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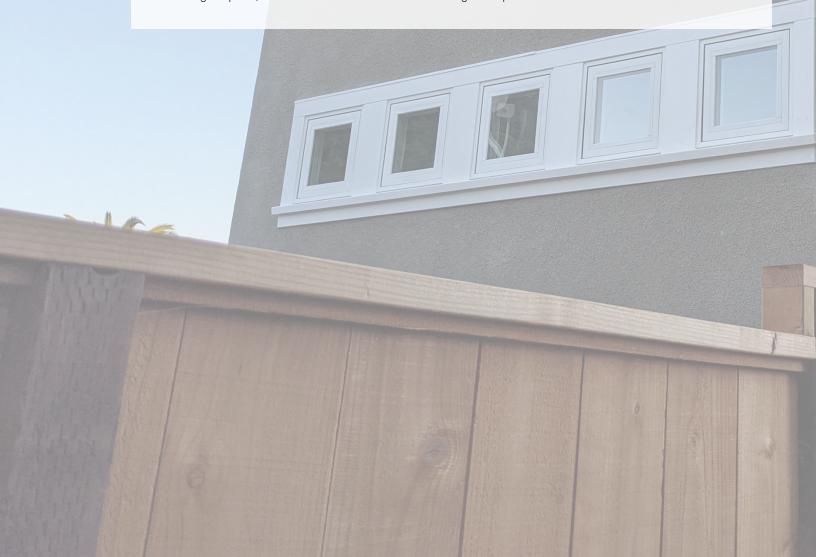
COULSON HOME

