



IPRO 323 ZERO ENERGY COMMUNIITY

SITE PLANS:



Full Site Plan

FLOOR PLANS



First Floor





Module Site Plan

Site Features -Checkerboard building layout

tion

-Reduced footprint: increased green-space

corridor

-Reduced footprint: Double density

surface

-Shared spaces on site enhance community

Unit Features -Reduced square footage

- -Shared plumbing wall
- -Shared basement
- -Shared infrastructure

Basement Plan

-Passive solar thru shadow elimina-

-Eliminate alley: gain central green

-Shared drives reduce impervious



Second Floor

BUILDING MATERIALS





- LOW VOC PAINT



- RECYCLED COUNTERTOP

FUTURE PLANS:

PROJECT STATEMENT:

This semesters project was to define and develop a net zero energy community. That community was a block of residential duplexes. Next semester will expand on this idea and develop live/work structures on the adjacent block to z the sense of community.

LIVE/WORK DIAGRAM:









- RECYCLED CARPET

- RECYCLED TILES