FrameUpNow design process, specifications, calculations and Plan Set output

FrameUpNow (FUN) and Algorithmic Automation (Rule-Based Automation) FrameUpNow's design outcomes rely on a ***proprietary*** set of design specifications; Three Hundred and Fifty pages of specifications and > 6000 lines of code.

The FUN design system follows a fixed set of programmed instructions, decision trees, and engineering rules to produce consistent outputs, limiting or avoiding human intervention at each step and thus producing plans that meet the standards of International Building Code with no further engineering effort.

FUN's ADU design process and system applies pre-defined structural engineering rules, International Building Code requirements (IBC), and manufacturing constraints to systematically design a Skeleton (Home Frame) in metal or convert a wood-frame ADU plan into a steel skeleton.

The FUN design workflow is highly sophisticated and processes large volumes of plans in a short period and improves accuracy through experience documentation.

The FUN system does not exhibit autonomous reasoning. Instead, the FUN design system is a deterministic, rule-driven process — ensuring speed, repeatability, and compliance with engineering and buildability processes and standards.