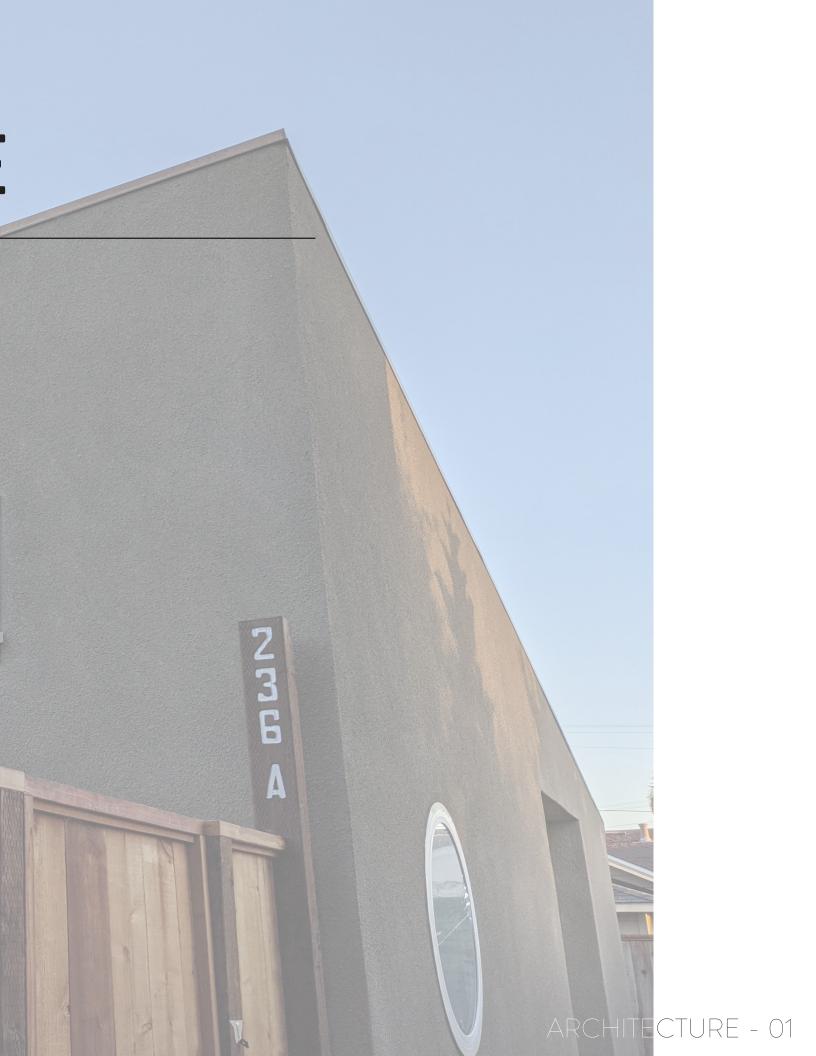
/// 30 DIFFERENT ITERATIONS

TYPE: RESIDENTIAL LOCATION: SANTA CRUZ

YEAR: 2020

ABOUT: Installation of 15' X 30', 450 sf accessory dwelling unit (ADU). No changes to existing residence, garage, or property beyond scope of ADU construction. All mandatory Green Building measures are specified, including satisfaction of the Title 24, Part 6 Energy Code requirements. Major sustainability themes include design "readiness" for Fuel Switch, rainwater catchment system integration, and Zero Net Energy with 34 kWh battery back-up. During construction, the project was planned for Zero Waste (+90% C&D diversion rate), and extensive reuse of high quality construction materials is noted for after project completion. An in-house recycling center and outdoor compost bin are included for project execution. For improved user experience, a whole house chlorine filter will be provided at the site's water supply, and all "paint & paper" materials will be sourced as ultra-low emission/VOC. Employing a coolroof material and designing with operable windows to natural ventilate the dwelling unit, no air-conditioning system is necessary or specified. The project will have finished concrete throughout the unit, and important for those that wish to age in place, the ADU has at least six Universal Design Components identified for construction.

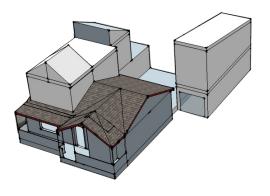


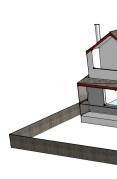


30 DIFFERENT ITERATIONS

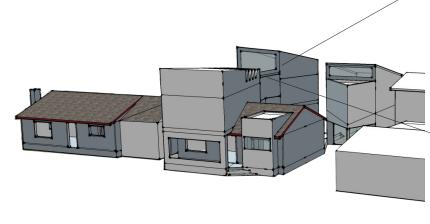
Between November 2011 and project submission to the Building Department, over 30 different designs were test fit on the property to achieve a variety of social and sustainability measures. Shown here are multiple views of the project that provided access to natural light all the while optimizing the roof surfaces to harvest photovoltaic electricity.

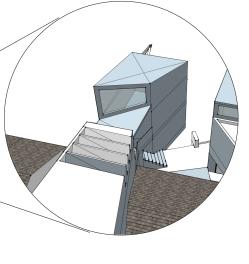




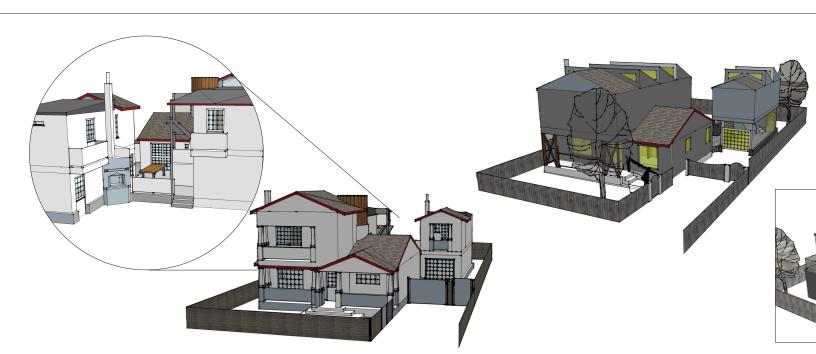


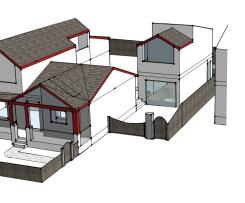
The project took a very major change in design and expectations after finalizing a soils report. After the soils report was received, after client considerations, the building envelope held the project to below 500 GSF.

