intended to identify key features of the invention. Rather, it is to present some of the inventive concepts of this invention in a generalised form as a prelude to the detailed description that is to follow.

[006] The present invention seeks to provide a prefabricated roofing system and a method of juxta-positioning roof modules on the roof supporting rafters. Some advantages of the present invention is reduction of the amount of time and skilled labour required for on-site building construction, reduced amount of work performed at elevated heights which means improving work-site safety, improvement in work efficiency, improvement in the finishing and quality control, and faster completion time. Other advantages are also apparent after a reader has appreciated the working of the present invention.

[007] In one embodiment, the present invention provides a prefabricated roofing system. The prefabricated roofing system comprises a roof support system and a plurality of roof modules. The roof modules are pre-designed and prefabricated in a factory, with each corner of a roof module having an L-shaped bracket for mounting onto said roof support system, wherein each said L-shaped bracket has a corner notch and a mounting leg, with said mounting leg at said corner notch being ~~chambered~~chamfered, such that when a new roof module is juxtaposed in a predetermined direction to an adjacent roof module already arranged on said roof support system, said new roof module is guided into position by cooperation of said chamfered mounting leg of an associated L-shaped bracket with said corner notch of the cooperating L-shaped bracket disposed on said adjacent roof module.

[008] In another embodiment of the prefabricated roofing system, a side member of each roof module comprises two spaced apart projecting guides and the opposite side member comprises two cooperating apertures. Each projecting guide comprises a base plate and a skewer member. When a new roof module is brought progressively close for connection with a roof module already mounted on the rafters, the skewer member located on the roof module (already mounted on the rafters) is made to engage with the aperture located on the new roof module to help align and guide juxta-positioning of the new roof module with the already mounted roof module.

[009] In another embodiment, the present invention provides a method of constructing a roof of a building. The method comprises pre-designing a roof support system and a plurality of roof

CLAIMS:

1. A prefabricated roofing system comprising:

a roof support system; and

a plurality of roof modules that are pre-designed and prefabricated in a factory, with each corner of a roof module having an L-shaped bracket for mounting said plurality of roof modules onto said roof support system, wherein each said L-shaped bracket has a corner notch and a mounting leg, with said mounting leg at said corner notch being ~~chambered~~chamfered, such that when a new roof module is juxtaposed in a predetermined direction to an adjacent roof module already arranged on said roof support system, said new roof module is guided into position by cooperation of said chamfered mounting leg of an associated L-shaped bracket with said corner notch of the cooperating L-shaped bracket disposed on said adjacent roof module.

2. A system according to claim 1, wherein said roof support system comprises two or more spaced apart rafters.

3. A system according to claim 2, wherein said predetermined direction is in a width W direction of said roof module, and said roof module width is substantially a spacing between two said rafters.

4. A system according to claim 1, wherein said predetermined direction is in a lateral or longitudinal L direction of said roof module.

5. A system according to any one of claims 1-4, wherein each L-shaped bracket is mounted on an associated rafter via said mounting leg whilst it is mounted onto a side member of the associated roof module via an attachment leg.

6. A system according to claim 5, wherein said corner notch extends to said attachment leg.

7. A system according to any one of claims 1-6, wherein said two roof modules further comprising separately a projecting guide and a cooperating aperture.

8. A system according to claim 7, wherein said projecting guide comprises a base plate and a skewer member projecting substantially perpendicular to said base plate.

9. A system according to claim 8, wherein the skewer member comprises a base portion that is substantially perpendicular to said base plate and the skewer member is at an acute angle to said base portion so that the skewer member is pointing upwards.

10. A system according to claim 8 or 9, wherein said skewer member is tapered.

11. A system according to any one of claims 7-10, wherein said aperture is oblong in shaped.

12. A system according to any one of claims 7-10, wherein said aperture is egg-shaped.

13. A system according to any one of the preceding claims, wherein each said roof module further comprises a modular roof cover, such that after juxtaposition, adjacent said modular roof covers overlap in said predetermined direction.

14. A system according to claim 13, wherein adjacent roof modules are juxtaposed in a second direction substantially perpendicular to said predetermined direction, so that adjacent modular roof covers overlap along edges in two directions to form an integral roof covering.

15. A system according to claim 15, wherein each said roof module further comprises a modular ceiling panel, so that adjacent modular ceiling panels are juxtaposed in two directions to form an integral ceiling.

16. A method of constructing a roof of a building, said method comprising:

pre-designing a roof support system and a plurality of roof modules for mounting onto said roof support system;

pre-fabricating said plurality of roof modules in a factory;

transporting said prefabricated roof modules from the factory to the building site; and

juxtapositioning said roof modules onto said roof support system; wherein said juxtapositioning is guided by a chamfered edge of a L-shaped mounting bracket disposed on one roof module engaging a corner notch of a similar L-shaped mounting bracket disposed on a cooperating roof module.

17. A method according to claim 16, wherein said juxtapositioning is further guided by a projecting guide disposed on a side member of said roof module cooperating with an aperture disposed on a side member of said cooperating roof module.

18. A method according to claim 16 or 17, wherein each said roof module further comprises a modular roof cover, and juxtapositioning said roof modules causes edges of adjacent modular roof covers to overlap and form an integrated roof covering.

19. A method according to claim 18, wherein each said roof module further comprises a modular ceiling panel, and juxtapositioning said roof modules causes said modular ceiling panels to form an integrated ceiling.