

Bracing of trusses – Directives

General rules

Trusses, or other structures with connector plates, are building elements that due to their slenderness in one direction need interaction with other elements in the building, for example the roof surface boarding.

It is very important that the trusses are assembled straight and vertical!

The building designer is responsible for the stability of the roof. This includes for example check of the sheeting interaction and that bracings can be attached to fixed points.

The truss drawing shows the design bracing conditions that are used for design. It is very important to follow these conditions when assembling the roof! The specified bracing distance cannot be exceeded. *Neglecting bracing can cause total collapse of the building!*

Top chord (compressed members)

Usually braced with the roof boarding or purlins. The horizontal top chord on hip trusses sometimes needs extra bracing between the connected hip mono trusses.

You need to be particularly observant on bracing on roof beams in combination with ceiling without sheeting interaction.

Webs

Compressed webs may require bracing in one or more points to prevent buckling. Webs that need bracing are marked with a symbol on the truss drawing.

See also Type drawing TB96-10.

Bottom chord

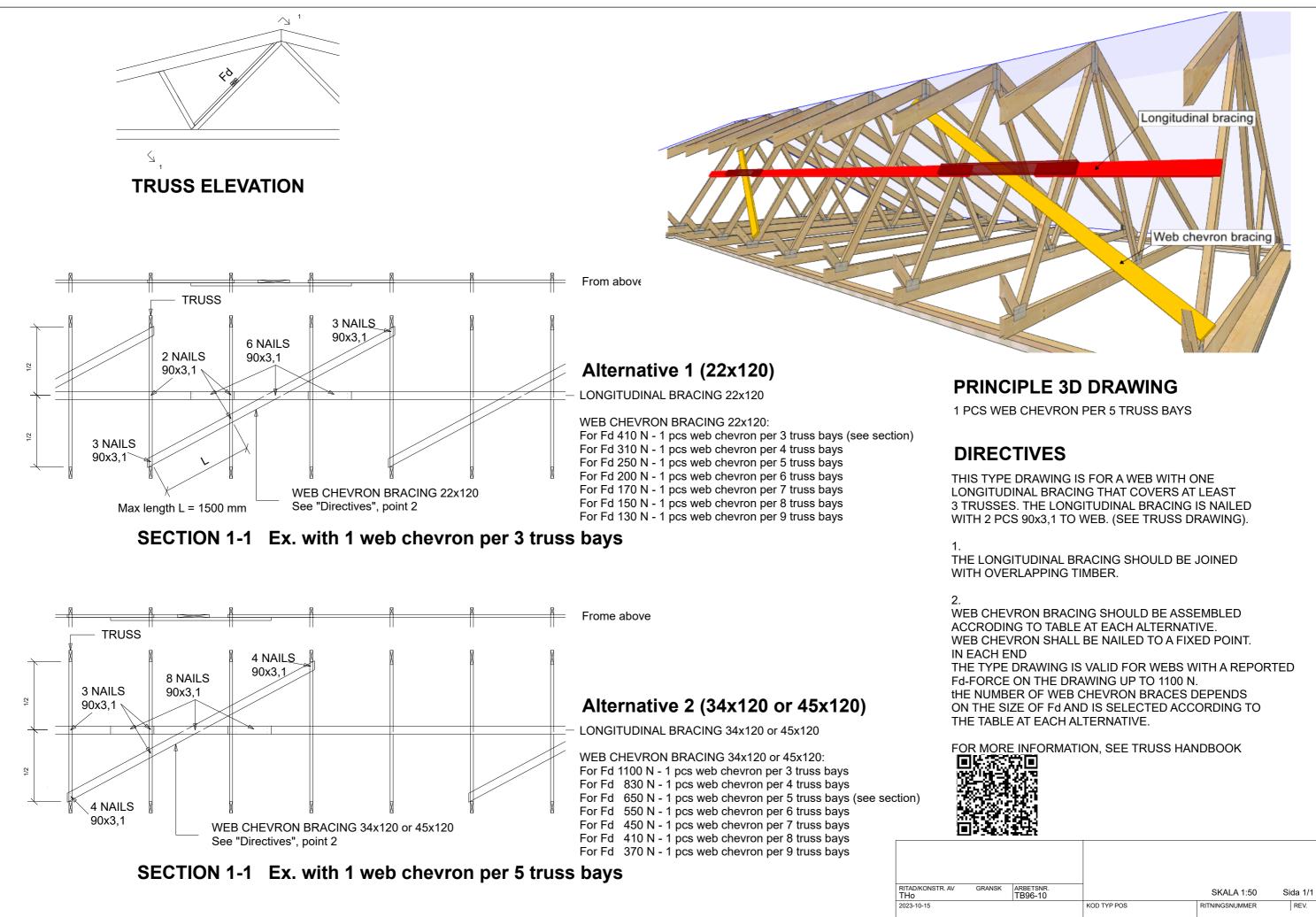
Has usually only small compression forces and is braced by the ceiling.

The total stability should be considered in particular on roofs with no ceiling.

Type drawing

Attachments:

- □ This information about general instructions
- **TB96-10** Bracing of compressed webs (maximum Fd-force = 1.1 kN)



arbetsnr. TB96-10		SKALA 1:50	Sida 1/1
	KOD TYP POS	RITNINGSNUMMER	REV.