Education Workforce Housing Workshop

Innovative Housing Solutions to Live Near Work





Design Matters

- Good Design
- ► Massing
- Construction Types
- Parking
- Investment





Good Design - enables community and privacy brings residents joy considers sustainable futures reflects positively on your LEA









What does it mean to create good design?



Good design starts with people.



"I need my students to have freedom."

"I didn't know fresh air could inspire learning."

NICOLE DRESCH, 32, PS1 PLURALISTIC SCHOOL TEACHER

What does it mean to create good design?

PROGRAM





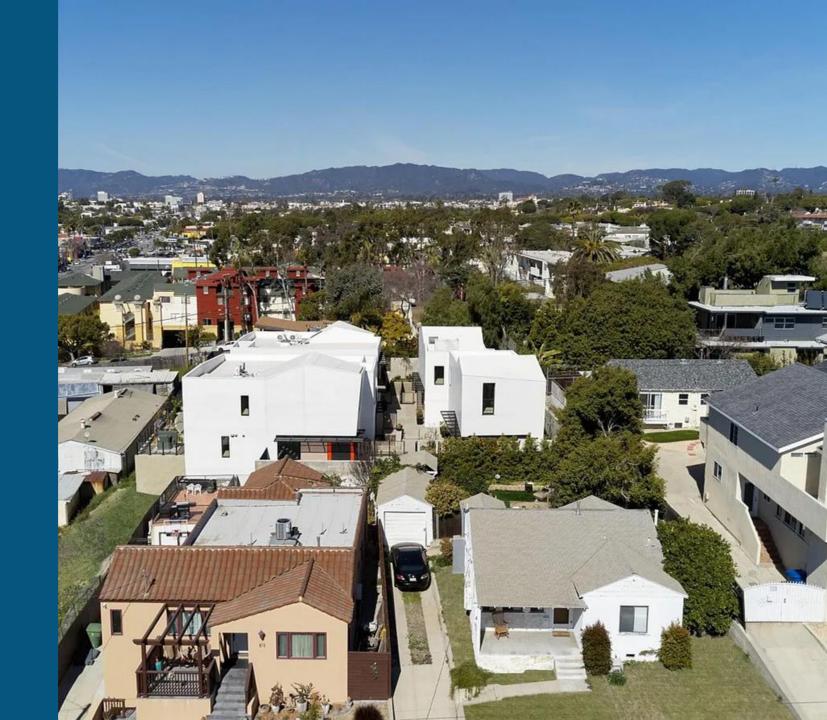
What does it mean to create good design?

