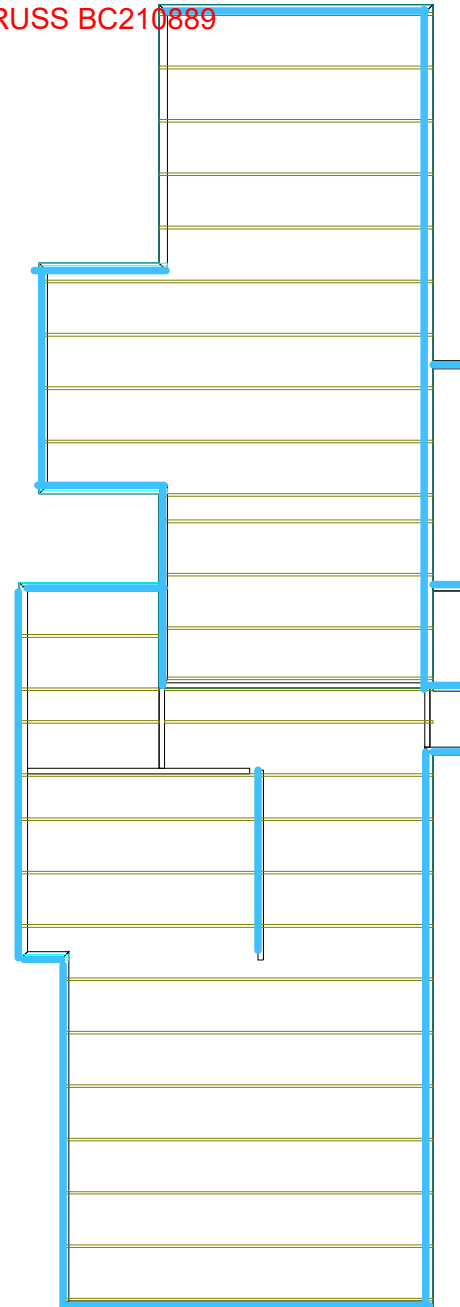
2 x 90mm x 3.15 Ø plain
steel wire nails driven
vertically into stud.

OPTION 2 ▲

(Alternative to NZS 3604:2011 Section 8)

ASBUILT TRUSS BC210889

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Site Address :
Graham Residence
Lot 382
29 Pegasus Main Street
Pegasus

Sheet Title :
As Built BC 210889
Stud To Top Plate Fixing

Date : 12 Oct, 2021 Drawn : Vern Harkerss
Scale : 1: 100 System : MiTek 20/20

Job Details:
Roof Pitch : 3.00deg
Roof Material : Galv Iron .5mm
Ceiling Material : Rondo screwed to BC
Wind Zone : High
Roof Snow Load : 0.441kPa

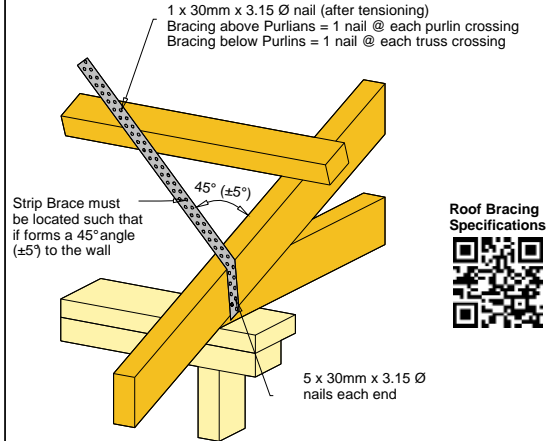
Truss Centres : 900mm
Roof Live Load : 0.250kPa
Floor Live Load :
Wind Speed : 44m/s
Overhang : 0mm



PrimeCad v4.7.334

Job Title :
062133A
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



Site Address :
Graham Residence
Lot 382
29 Pegasus Main Street
Pegasus

Sheet Title :
**As Built BC 210889
Truss Fixings & Roof Bracing**

Date : 12 Oct.2021
Scale : 1: 100
Drawn : Vern Harkerss
System : MiTek 20/20

Job Details:
Roof Pitch : 3.00deg
Roof Material : Galv Iron .5mm
Ceiling Material : Rondo screwed to BC
Wind Zone : High
Roof Snow Load : 0.441kPa

