

A DETACHABLE AND READY-TO-ASSEMBLE MODULAR HOUSING SYSTEM

***Kindly advise us if we have misunderstood your invention or have labelled the components wrongly. All the highlighted parts are not shown in the drawings.**

I/We claim:

1. A detachably modular system for manually constructing a housing characterised in that:

a floor assembly comprising a plurality of floor beams (19), a plurality of ledgers (18), a plurality of floor joists, and a plurality of floor modules (20);

wherein the plurality of ledgers (18) are fastened to the inner portions of the floor beams (19) and to both opposite sides of the floor joists by a plurality of fastening means (23);

wherein the floor modules (20) having the plurality of ledgers (18) fastened beneath the floor modules (20), are rested at a predetermined depth on the ledgers (18) and the joists;

a roof assembly comprising a plurality of roof beams (15), a plurality of collar ties (12), a plurality of rafters (13), a plurality of gable ends, a plurality of purlins (11), a plurality of roof modules (10), and a roof capping (14);

a wall assembly comprising a plurality of wall posts (17), a plurality of wall panels (16), a plurality of window panels, and a plurality of door panels, wherein the plurality of wall panels (16), the plurality of window panels, and the plurality of door panels have pre-drilled holes at each side of the panels for receiving the fastening means (23) to assemble different panels together;

whereby the plurality of wall panels (16), the plurality of window panels, and the plurality of door panels are fastened to the outer side of the roof beams (15) and on the floor modules (20) by the plurality of fastening means (23);

whereby the wall posts (17) are embedded into the ground and supported by a plurality of padding (21);

wherein the plurality of floor beams (19), the plurality of roof beams (15), and the plurality of wall posts (17) are fastened together by the plurality of fastening means (23) to form a structural frame and is arranged according to a tartan grid; and

wherein the floor assembly, the roof assembly, and the wall assembly are detachably attached together by the plurality of fastening

means (23) and are ready to be assembled without use of heavy machineries.

2. A detachably modular system for manually constructing a housing, according to claim 1, wherein the fastening means (23) comprises of bolts, nuts, hangers, brackets or combinations thereof.
3. A detachably modular system for manually constructing a housing, according to claim 1, wherein the housing is extendable according to the tartan grid.