

*Genia helps us stress test the impact to existing structure in a retrofit project, allowing structural and mechanical engineers to collaborate more efficiently.*

**SUFFOLK**

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*By using Genia, I'm able to produce permit-ready structural drawings in just a couple hours.*

80 | M

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*We use Genia to help one developer client cut 15% material spending on structure without sacrificing performance.*

**Best West Engineers Ltd.**

**DESIGN NOW**

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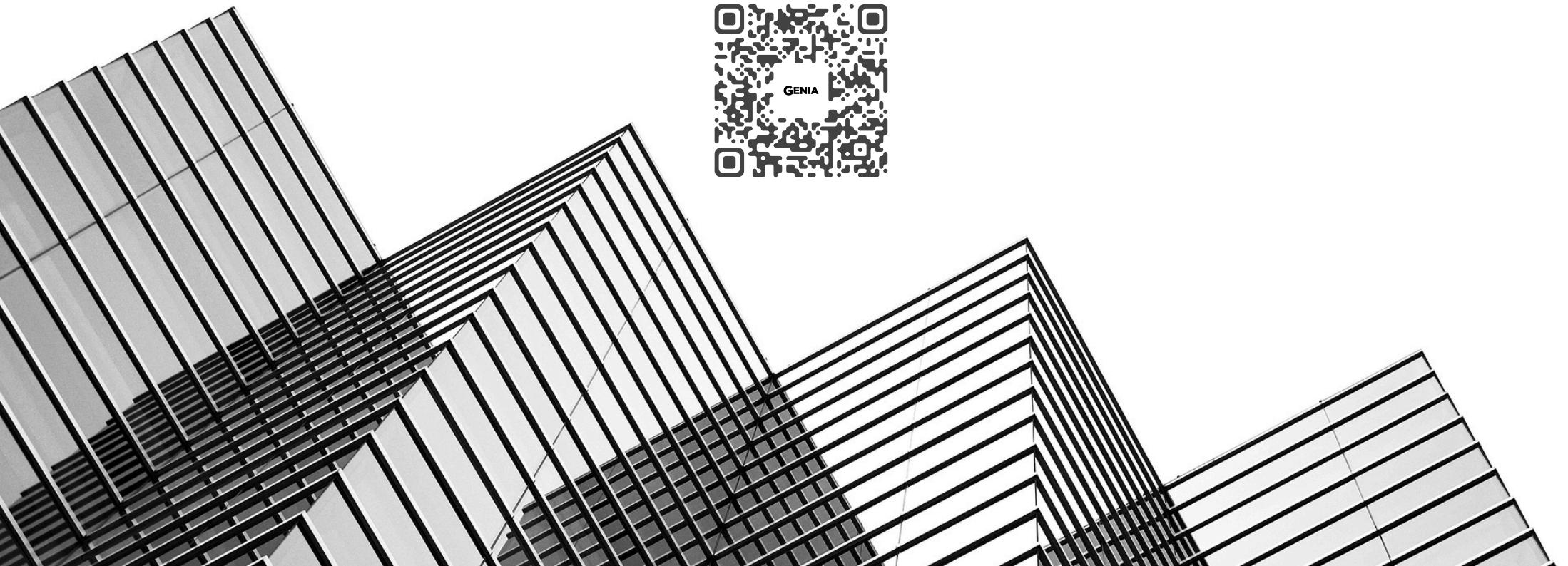
[www.genia.design](http://www.genia.design)

145 S. Fairfax Avenue,  
Los Angeles, CA 90036

[help@genia.design](mailto:help@genia.design)

**GENIA**

**10x Faster Structural  
Design with AI**



IS THIS YOUR  
DESIGN REALITY?

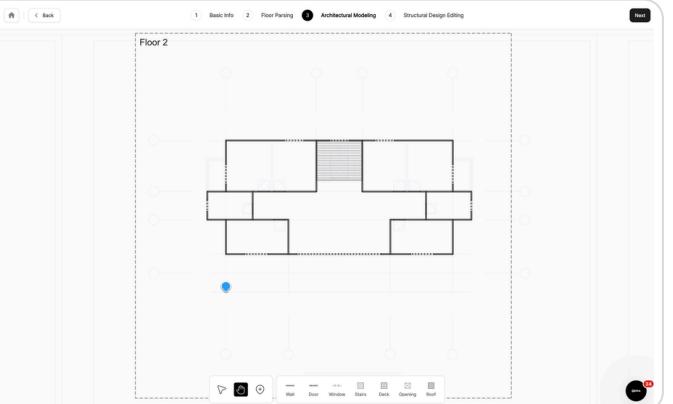


# GENIA STRUCTURAL AI AGENT

STEP-1

## Upload & Parse

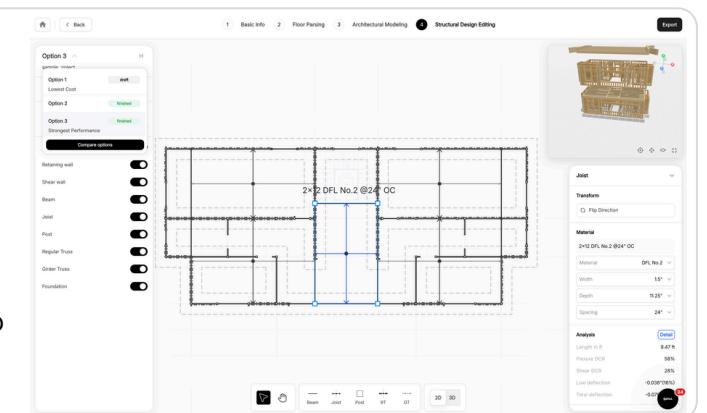
Upload architectural drawings in CAD or BIM formats. Genia's AI automatically identifies architectural elements like walls, windows, doors, openings and stairs. Review and correct any parsing with intuitive editing tools.



STEP-2

## Generate & Analyze

Genia's AI generates 100s structural layout options, each validated through detailed structural calculations following the relevant building codes. Review 3-5 recommendations to achieve the optimal cost-performance balance.



STEP-3

## Edit & Export

Customize design parameters, modify layouts, rerun structural analysis, and export permit-ready structural drawings in CAD or BIM formats with detailed calculation sheets and material take-offs.