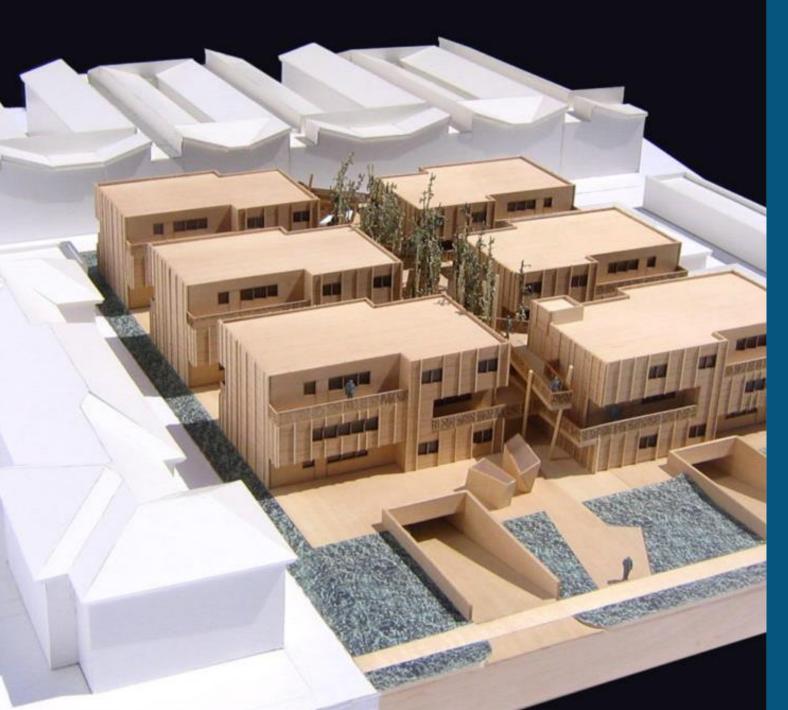






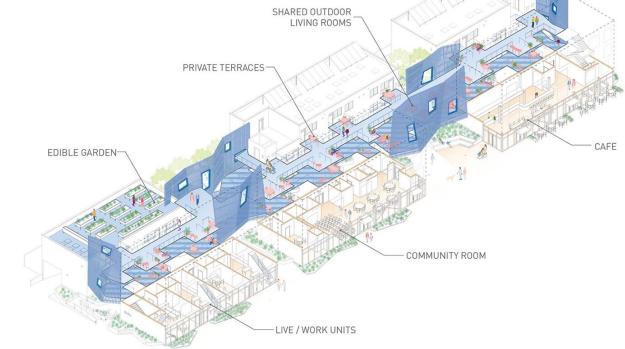
Good design acknowledges its context





and creates a dialogue between new buildings and neighbors





Good design prioritizes sustainability

OUTDOOR LIVING ROOM DIAGRAM



starting with common sense choices

Good design creates shared spaces, indoors and out





these build comunity between residents and neighbors

Good design activates the street





to draw awareness and activity

Good design is attentive to material choice and detailing





from the level of landscape and facades to unit plans and fixtures













The Basics of Good Design

- ► Categories:
 - Program & Form (what people do, where)
 - Building & Site
- Context
- Sustainability
- Shared Space
- Street Life
- Fully resolved details
 - Site plan, unit plans, materials
- Makes everyday life better.



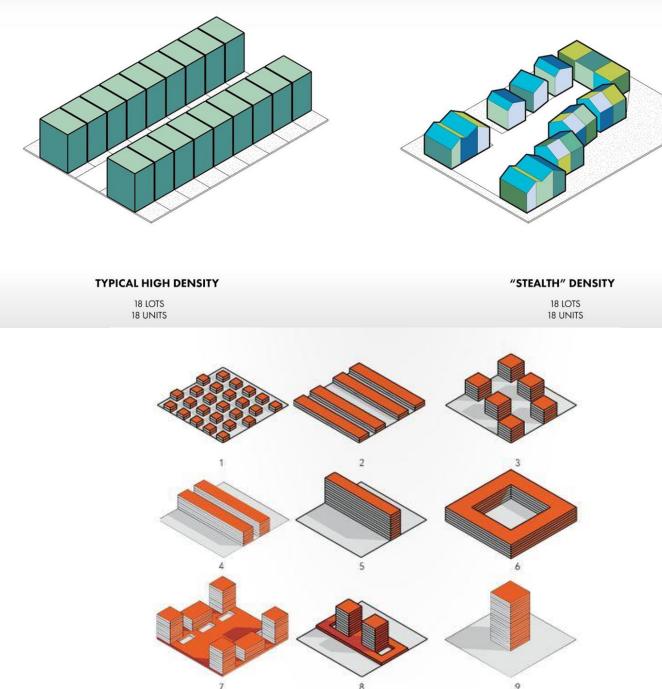
Let's get technical.



Massing indicates the size and form of a building.