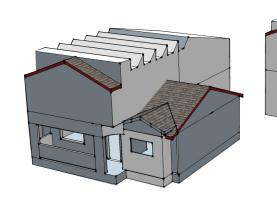


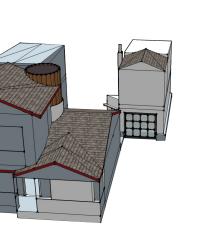




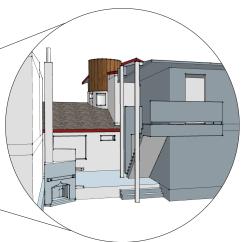


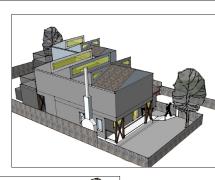


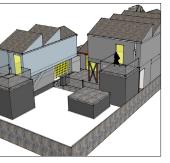


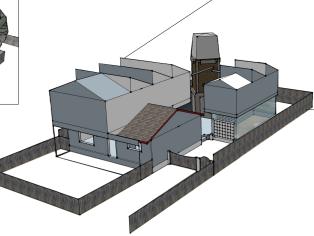












In addition to providing ample array space for 100% onsite energy production, the project iterations show ample cistern water capture (30,000 gallons) capacity to provide potable water all year long, even in low rain year events.

