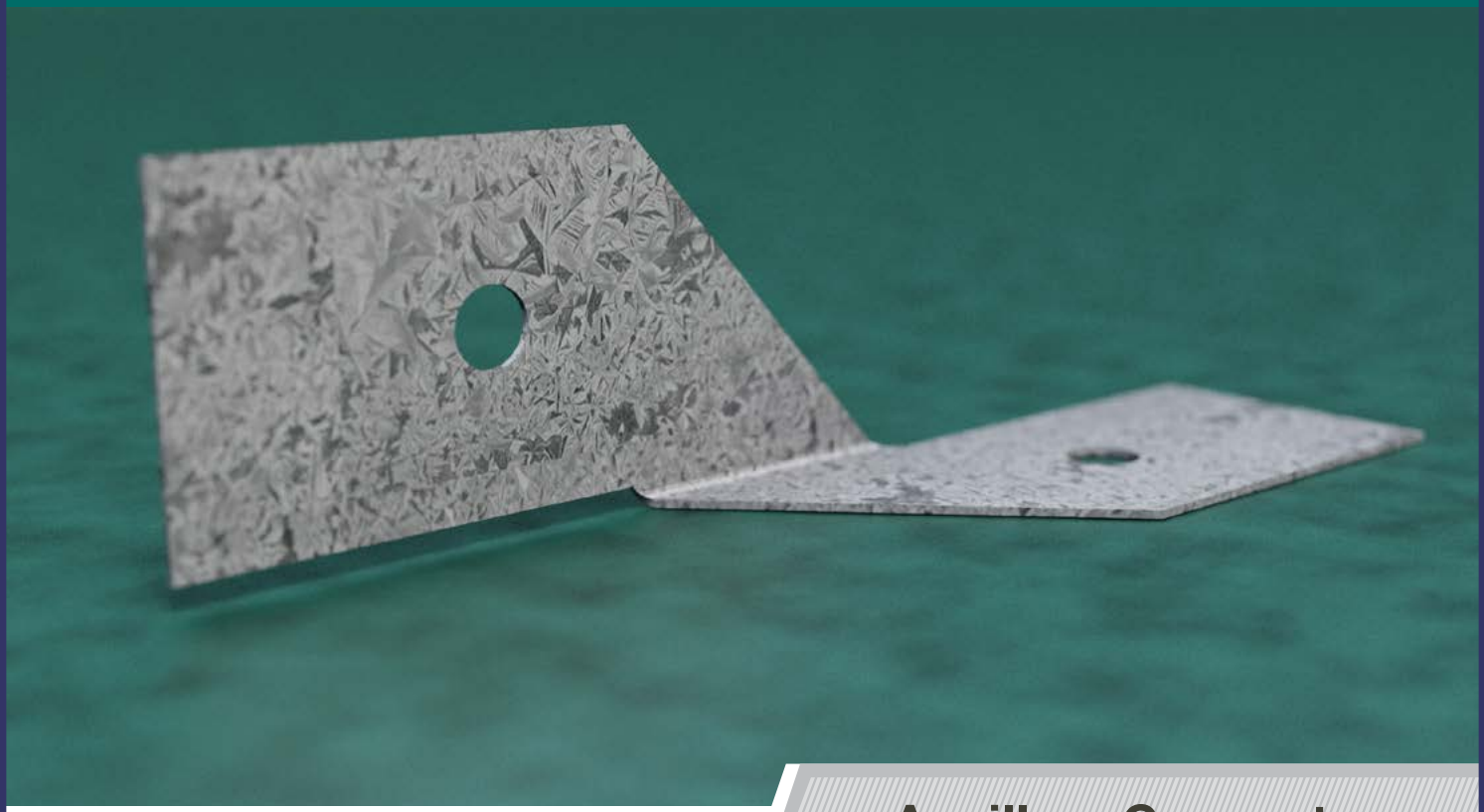
Uni Tie

Uni Ties are a strong and economical connectors for timber joints



Ancillary Connector

These pre-punched and formed galvanised steel timber connectors are:

The economical way of achieving a strong, rigid structure.

Quick and easy to install with a nail-gun.

More effective than skew or end nailing.