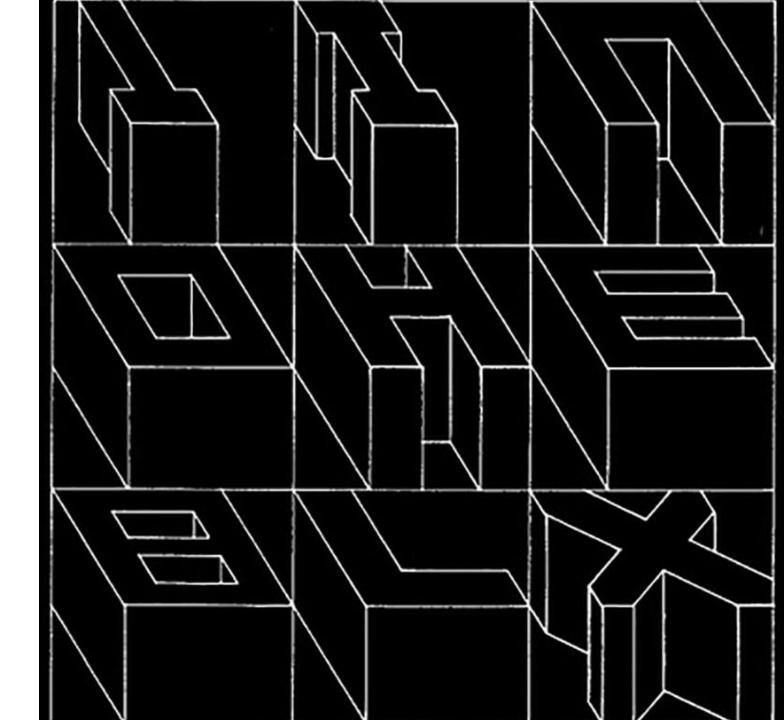


- The basic form of building(s)
- Guided by access to light, air, circulation
- Constrained by height limits, setbacks, FAR, etc.

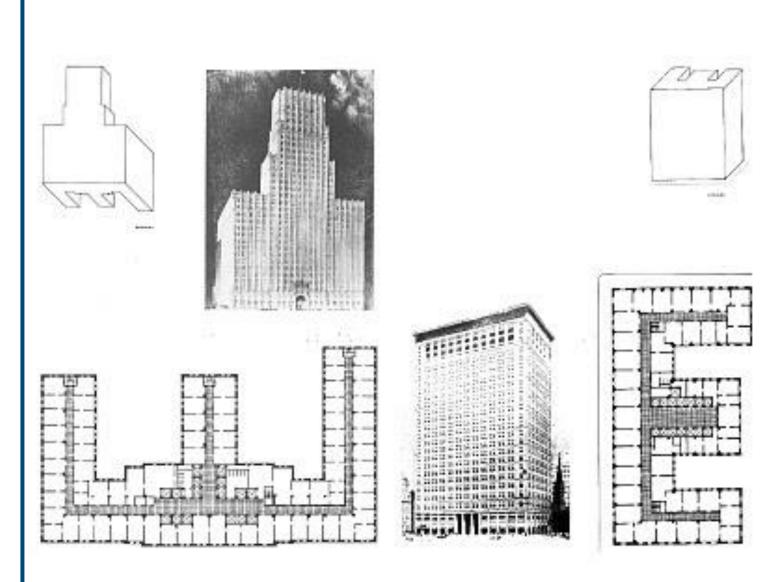


Source: Bestor Architecture; a+t research group

- Guided by access to light, air, circulation
 - "Alphabetical City"



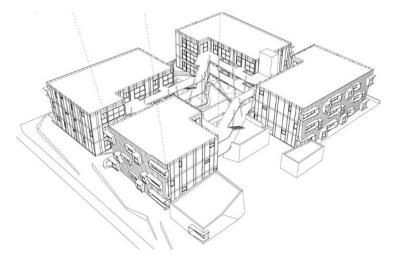
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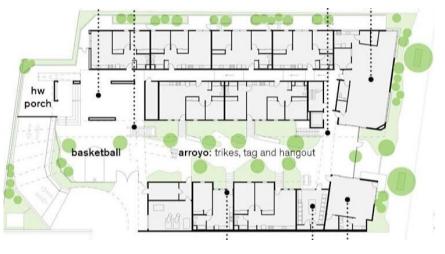


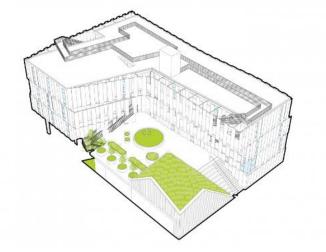




(cracked) "O"