Truss Centres : 900mm
Roof Live Load : 0.250kPa
Floor Live Load :
Wind Speed : 44m/s
Overhang : 0mm

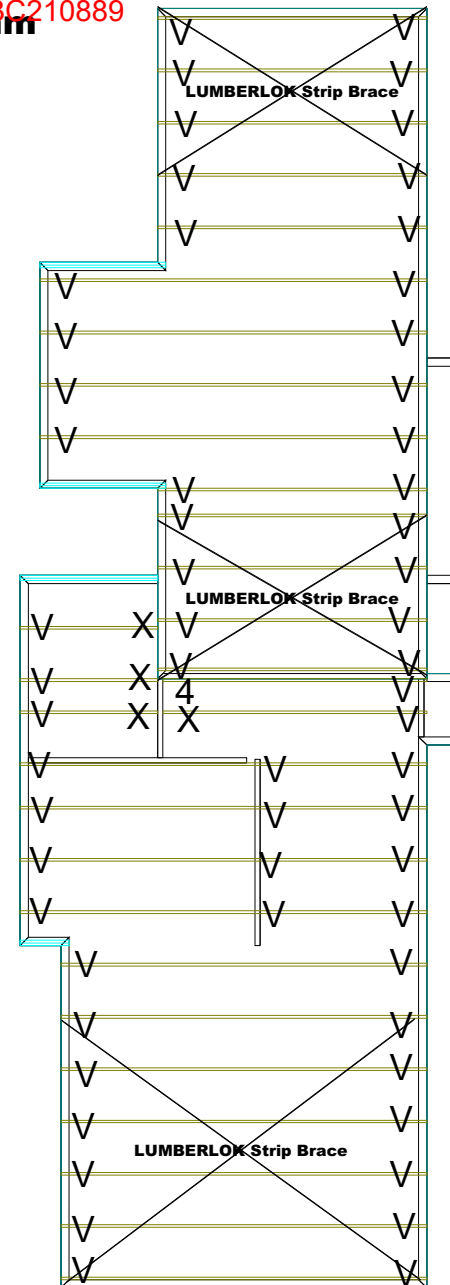


Job Title :
062133A
Sheet :
5
Revision Number :

Truss B/C restraints @ 600mm centres by ceiling battens

ASBUILT TRUSS BC210889

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PrimeCad v4.7.334

LUMBERLOK® LINTEL FIXING OPTIONS

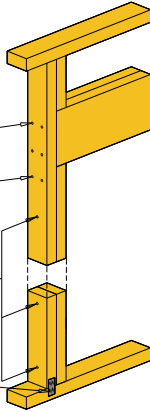
TYPE E 1.4 kN

4 x 90mm x 3.15 Ø nails
into lintel

2 x 90mm x 3.15 Ø nails
directly below lintel

Fix trimmer to understud
with 1 x 90mm x 3.15 Ø nail
@ 250mm crs

Tylok 2T4 one side



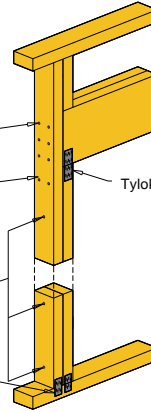
TYPE F 4.0 kN

6 x 90mm x 3.15 Ø nails
into lintel

2 x 90mm x 3.15 Ø nails
directly below lintel

2 x 90mm x 3.15 Ø nails
directly below lintel

2 x Tylok 2T4 for Radiata Pine
2 x Strap Nail for Douglas Fir



Notes:

For fixing of jack studs to lintel and top plate, refer to Stud to Top Plate Fixing Schedule

Stud numbers indicative only.
Refer to Table 8.5 NZS 3604:2011

LUMBERLOK Lintel 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)

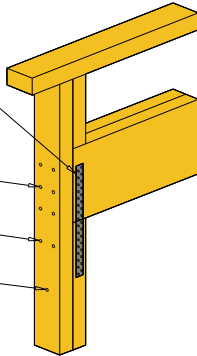
TYPE G 7.5 kN

200mm Sheet Brace Strap
to one side
6 x 30mm x 3.15 Ø nails each end

6 x 90mm x 3.15 Ø nails
into Lintel

2 x 90mm x 3.15 Ø nails
directly below lintel

Fix trimmer to understud
with 1 x 90mm x 3.15 Ø nail
@ 250mm crs (typical)



Note A:

M12 proprietary concrete fixing bolt
with 50x50x3mm square washer
Or

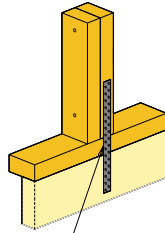
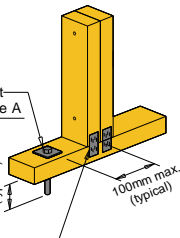
M12 x 150mm coach screw with
50x50x3mm square washer into
timber joist/bearer

M12 Bolt
See Note A

75mm min. into
concrete floor
(typical)

100mm max.
(typical)

2 x Tylok 2T4 both sides for Radiata Pine
2 x Strap Nail both sides for Douglas Fir



400mm Sheet Brace Strap to one side.

6 x 30mm x 3.15 Ø nails into stud.

3 x 30mm x 3.15 Ø nails into bottom plate.

6 x 30mm x 3.15 Ø nails into timber joist/bearer

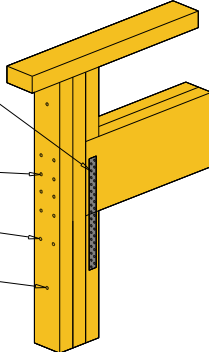
TYPE H 13.5 kN

200mm Sheet Brace Strap
to both sides
6 x 30mm x 3.15 Ø nails each end

8 x 90mm x 3.15 Ø nails
into lintel

2 x 90mm x 3.15 Ø nails
directly below lintel

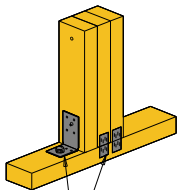
Fix trimmer to understud
with 1 x 90mm x 3.15 Ø nail
@ 250mm crs (typical)



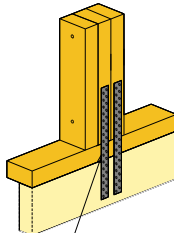
Note A:

M12 proprietary concrete fixing bolt
with 50x50x3mm square washer
Or

M12 x 150mm coach screw with
50x50x3mm square washer into
timber joist/bearer



GIB® HandiBrac T M and
2 x Tylok 2T4 both sides



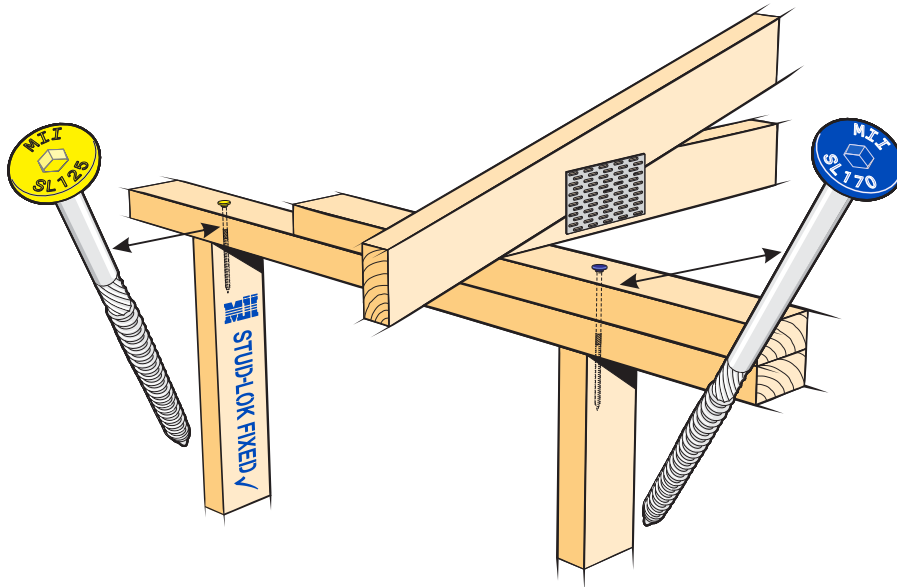
2 x 400mm Sheet Brace Strap to one side.

6 x 30mm x 3.15 Ø nails into stud.

3 x 30mm x 3.15 Ø nails into bottom plate.