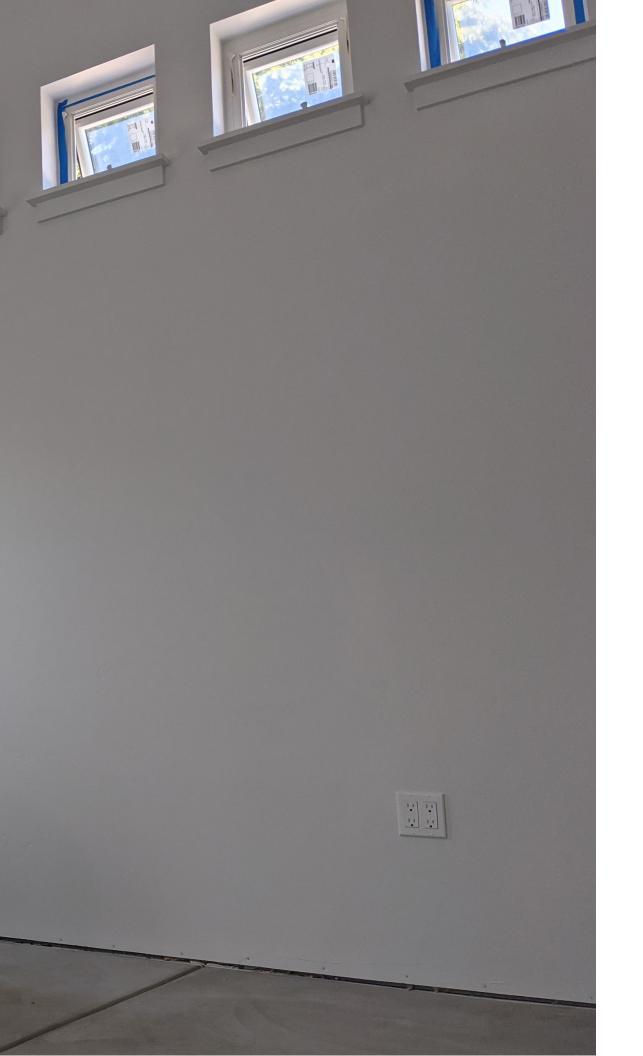




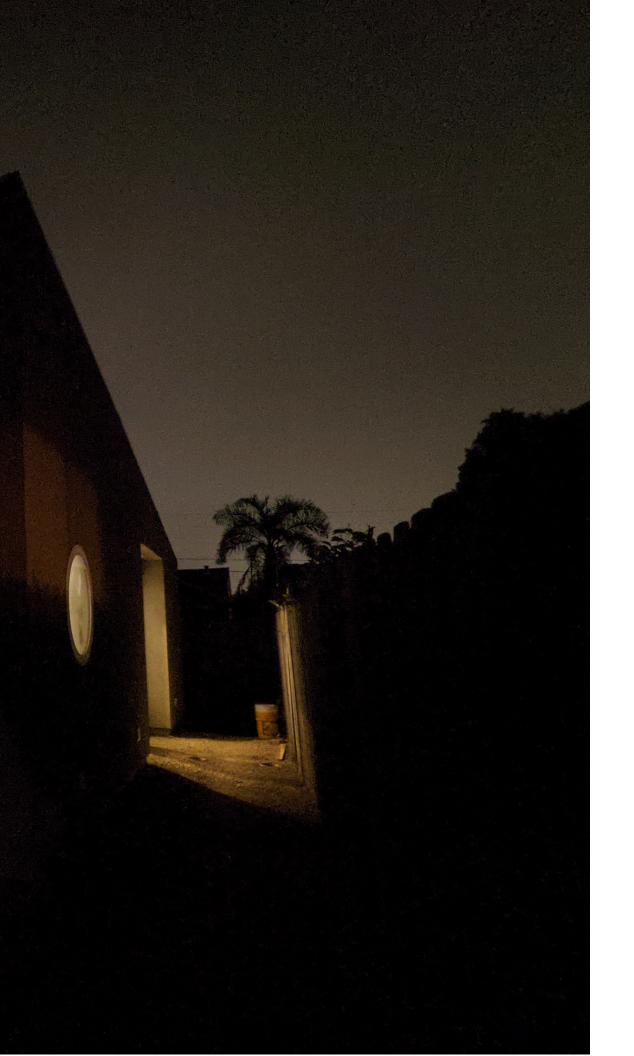


ADU interior just after finished floors and walls; spatially exhibiting the high ceilings of the primary habitable space.