"["



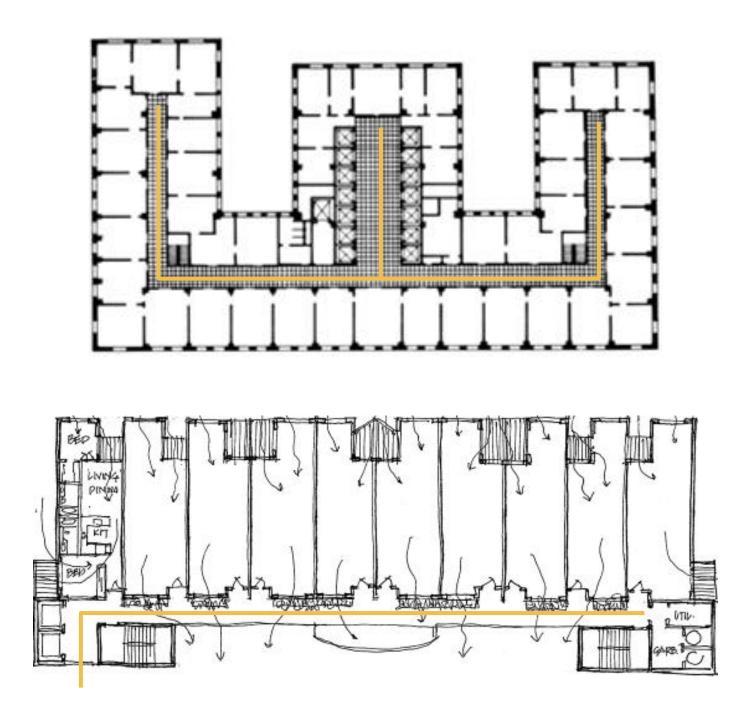


(double) ""

Source: Kevin Daly Architects, Koning Eizenberg Architecture, Lorcan O'Herlihy Architects

Circulation

- Vertical: Core
- Horizontal: Corridor
- Double-loaded corridor
 - Interior circulation
 - Light and air on one side
 - More "efficient" (dense)
- Single-loaded corridor
 - Exterior circulation
 - Light and air on both sides



400 Grove | Fougeron Architecture "d" courtyard | single-loaded | common space circulation

FIRST L

3.

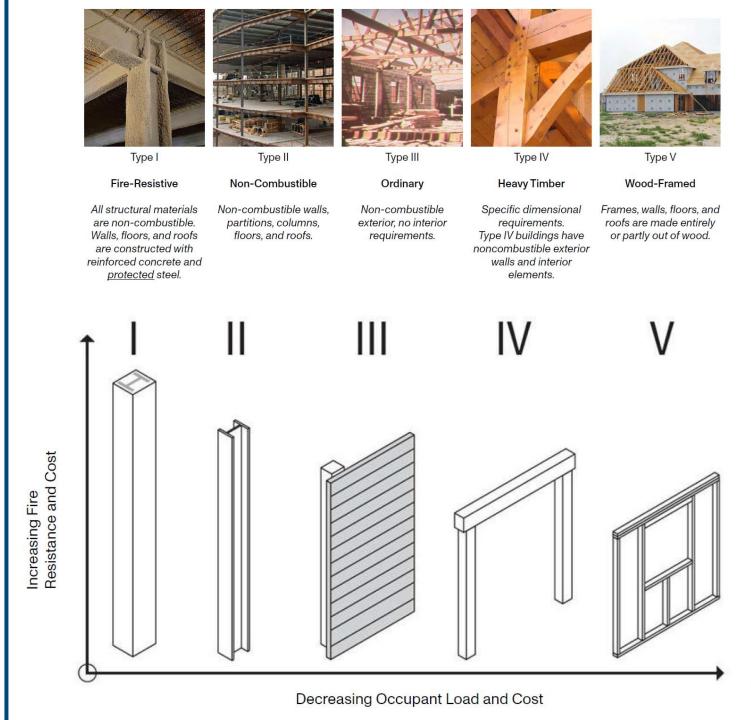
Construction type relates to height and cost.



