HOT ARCHITECTURE

The Playbook

PREFABRICATION
PROCESS
FRAMEWORK

FOR DEVELOPERS
OCTOBER 2025

HOT ARCHITECTURE

HOT Architecture is a design-build company specializing in the off-site fabrication of contemporary residential buildings. We provide complete prefabricated house models designed for controlled manufacturing, efficient transport, and rapid on-site assembly.

For developers, HOT offers a system: a family of ready-to-produce houses that can be deployed across new developments. Our process shortens build time, reduces uncertainty, and ensures design consistency across multiple units.

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02 APPROACH

Prefabrication allows us to bring architectural precision to residential development. By producing in controlled conditions, we eliminate the inefficiencies of traditional construction : weather delays, variable labor, material waste, while maintaining a high level of design quality.

Our goal is not simply to deliver houses faster, but to deliver them better: built with accuracy, reduced environmental impact, and consistent cost predictability. Each model is conceived as a repeatable unit within a larger system. When multiplied, they form cohesive, high-performance communities. When used individually, they remain complete, timeless pieces of architecture.

The result is an approach that values efficiency without sacrificing character. A design that scales responsibly.

03 PROCESS

031 Inquiry, Alignment & Site Review

Objective: Define the project scope and determine which HOT models best fit the site and program.

Inputs:
+ Site plan and context
+ Target unit mix, density, and budget
+ Timeline and delivery objectives

HOT Responsibilities:
+ Review site and access for prefabrication logistics
+ Identify optimal model types and layouts
+ Establish preliminary production and delivery schedule

Deliverable:
+ Project Alignment Summary and Site Strategy

032 Model Selection & Adaptation

Objective: Choose from HOT's collection of prefabricated house models and adapt them to site conditions or local regulations.

Inputs:
+ Preferred house models
+ Site constraints and orientation
+ Zoning and permitting requirements

HOT Responsibilities:
+ Adjust configurations for local conditions (orientation, foundation, services)
+ Prepare site-specific drawing packages
+ Confirm building code alignment and municipal compliance

Deliverables:
+ Adapted Model Set (site-ready drawings)
+ Compliance Summary

033 Technical Coordination

Objective: Finalize all technical details for production and installation.

HOT Responsibilities:
+ Define connection systems, service locations, and site interfaces
+ Coordinate foundations, utilities, and access routes
+ Prepare full prefabrication package for production

Deliverables:
+ Technical Coordination Package
+ Final quotation and confirmed timeline

034 Production Planning & Quotation

Objective: Establish the manufacturing schedule and logistics.

HOT Responsibilities:
+ Plan production sequence for multiple units
+ Coordinate transport and staging strategy
+ Provide detailed quotation and milestone schedule

Deliverables:
+ Production Plan and Quotation
+ Delivery Schedule

035 Fabrication

Objective: Manufacture units in a controlled environment.

HOT Responsibilities:
+ Fabricate structures with integrated finishes and systems as required
+ Perform quality checks at defined stages
+ Prepare units for transport and installation

Deliverables:
+ Completed prefabricated units ready for shipment
+ Fabrication Quality Summary

036 Site Preparation & Assembly

Objective: Install prefabricated units on site with coordinated precision.

HOT Responsibilities:
+ Manage or subcontract foundation and site preparation (if applicable)
+ Coordinate crane operations and unit placement
+ Oversee assembly, sealing, and service connections

Deliverables:
+ Completed on-site installation
+ Assembly Report

037 Completion & Documentation

Objective: Deliver a finished, verifiable product ready for occupancy.

HOT Responsibilities:
+ Final inspection and performance verification
+ Provide as-built documentation and warranty information
+ Conduct client walkthrough or municipal handover

Deliverables:
+ Handover Package and Maintenance Manual

04 FLEXIBILITY OF ENGAGEMENT

HOT Architecture adapts to each project's context and the needs of its architect.

We can engage in several ways:
+ Consulting Partner: advising during planning phases.
+ Prefabrication Builder: fabricating and assembling the house models.
+ Full General Contractor: managing the entire process, from site preparation to handover.

Each engagement is defined collaboratively to ensure that scope and responsibility are clearly aligned.

05 PREFABRICATION STANDARDS

All fabrication is executed in controlled indoor environments to ensure precision, minimize waste, and improve build quality.

Key principles:
+ Consistent quality control through defined checkpoints.
+ Verified dimensional tolerances between plant and site.
+ Moisture, air, and thermal continuity ensured through layered assemblies.
+ Logistics and handling integrated into design from the outset.
+ Documentation and traceability maintained at every phase.

These standards form the foundation of HOT's reliability, ensuring every project is executed with accuracy and consistency.

06 COMMUNICATION

Coordination occurs before each major design or production phase, with clear documentation of decisions and updates.

Developers are provided with a dedicated contact for scheduling, documentation, and delivery tracking.

Reports are issued at key phases: production start, completion, shipment, and assembly.

Response time for design queries or clarifications to be agreed on before the project starts.

HOT Architecture transforms prefabrication into a predictable, design-driven system.

For developers, this means shorter build cycles, consistent quality, and a product that maintains architectural integrity across every site.

Our objective is simple: to make development faster, cleaner, and more coherent, without losing the character that makes architecture worth building.

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The Playlist