

PRESS RELEASE: Build Homes Without Framing - Patent Now Pending

For Immediate Release

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A new and patented method to build strong, energy efficient homes without framing saves thousands in costs and weeks in labor making good quality, renewable and energy efficient homes more affordable and quicker to build.

Building on the increasingly important off-site or manufactured housing trend, this patent brings various methods and attempts to its most efficient conclusion – building homes without the need for costly and labor-intensive framing.

Building with wood is good for the environment – its sustainable, renewable and sequesters carbon. This frameless construction method more efficiently utilizes wood to minimize waste and materials.

This method to construct residential and light commercial properties without framing (no studs, joists, rafters or trusses!) using conventional wood products has just been published by the US Patent Office (US20190210317A1) as developed by engineer James Walker. (<https://patents.google.com/patent/US20190210317A1>)

This method uses engineered panels to form the roof, walls and flooring of homes. The engineered panels are of such significant strength that no framing is required – no studs, joists, rafters or trusses - are needed to build a home, apartment building or light commercial structure.

Without the need for a frame, the costs of a home are significantly reduced saving thousands of dollars in construction costs. Additionally, the method takes weeks, if not months, off the building schedule allowing quick construction and move-in.

The patented frameless construction method provides integrated ventilation for the roof and walls ensuring the removal of moisture while providing a cooler roof and attic and longer lasting roof. This ventilation also prevents ice dams in the winter. Wall panels are ventilated with an integrated rain screen which is increasingly required by building codes. Floors and ceilings have integral plenums that are used to distribute heated and cooled air to the interior of the building, eliminating the need for ductwork – another significant cost saving.

Buildings constructed with this frameless method are very energy efficient since the thermal layer is continuous without any thermal breaks.

Frameless construction is valuable for many markets: homes, multi-family dwellings, schools, dorms, offices and other light construction. It is ideal for manufactured homes insuring that this affordable segment of housing remains attainable.

Developed by James Walker, a registered engineer, it is part of the product line of Innovative Structural Building Products (isbp.com) and is an extension of previously patented products for ventilated roof and wall sheathing and multi-plenum floor sheathing.

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