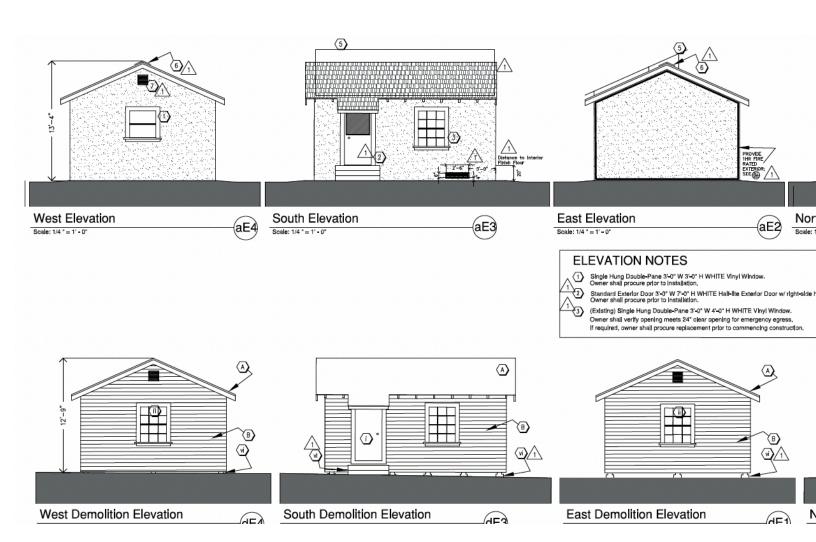
TYPE: ACCESSORY DWELLING UNIT / STRUCTURAL AND SERVICE IMPROVEMENTS

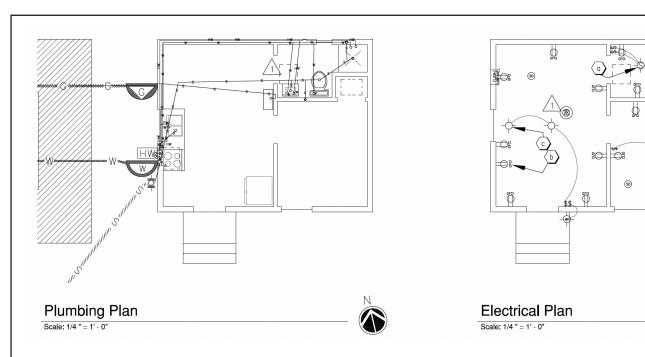
LOCATION: SANTA CRUZ

YEAR: 2017

ABOUT: Upgrade existing accessory dwelling unit (330 GSF) with improved structural foundation, instance of new heating unit, replace wood with stucco exterior, replace west window, replace existing kitchen reincluding plumbing, and re-roof structure with asphalt shingles to match other on-site buildings. No proposed for garage or primary residence. No interior space alterations or additional space is proposed scessory dwelling unit. All mandatory Green Building measures are specified for the project, including the initial to meeting Title 24, Part 6 Energy Code requirements, meetings w/ Green Building officials employment of certified sustainability design staff. Improved construction waste measures have been high efficiency refrigerator, no air conditioning has been specified, durable roofing shall be provided, and renewable flooring materials shall be installed. Finally, a permanent clothes line shall be installed in yard of the unit.



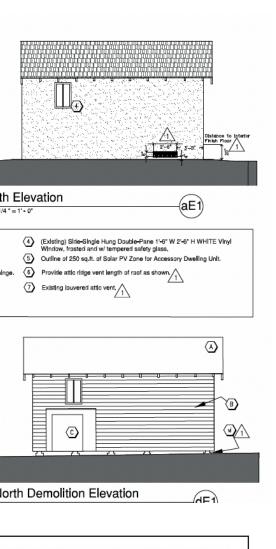


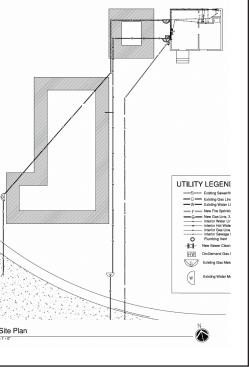


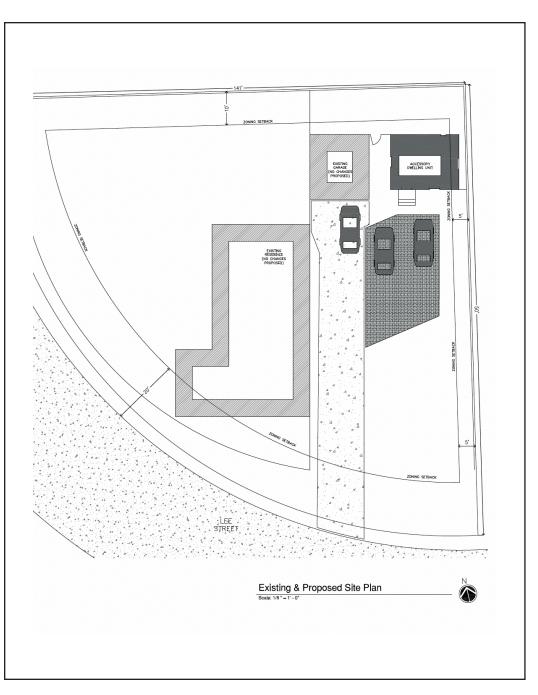
£0

EO

Utility
Scale: 1/8*







Perhaps a perfect example of affordable housing for Santa Cruz County. This small structure meets California Building Code requirements, but still has a very small footprint that can be provided as a supplement on-site with a single family home. Ample space for privacy, parking, and independent living, this ADU is affordable, healthy, and an important part of Santa Cruz's urban environment.