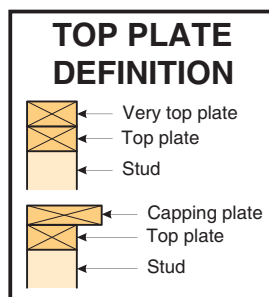
6 x 30mm x 3.15 Ø nails into timber joist/bearer

BOWMAC® STUD-LOK Top Plate to Stud Fixing

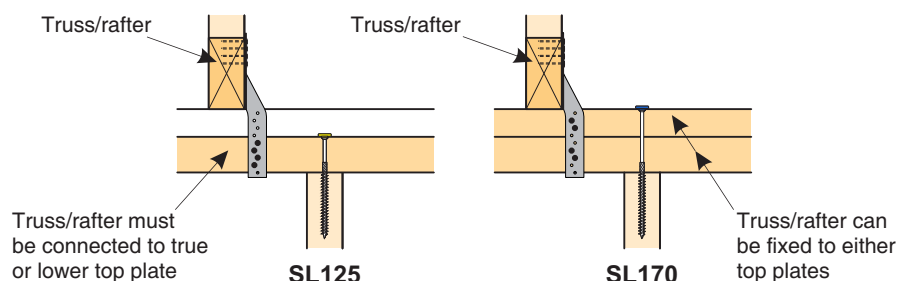


Inspection Note:

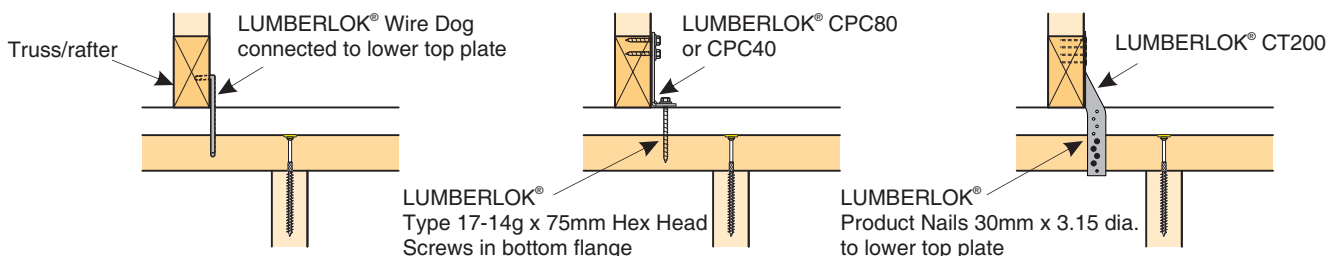
This wall frame has used the BOWMAC® STUD-LOK SL125 or SL170 as a method of fixing the top plate to the stud in place of the LUMBERLOK® Stud Strap or Type B fixings as shown on the MiTek 'Stud to Top Plate Fixing' template on the accompanying truss and frame design. Where the BOWMAC® STUD-LOK SL125 or SL170 has been applied in the factory by an accredited MiTek Fabricator, identification of this is by the "STUD-LOK✓" noted on the load bearing walls around the structure.



TRUSS/RAFTER TO TOP PLATE CONNECTIONS



TRUSS/RAFTER TO TOP PLATE CONNECTIONS WHERE BOWMAC® STUD-LOK SL125 IS USED



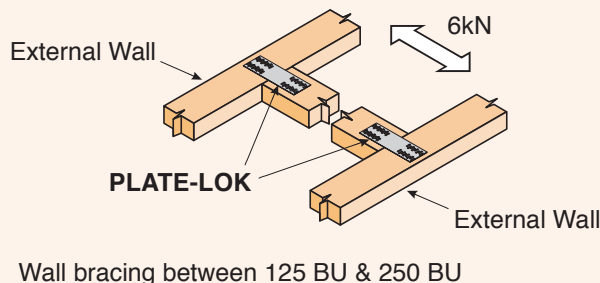
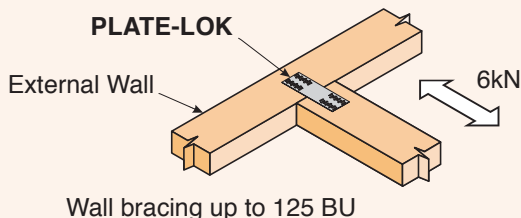
Where the BOWMAC® STUD-LOK SL170 is used to fix through the 'Very Top Plate' or 'Capping Plate', the truss fixings can be connected to any of these plates.



