

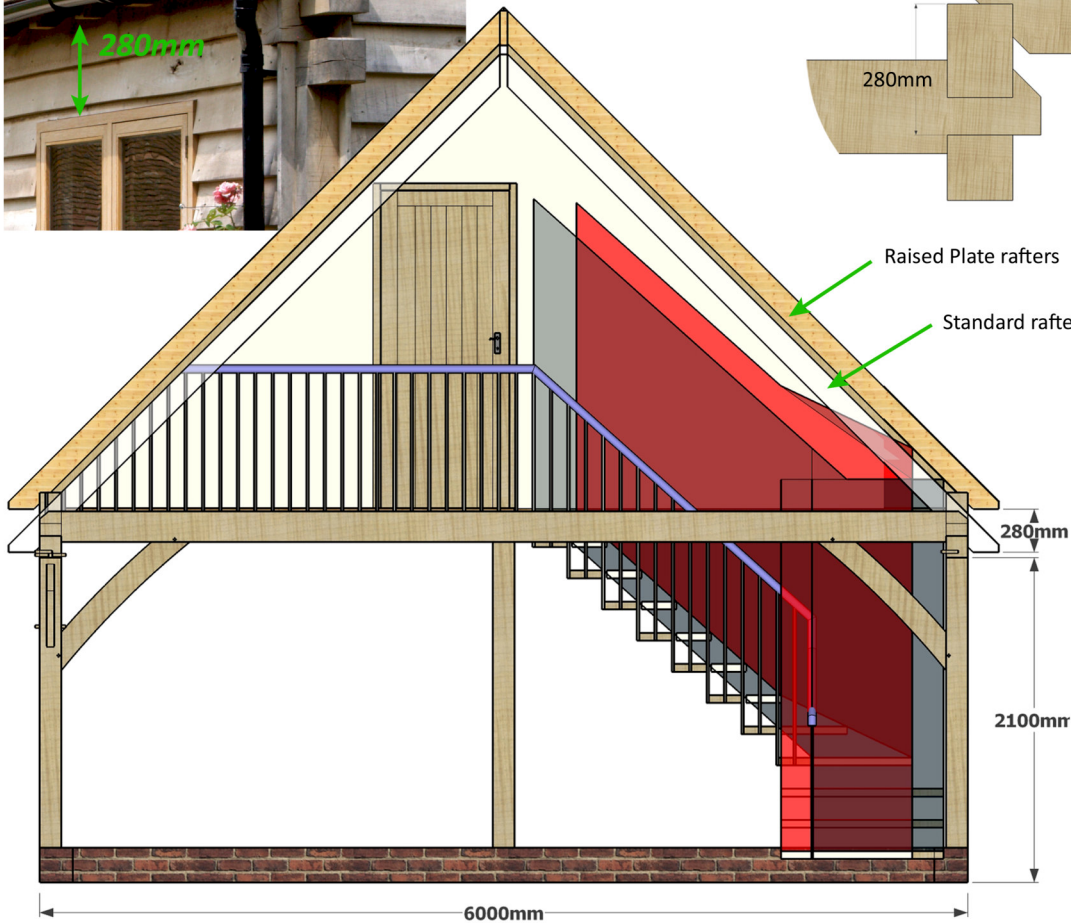
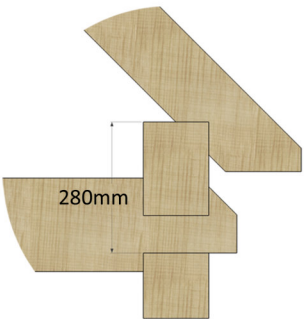
It isn't possible to fit an internal staircase that meets building regulations into a standard 6m wide building as a 2m headroom can't be maintained for the full flight of the stairs.

However there are some options available

1. by raising the rafters by 280mm by use of a raised plate it is just about possible to fit both a square landing stair or a winder staircase
2. by increasing the building depth to 6.3m and raising the eaves to 2.2m gives more than ample room to accommodate the stairs but this will increase the tie beam to 300mm deep increasing the overall costs.