GRANDPARENTS' C

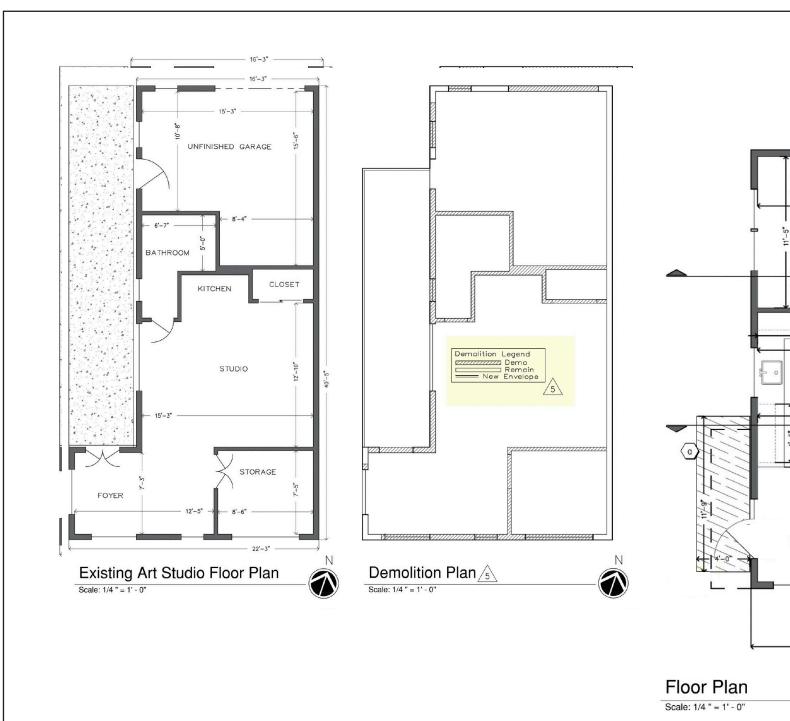


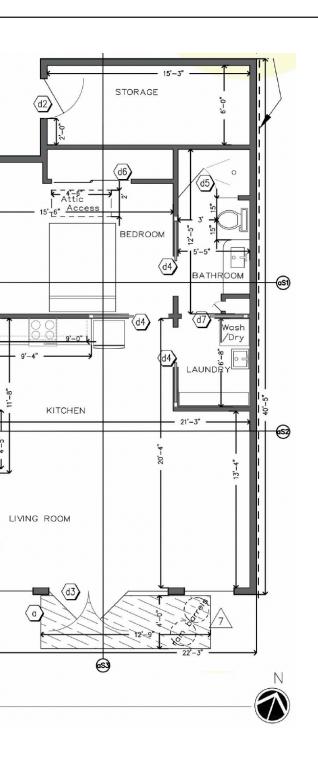
HOUSE RENOVATION **LOCATION:** SANTA CRUZ

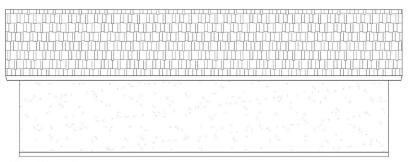
YEAR: 2021

ABOUT: Conversion of garage/art studio accessory building into a dwelling unit. Renovate floor plan and add 150 SF to provide a one-bedroom living unit. No work to be performed on primary residence. All mandatory Green Building measures are specified, including satisfaction of the Title 24, Part 6 Energy Code requirements. Owner-builder proposed that all major appliances be high energy efficiency performance, all windows meet or exceed Title 24 requirements, and a combination of natural daylight and high efficiency light sources illuminate this compact residential conversion.



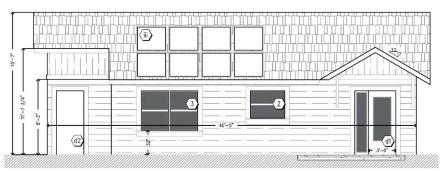




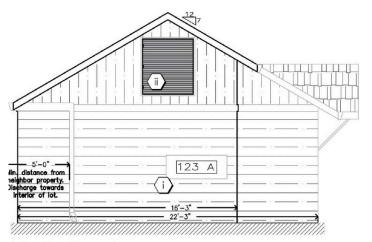


East Elevation

Scale: 1/4 " = 1' - 0"

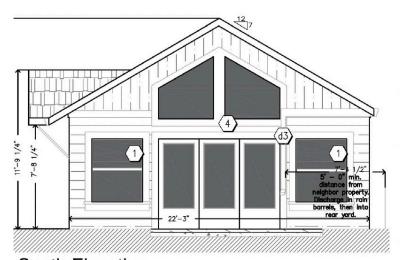


West Elevation



North Elevation

Scale: 1/4 " = 1' - 0"