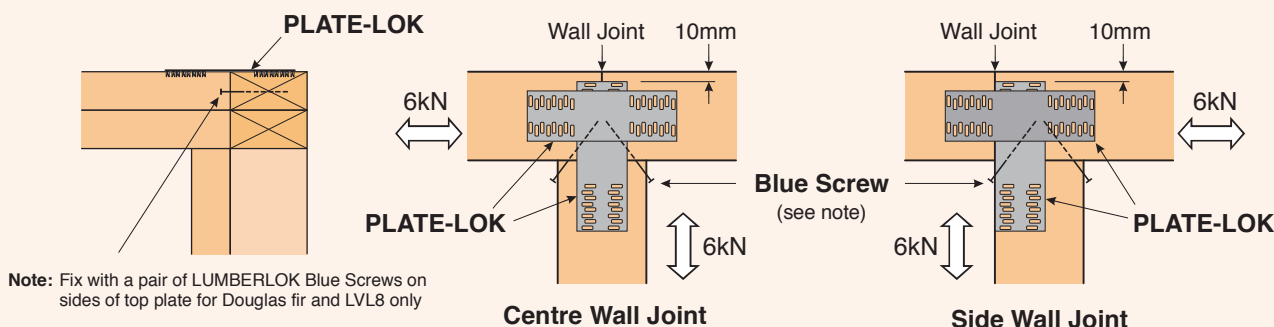
TOP PLATE CONNECTIONS AS REQUIRED BY CLAUSE 8.7.3 NZS 3604:2011

① Top plate joints for walls at right angles to external walls:

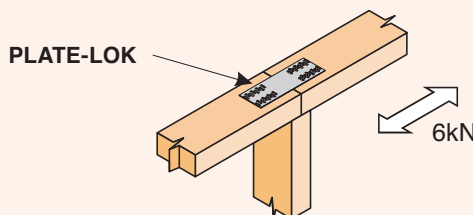
- (a) Walls with bracing elements not exceeding 125 bracing units (BU) require a 6kN capacity connection to one external wall.
- (b) Walls with bracing elements not exceeding 250 BU require a 6kN capacity connection to two external walls.



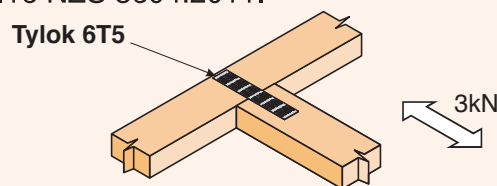
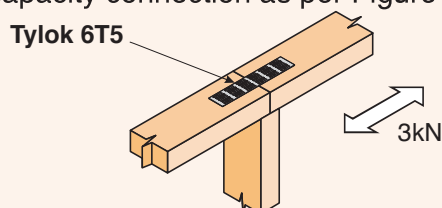
② Details of top plate joints using LUMBERLOK PLATE-LOK at "T" junction walls are shown below:



③ Top plate joints for all walls in line that have wall bracing elements exceeding 100 BU or have a ceiling diaphragm attached require a 6kN capacity connection as per Figure 8.15 NZS 3604:2011.



④ Top plate joints for walls at right angles and in line that have either no bracing elements or are on a single storey building only with wall bracing demands not exceeding 100 BU require a 3kN capacity connection as per Figure 8.15 & 8.16 NZS 3604:2011.



MiTek New Zealand Limited

AUCKLAND
PO Box 58-014, Botany 2163
Phone: 09-274 7109
Fax: 09-274 7100

CHRISTCHURCH
PO Box 8387, Riccarton 8440
Phone: 03-348 8691
Fax: 03-348 0314

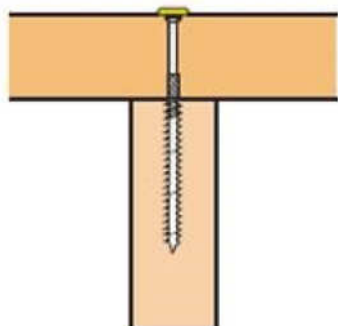
www.mitek.nz.co.nz

MITEK® LUMBERLOK® BOWMAC®

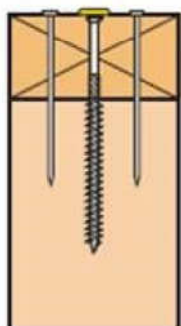
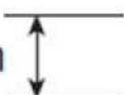
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Fix through single top plate

