



## TRUSSED RAFTER ASSOCIATION

### *Information*

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#### **Limits for Cutting, Notching and Drilling of Trussed Rafters**

It is generally not permitted for trussed rafters to be cut, notched or drilled unless this has been allowed for in the design by the Trussed Rafter Designer. With the specific exception of the rules for cutting and drilling shown below, it should be assumed that trussed rafters must **NOT** be cut, notched or drilled unless there are specific instructions on site, prepared by the Trussed Rafter Designer.

##### **Standard Trussed Rafters**

- \* Overhangs and flying rafters may be trimmed unless otherwise advised by the trussed rafter supplier.
- \* Cutting, notching and drilling is **NOT** permitted.

##### **'Room in the Roof' (Attic) Trussed Rafters.**

The following actions are **NOT** permitted:

- \* Notching anywhere within the trussed rafter. **\*\*see Note 1 below**
- \* Drilling of the rafter or internal members.
- \* Notching or drilling of any compound girder trussed rafter unless this has been checked and approved by the trussed rafter designer.

Drilling of the bottom member of the truss is permitted within the following constraints:

- \* Holes may be drilled only within the areas indicated in Fig. 1
- \* Holes must be drilled on the centre-line of the member.
- \* Minimum spacing between adjacent holes is 100 mm.
- \* Maximum size of drilled holes is as shown in Table 1.
- \* **Under no circumstances should holes be drilled within 500 mm of a loadbearing support or within 250 mm of a plated splice joint.**

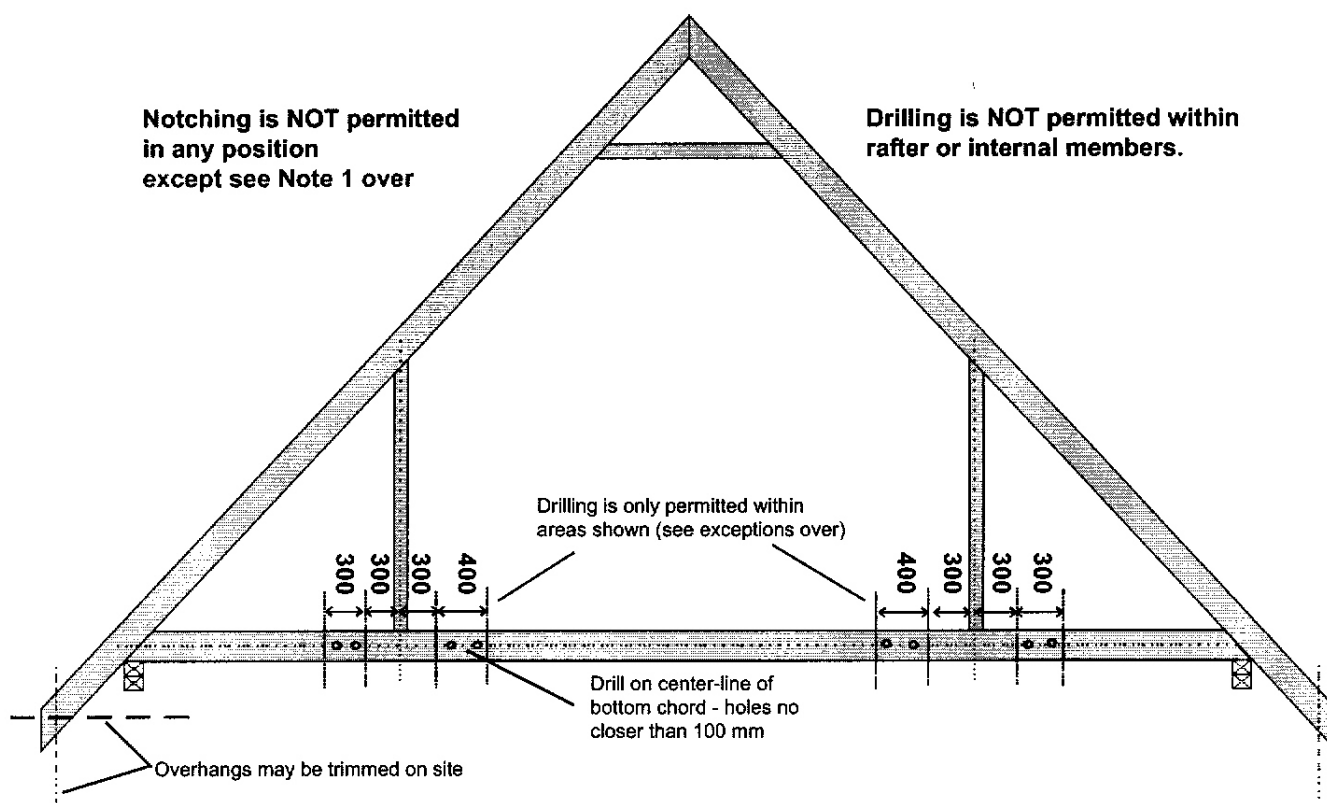
'Room in the Roof' trussed rafters should never be cut to accommodate dormers or stairwells without obtaining detailed instructions from the Trussed Rafter designer.

**NOTE 1** It is permitted for the bottom chords of 'Room in the Roof' (Attic) trusses to be notched up to 5 mm in depth to accommodate gable lateral restraint straps as required by Building Regulations

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**Table 1 - Max size of hole within permitted areas, based upon depth of bottom chord**

Bottom Chord Depth mm	Maximum Hole Diameter mm
147	16
172	20
197 or greater	25



**Fig. 1 - Permitted drilling areas within bottom chord**

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