

PRESS RELEASE: Patent Granted - Build Homes Without Framing

For Immediate Release

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A patent has been granted to James Walker, PE for a method of constructing homes without the need for framing. Using patented high strength panels, a home can be quickly and economically built without the need for studs, joists, rafters or trusses. This saves significantly on construction costs and reduces construction time by 2/3 compared to conventional construction.

Frameless-Construction™ homes are not only strong, but are energy efficient, renewable and utilize significantly less wood saving trees while being stronger than conventional construction.

THE FUTURE HAS BEEN PATENTED!

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 of OSB or plywood 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. Additionally, this is renewable construction using all wood materials.

Dr. Mark Gagnon, Penn State Professor says: *Jim Walker and the ISBP Team continue to advance building envelope technologies resulting in increased structural performance and reduced material use. Their latest patent on frameless construction brings all their innovative elements together to provide effective solutions for the current demands of light frame construction.*

Frameless construction could revolutionize the construction of homes, multi-family dwellings, light construction and manufactured homes.

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.

James is available at james@isbp.com