MULTINAIL™ Australia

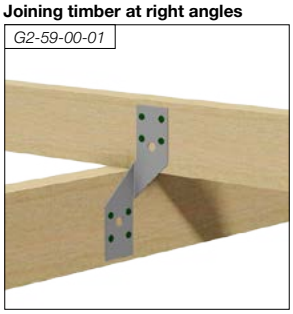
MULTINAIL Australia

Uni Tie

TYPICAL APPLICATIONS

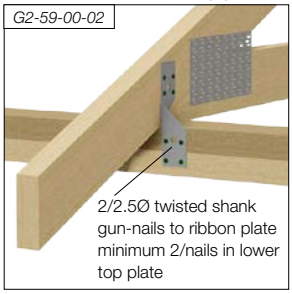
Joining timber at right angles

G2-59-00-01



For tie down to double top plates

G2-59-00-02



Purlin

G2-59-00-03

Notes

- Nail-Gun driven nails are to be more than 5mm from any metal edge or hole and spaced minimum 15mm apart.
- Gun-Nails are not to be driven at excessively high pressure, as they may punch through the steel product. Nail heads should be flush with the metal surface.
- Care must be taken when using Nail-Gun driven nails through metal products. Refer to the Nail-Gun supplier's safety recommendations before operating these tools. Items to consider include safety clothing, eye protection and the angle of the nail to the metal should be 90°. Multinail does not accept any responsibility for injuries incurred, if Nail-guns are used for installing Multinail metal products.

TIE DOWN CAPACITY

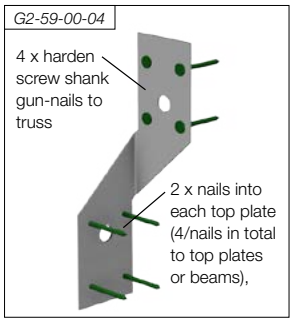
Joint Group	Tie down capacity (kN) per Uni Tie Dead Load + Wind Load
J2	4.0
J3	3.1
J4	2.2
JD3	4.0
JD4	3.1
JD5	2.5

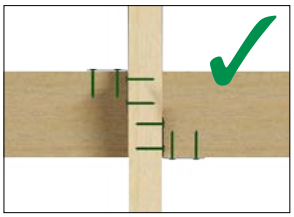
NOTE: The capacities are derived from testing in accordance with AS1720-2010 and are for uplift in houses where failure is unlikely to affect an area greater than 25m^2. For primary elements in structures other than houses or elements in a house for which failure would be greater than 25m^2 these capacities must be multiplied by 0.94. For primary joints in essential services or post disaster buildings multiply by 0.88.
For 2/Uni Ties the table values can be doubled.

FIXING

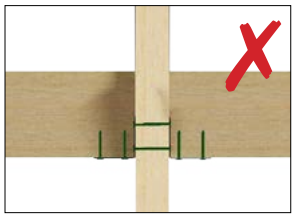
4/2.5Ø harden screw shank gun-nails into each truss and 2/nails into each top plate (4/ nails in total to top plates or beams),

G2-59-00-04





Install the Uni Ties as shown to achieve twice the load in the Limit State Design Load table.



Nailing into both sides of a single 35mm truss is not recommended as it may cause the timber to split.

DESCRIPTION AND PACKAGING

Manufactured from 1.0mm Galvanised G300 Z275 Steel

G2-59-00-05

Description	Product Code	Reference Code	Carton quantity	Carton kg.
Uni Tie	TA783	UT-200	200	9.6

Multinail Australia Pty Ltd is proudly 100% Australian owned and operated.
www.multinail.com.au

Figure 1: Uni-Tie Certification

Figure 2: Unpunched Cyclone Tie

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8/3/2016

To whom it may concern,

Re:- Triple Grips / Multi Grips vs Uni-Ties

With the QBCC recently enforcing a rule that does not allow nail-guns to be used with Triple Grips and Multi-Grips, Multinail has been investigating alternative truss to top plate connectors. One such connector that was found to be acceptable was the Uni-tie.

This letter is to confirm that when tying down roof trusses, designed in Multinail software, 1/Triple Grip or 1/Multi-Grip connector can be replaced with 2/3.05dia x 75mm long skew nails and 1/Uni-Tie which has 4 / 2.5mm diameter harden screw shank gun-nails into each truss and 2 / nails into each top plate (4/ nails in total to top plates or beams),

