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The Architecture Shelf

**RESIDENSITY: A Carbon Analysis of Residential Typologies**  
**Adrian Smith + Gordon Gill Architecture**

ORO Editions

31 Commercial Blvd., Suite F, Novato, CA 94949

[www.oroeditions.com](http://www.oroeditions.com)

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<https://www.amazon.com/RESIDENSITY-Carbon-Analysis-Residential-Typologies/dp/1954081391>

Synopsis: With the publication of “RESIDENSITY: A Carbon Analysis of Residential Typologies”, Adrian Smith + Gordon Gill Architecture investigates how much embodied and consumed carbon is used in each typology and how it affects density and open space from the viewpoint of sustainability, carbon emissions, and carbon sequestration.

A superbly organized and presented study that determines which building typology is the most sustainable on a comparative basis. Nine prototypical buildings were designed (Megatall, Supertall, High-Rise, Mid-Rise, Low-rise, Courtyard, Three-Flat, Urban Single-Family, and Suburban Single-Family) set within nine prototypical communities. The informative study designates an archetypal residential community of 2,000 units with an average unit size of 150 sm as a reasonable and representative cross section of different housing typologies.

Critique: Simply stated, “RESIDENSITY: A Carbon Analysis of Residential Typologies” is a seminal and ground breaking study that is an especially and unreservedly recommended addition to personal, professional, college, and university library Contemporary Residential Architecture Studies and Urban Land Use Planning collections and supplemental curriculum studies lists.

Editorial Note: Adrian Smith + Gordon Gill Architecture is dedicated to the design of high-performance, energy-efficient, and sustainable architecture on an international scale. The firm approaches each project, regardless of size or scale, with an understanding that architecture has a unique power to influence civic life. The firm was founded in 2006 by partners Adrian Smith, Gordon Gill and Robert Forest. Today there are 100 employees in offices in Chicago and Beijing.