1. Full length stud option



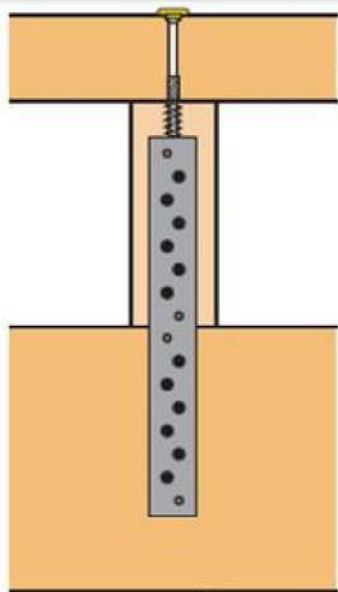
Max. 45mm



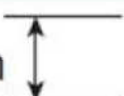
Single SL125

plus 2/ 90mm x 3.15 dia. nails

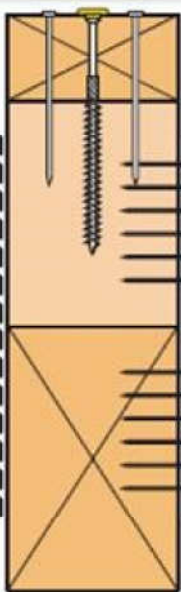
2. Jack stud option



Max. 45mm



Jack Stud
Min. 80mm



Lintel

Note: Connect jack stud to lintel with LUMBERLOK® Sheet Brace Strap 200 on one side with 6 x LUMBERLOK® P Nails 30mm x 3.15 dia. each end, **OR** a pair of Tylok 6T5 (one each side)

Kaiapoi I.T.M.

Job No: 062133A
Job Name: Van De Geese Building

Client: Graham Residence
Building Consent No: BC 210889

Site: 29 Pegasus Main Street

PRODUCER STATEMENT**MiTek Beam Program v1.07 April 2012****Certification of MiTek Beam Program v1.07 April 2012**

The MiTek Beam Program v1.07 April 2012 has been developed by MiTek New Zealand Ltd for the design of these beams: Timber, Glulam, GANGLAM and GANG-NAIL FLITCH BEAMS. The beam designs calculated by this program are prepared using sound and widely accepted engineering principles, and in accordance with Compliance Documents of the New Zealand Building Code and Verification Method B1/VM1 to satisfy the requirements of Clause B1 of the Building Code. We believe on reasonable grounds that these beams for the proposed building, if constructed in accordance with the drawings, specifications and other documents provided will comply with the relevant provisions of the NZ Building Code. This is subject to all proprietary products meeting their performance specification requirements; the provision of adequate bracing and fixings; and the correct input of design data carried out by suitably trained personnel.

Summary of MiTek Beam Program v1.07 February 2009 Data and Output**Roof**

Weight: light + ceiling
Dead Load: 0.45 kPa
Live Load: 0.25 kPa

Wind

Area/Speed: high (44.0 m/s)

Wall

Type: Low weight - 0.57kPa

Snow

Area: 0.7 kPa

Floor

Live Load: 1.5 kPa

Beam List

Opening Label	Beam Material	Beam Size	Beam Length	Design Status	Opening Label	Beam Material	Beam Size	Beam Length	Design Status
GD02	MSG8/VSG8	2/190x45	2400	OKAY					
D02	MSG8/VSG8	2/90x45	860	OKAY					
W02	MSG8/VSG8	2/140x45	1720	OKAY					
W03	MSG8/VSG8	2/140x45	1720	OKAY					
D03	MSG8/VSG8	2/140x45	860	OKAY					
W04	MSG8/VSG8	2/90x45	860	OKAY					
D04	MSG8/VSG8	2/290x45	2385	OKAY					
W05	MSG8/VSG8	2/140x45	1560	OKAY					
W06	MSG8/VSG8	2/140x45	2385	OKAY					
D01	MSG8/VSG8	2/190x45	1420	OKAY					
W01	MSG8/VSG8	2/90x45	500	OKAY					
Bed 2 D1	MSG8/VSG8	2/90x45	900	OKAY					
ID01	MSG8/VSG8	2/190x45	1500	OKAY					
W08	MSG8/VSG8	2/240x45	2385	OKAY					
W07	MSG8/VSG8	2/90x45	860	OKAY					
	MSG8/VSG8	2/240x45	2385	OKAY					

GANGLAM plating details indicated with RD (regular duty plating), HD (heavy duty plating) and SHD (super heavy duty plating)

The design input has been carried out by:

Signed:.....

