



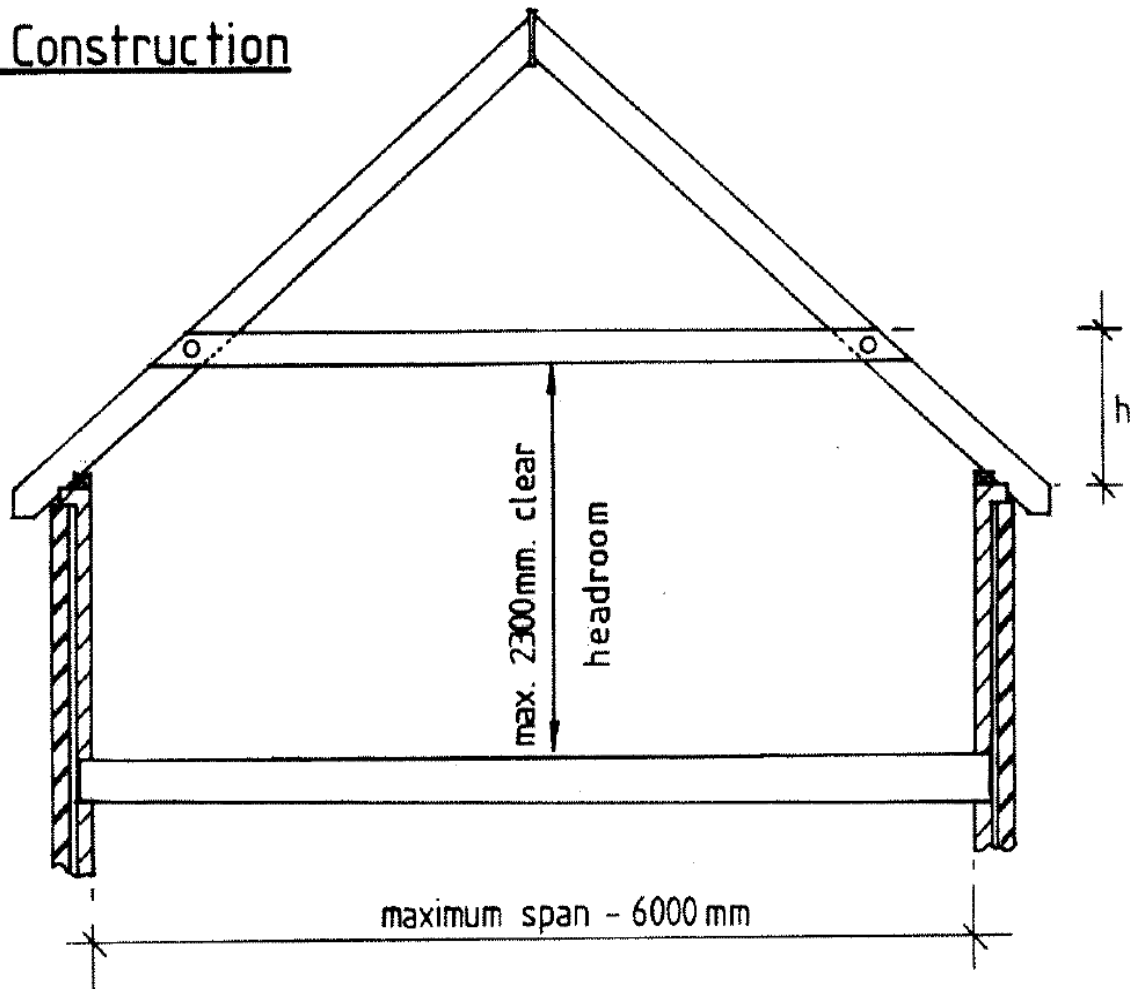
LINCS BUILDING
CONSULTANCY

Guidance Note No. 45

Raised Tie Roof
Construction
– up to 6m span

Raised Tie

Roof Construction



Rafter Size	Tie Joist	H (max)	Span (max)
50 x 200	38 x 175	725	6000
50 x 175	38 x 175	525	6000
50 x 150	38 x 200	325	6000

Collar / Rafter Connection – 51Ø double sided toothed connector and M12, grade 4.6 bolts

NOTES

1. All timber to be graded S C 3.
2. Trusses at maximum 400mm centres.
3. Roof pitch: - minimum 30°, maximum 55°.
4. Tile weight : - maximum 61kg/sq.m
5. Roof bracing requirements to be in accordance with B.S. 5268 : Part 3 : 1998.
6. Cavity Wall Construction: - 100mm inner leaf blockwork, min 3.5N/mm².
102.5mm outer leaf brickwork.

Sources of information:-
Hutter Jennings and Titchmarsh,
Consulting Structural and Civil Engineers

Dimensions in millimetres



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Please note that these guidance notes are for advice only and may not cover all situations. It is your responsibility to ensure that they are appropriate for use in your particular circumstances.