

PRESS RELEASE

Innovative Structural Building Products is excited to announce that James Walker, PE, CEO was awarded his 10th patent in the construction and building products industry. The patent was recently approved and will be issued this fall.



This patent, **Frameless Construction using Single and Double Plenum Panels**, is the patent that provides a method of constructing wood buildings or structures without framing – no joists, studs, rafters or trusses. This method is also applicable to most mass timber applications but instead of using solid CLT for panels, the light weight engineered single and double plenum panels are used for floors, walls and roofs.

This patent extends the usefulness of the patented **PlenumPanels™** (www.plenumpanels.com) for use in mass timber construction. **PlenumPanels™** are 60% lighter than solid CLT and cost about half. Significant savings in foundations, columns and shipping are possible with lighter panels. They also outperform solid CLT with better vibration characteristics, better sound attenuation, and better thermal properties. In addition, the plenums are a great space to run MEP.

The patent also includes many methods of joining panels with unique connection details including moment frames and unique screws that cut their own washer on their way to securing a panel with multiple layers.

Additionally, this patent claims priority to an initial application in 2010 that protects protecting a wealth of future possible patents.

Innovative Structural Building Products is currently seeking licensing opportunities for its technology with companies who wish to capitalize on the strong emerging mass timber market. (www.isbp.com)

The new patent is here: <https://patents.google.com/patent/US20190210317A1>

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