Date: 12/10/2021

Name of Computer Operator: Vern Harkerss

Qualifications and Title: Detailer

Company: Kaiapoi I.T.M.

ASBUILT TRUSS BC210889
MiTek Beam v1.07 February 2009

RECEIVED 13/10/2021

Date: Tuesday, 12 October 2021
 Job Number 062133A
 Job Name Van De Geese Building
 Client Graham Residence
 Calculated By Vern Harkerss

Roof Weight light + ceiling
 Wind Zone high (44.0 m/s)
 Snow Load 0.7 kPa

Beam Details

Beam Label	GD02	D02	W02	W03	D03	W04	D04	W05	W06	D01
Beam Span (mm)	2400	860	1720	1720	860	860	2385	1560	2385	1420
Roof Span "S" (mm)	6280	6280	4120	2360	4620	6640	4620	900	700	4620
Overhang (mm)										
Wall Type	NA	NA	NA	NA	Low weight - 0.57kPa	NA	Low weight - 0.57kPa	Low weight - 0.57kPa	NA	Low weight - 0.57kPa
Wall Height (mm)					2455		2455	2455		2455
Floor Live load	NA	NA	NA	NA	1.5 kPa	NA	1.5 kPa	1.5 kPa	NA	1.5 kPa
Floor Span "F" (mm)					4620		4620	400		4620

MiTek Bearing Reactions

Not in use in this version

Point Load 1
 Girder Span (mm)
 Setback (mm)
 Location (mm)

Point Load 2
 Girder Span (mm)
 Setback (mm)
 Location (mm)

Point Load 3
 Girder Span (mm)
 Setback (mm)
 Location (mm)

Beam Status	OKAY	OKAY	OKAY	OKAY	OKAY	OKAY	OKAY	OKAY	OKAY	OKAY
Beam Material	MSG8/VSG8	MSG8/VSG8	MSG8/VSG8	MSG8/VSG8	MSG8/VSG8	MSG8/VSG8	MSG8/VSG8	MSG8/VSG8	MSG8/VSG8	MSG8/VSG8
Beam Size	2/190x45	2/90x45	2/140x45	2/140x45	2/140x45	2/90x45	2/290x45	2/140x45	2/140x45	2/190x45
Beam Deflection	3.54mm	0.55mm	1.53mm	0.88mm	0.51mm	0.58mm	3.42mm	2.04mm	0.96mm	1.53mm
Beam Length	2400	860	1720	1720	860	860	2385	1560	2385	1420

ASBUILT TRUSS BC210889
MiTek Beam v1.07 February 2009

RECEIVED 13/10/2021

Date: Tuesday, 12 October 2021
 Job Number 062133A
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 Client Graham Residence
 Calculated By Vern Harkerss

Roof Weight light + ceiling
 Wind Zone high (44.0 m/s)
 Snow Load 0.7 kPa

Beam Details

Beam Label	W01	Bed 2 D1	ID01	W08	W07	W10				
Beam Span (mm)	500	900	1500	2385	860	2385				
Roof Span "S" (mm)	2950	6980		4620	6640	4620				
Overhang (mm)										
Wall Type	NA	NA	NA	NA	NA	NA				
Wall Height (mm)										
Floor Live load	NA	NA	1.5 kPa	NA	NA	NA				
Floor Span "F" (mm)			5500							

MiTek Bearing Reactions

Not in use in this version

Point Load 1
 Girder Span (mm)
 Setback (mm)
 Location (mm)

Point Load 2
 Girder Span (mm)
 Setback (mm)
 Location (mm)

Point Load 3
 Girder Span (mm)
 Setback (mm)
 Location (mm)

Beam Status	OKAY	OKAY	OKAY	OKAY	OKAY	OKAY				
Beam Material	MSG8/VSG8	MSG8/VSG8	MSG8/VSG8	MSG8/VSG8	MSG8/VSG8	MSG8/VSG8				
Beam Size	2/90x45	2/90x45	2/190x45	2/240x45	2/90x45	2/240x45				
Beam Deflection	0.03mm	0.73mm	1.16mm	1.26mm	0.58mm	1.26mm				
Beam Length	500	900	1500	2385	860	2385				