South Elevation

Scale: 1/4 " = 1' - 0"

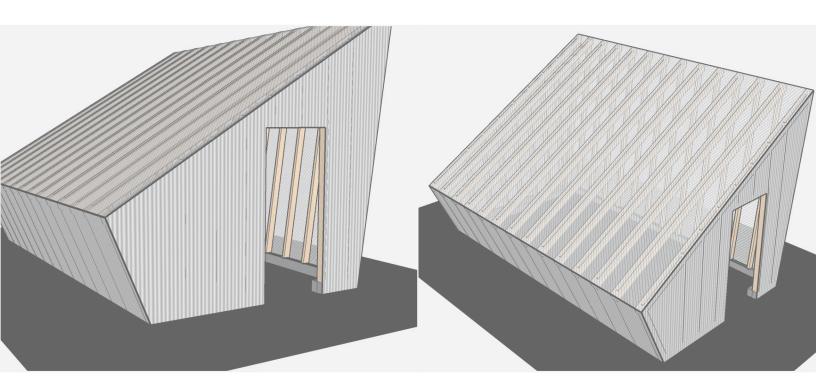
LYNCH GREENHOU

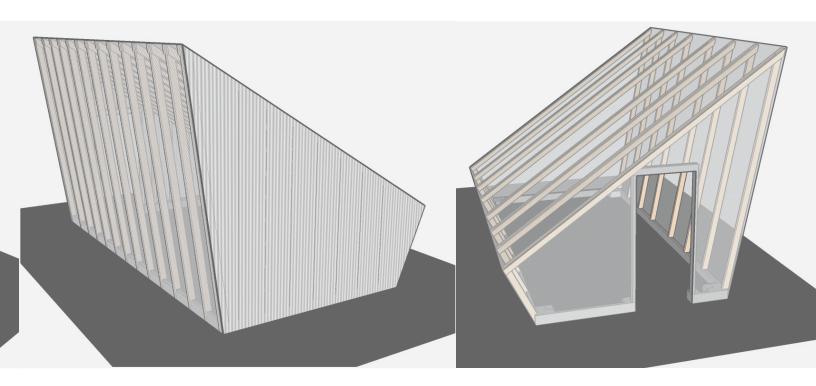
TYPE: ACCESSORY BUILDING / RESOURCE-COLLECTING GREENHOUSE

LOCATION: SACRAMENTO

YEAR: 2007 ABOUT:

Designed to be built from off the shelf materials in a single weekend, the Lynch Greenhouse was a explored for a dear friend's Filipino mother on the north side of Sacramento. Mrs. Lynch was an extremely successful gardener, with only small foot-paths of open space between vines, fruit trees, and seasonal fruits and vegetable with which she cooked traditional foods. Project was never built as Mrs. Lynch moved back to the Philippines before construction could begin.