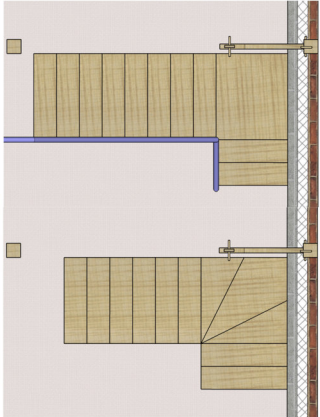
Raised Plate Detail



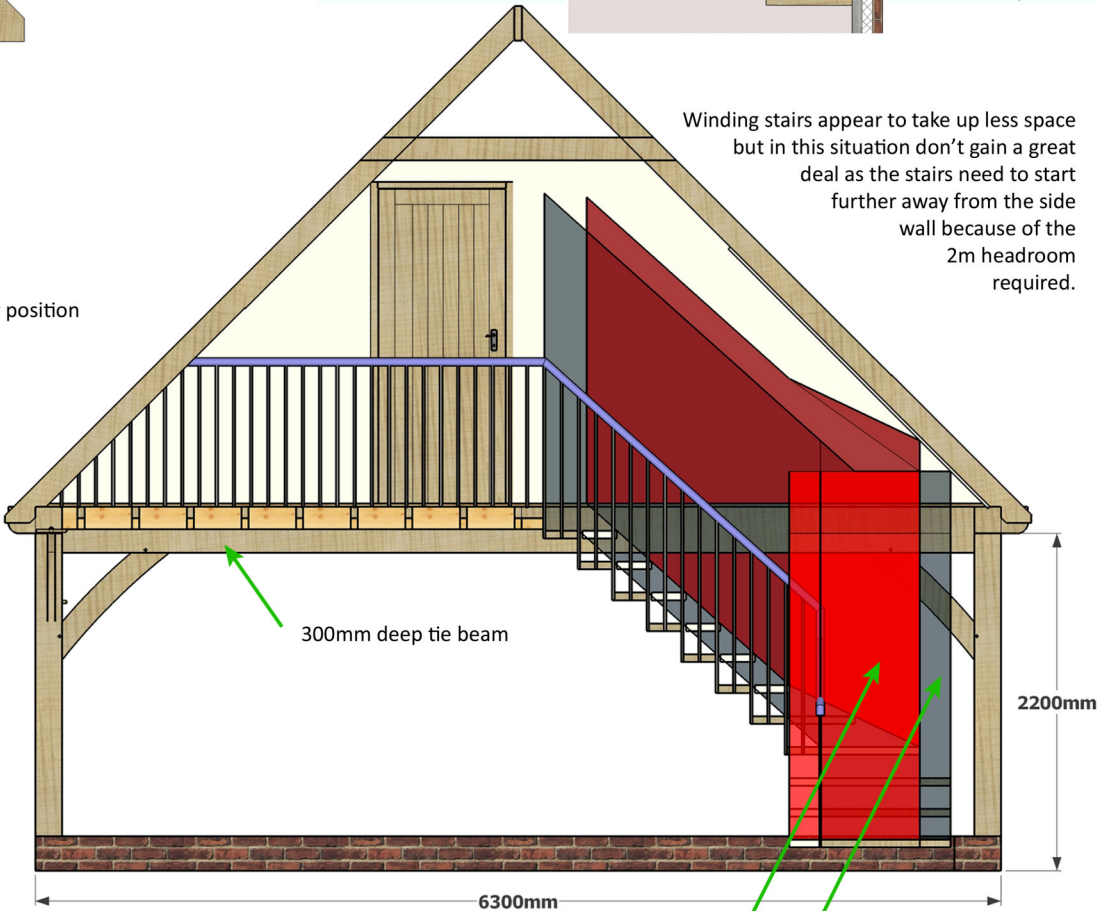
The extra 280mm height gained by using a raised plate allows sufficient room to fit an L shaped stair and still give 2m headroom at first floor



Landing Stair



Winding Stair



Winding stairs appear to take up less space but in this situation don't gain a great deal as the stairs need to start further away from the side wall because of the 2m headroom required.