



# Prefab Architecture: A Guide to Modular Design and Construction

*Ryan E. Smith*

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**"*Prefab Architecture* . . . is beyond theory, and beyond most of what we think we know about pods, containers, mods, and joints. This book is more than 'Prefabrication 101.' It is the *Joy of Cooking* writ large for the architecture and construction industries."**

**—From the Foreword by James Timberlake, FAIA**

## **THE DEFINITIVE REFERENCE ON PREFAB ARCHITECTURE FOR ARCHITECTS AND CONSTRUCTION PROFESSIONALS**

Written for architects and related design and construction professionals, *Prefab Architecture* is a guide to off-site construction, presenting the opportunities and challenges associated with designing and building with components, panels, and modules. It presents the drawbacks of building in situ (on-site) and demonstrates why prefabrication is the smarter choice for better integration of products and processes, more efficient delivery, and realizing more value in project life cycles. In addition, *Prefab Architecture* provides:

- A selected history of prefabrication from the Industrial Revolution to current computer numerical control, and a theory of production from integrated processes to lean manufacturing
- Coverage on the tradeoffs of off-site fabrication including scope, schedule, and cost with the associated principles of labor, risk, and quality
- Up-to-date products featuring examples of prefabricated structure, enclosure, service, and interior building systems
- Documentation on the constraints and execution of manufacturing, factory production, transportation, and assembly
- Dozens of recent examples of prefab projects by contemporary architects and fabricators including KieranTimberlake, SHoP Architects, Office dA, Michelle Kaufmann, and many others

In *Prefab Architecture*, the fresh approaches toward creating buildings that accurately convey nature and expanded green building methodologies make this book an important voice for adopting change in a construction industry entrenched in traditions of the past.

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