The Basics of Construction Types

5 main types (I - V)

- designated by fire rating
- most common / least expensive for multifamily:
 - Type V
 - Type III



The Basics of Construction Types

Type V

- wood framing
- ► 3-4 stories
- Least expensive, most common CA construction type

5 over 1

- Type I concrete podium
 - often commercial / parking
- ► 5-6 stories (60')





The Basics of Construction Types

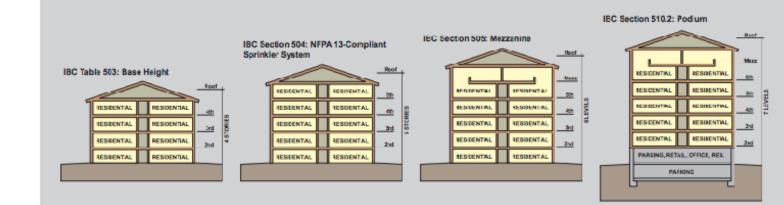
Type III

- treated wood (+)
- max 5 stories

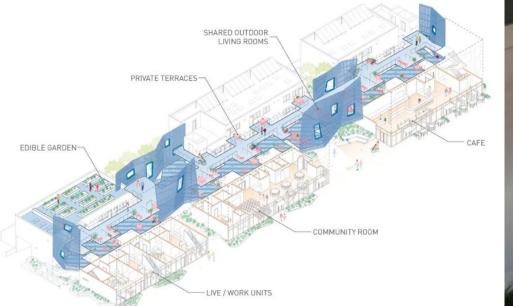
Type III with Podium

- ► Type I concrete podium
 - often commercial / parking
- ► 6-7 stories (85')









Gramercy Apts | Kevin Daly Architects "double I" | type V | common space circulation

What about parking?



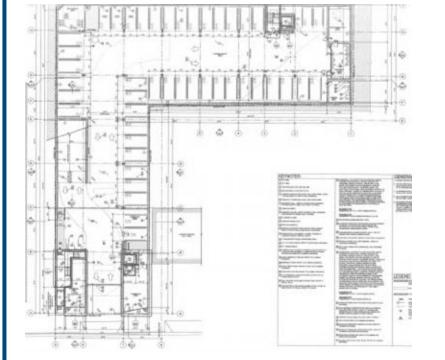
The Basics of Parking

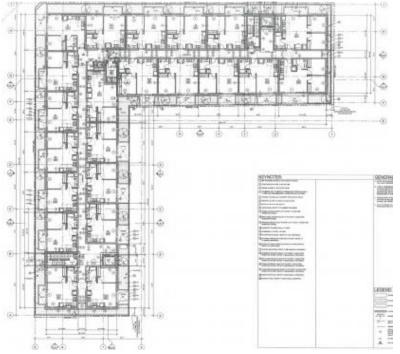
Requirements

Legislation is changing

Layout Considerations:

- ► 350-400 SF / stall
- site conditions
- quality of street experience
- other uses on site
- structural grid
- circulation cores
- budget





The Basics of Parking

- At Grade (covered or open)
 - ▶ \$8-10,000 / stall
- Automated (50% space saving)
 - ▶ \$20-35,000 / stall
- Above Grade Structured
 - \$20-30,000 / stall
- Semi-Subterranean
 - \$25-35,000 / stall
- Subterranean
 - \$30-40,000 / stall

* 2021 estimates



The Basics of Parking

Strategies (beyond surface):

- "wrapping"
- ► podium
- mixing at and below grade
- "future proofing"
- providing alternatives

 (transit, shuttles, scooters,
 bikes, car share and carpool
 programs)
- putting people first



Hancock Lofts | Koning Eizenberg Architecture "L" | commercial ground floor | wrapped parking

Why is good design worth it?

secret: it doesn't need to cost more!





Investing in good design means
investing in your staff
investing in your community
investing in your physical building assets

And improving the quality of your school district



Thank you



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