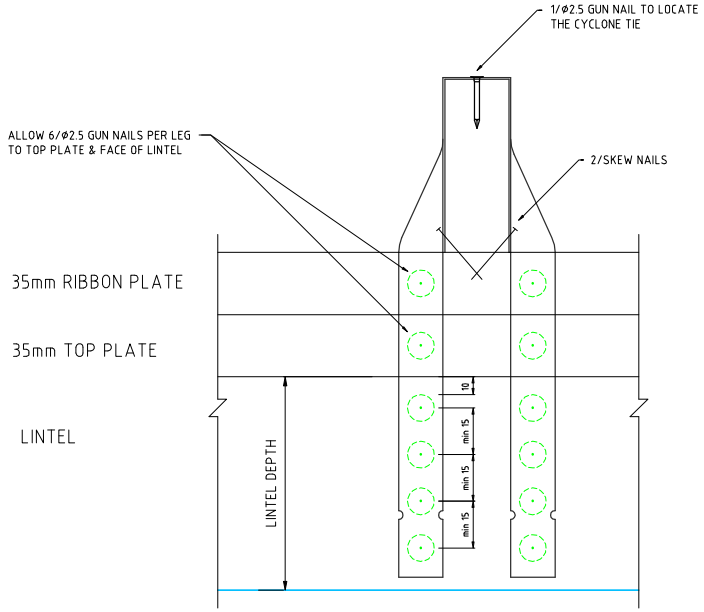
Uni-Ties, having a longer leg, have the ability to tie the truss down to the lower top plate which triple grips and Multi-grip do not do.

Uni-Ties from Multinail come without pre-punched nail holes to give more steel area to install with gun nails. Care must be taken when using Nail-Gun driven nails through metal products. Refer to the Nail-Gun supplier's safety recommendations before operating these tools. Items to consider include safety clothing, eye protection and the angle of the nail to the metal should be 90°. Multinail does not accept any responsibility for injuries incurred, if Nail-guns are used for installing Multinail metal products. Nail-Gun driven nails are to be more than 5mm from any metal edge or hole and spaced minimum 15mm apart. Gun-Nails are not to be driven at excessively high pressure, as they may punch through the steel product. Nail heads should be flush with the metal surface. If you have any queries regarding the use of Nail-Gun driven nails on our products, please call Multinail Engineering Department.

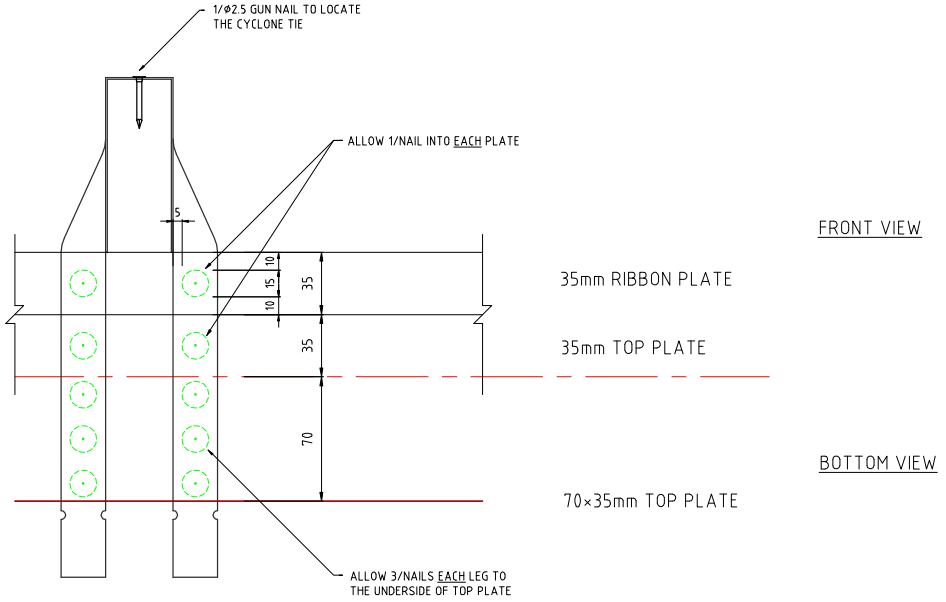
Sincerely,

Matthew Smith MIEAust CPEng RPEQ
Chief Engineer
Multinail Australia

CYCLONE TIE FIXING SCHEDULE - TO SIDE OF LINTEL WITH GUN NAILS



CYCLONE TIE FIXING SCHEDULE - WRAPPED UNDER TOP PLATE WITH GUN NAILS



Revision notes:			Drawn by: DAVID ZHANG Check by: MATTHEW SMITH	Site address:	Date: 14/12/15	MULTINAIL Engineering
Rev:	Date:	Notes:	Client:	Drawing Title: CYCLONE TIE 600 A01	Scale: N.T.S	16-26 Mary Street Kingston, QLD 4114 AUSTRALIA www.multinail.com.au
					Job Number:	