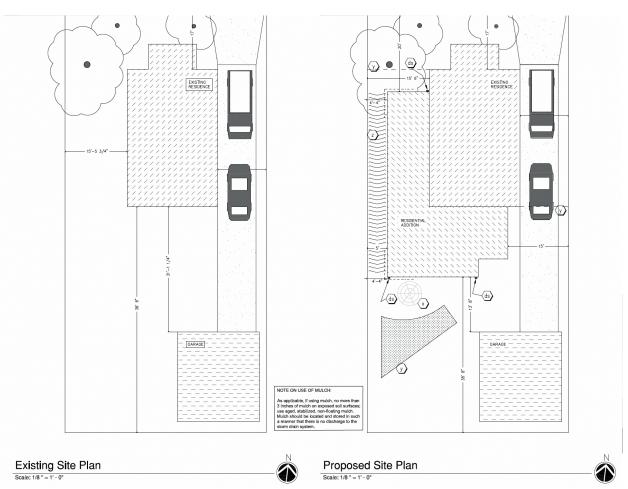


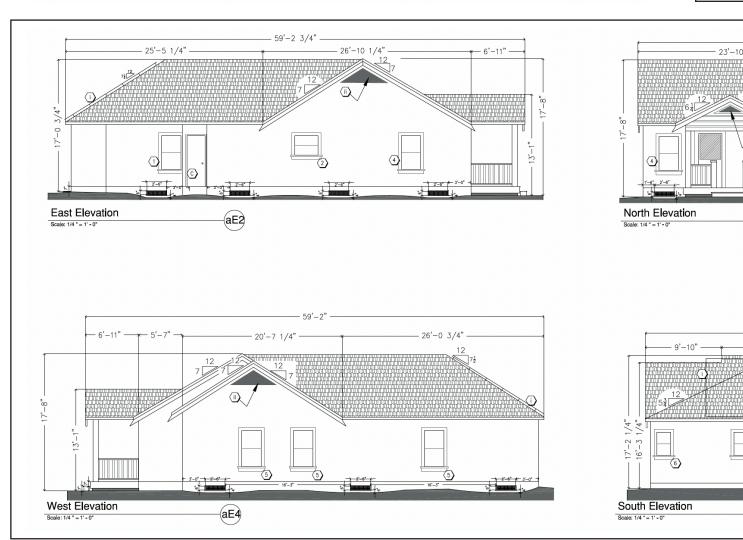


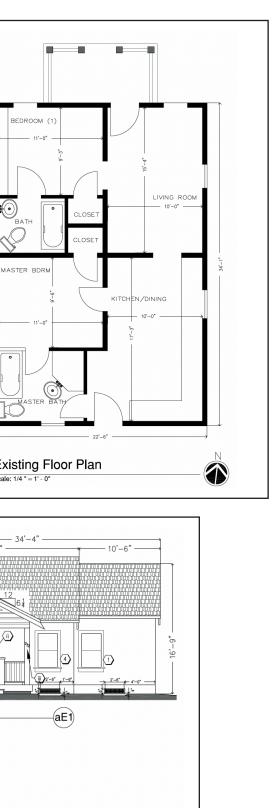
A series of perspectives on the simple, yet striking garden accessory building form.



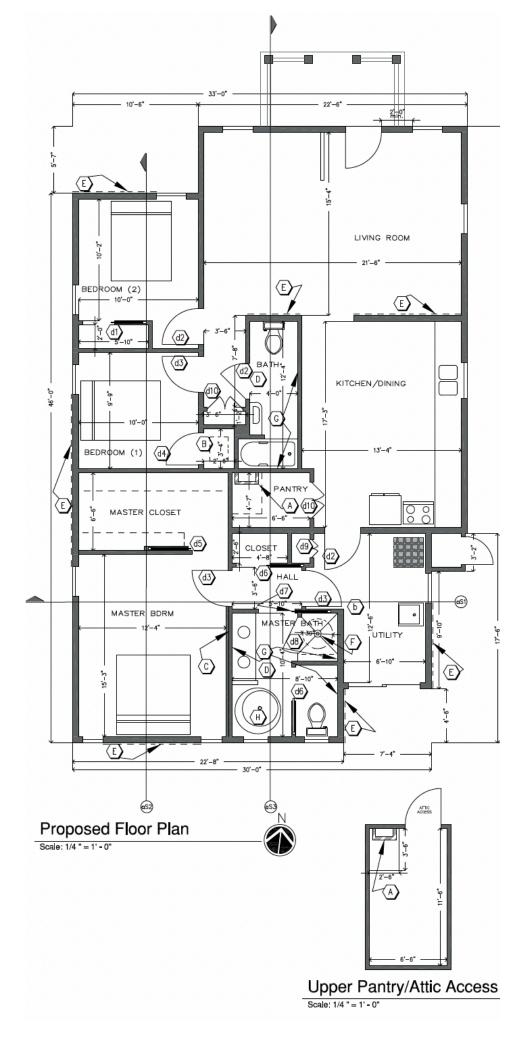








aE3



SOQUEL RENOVAT

TYPE: ACCESSORY DWELLING UNIT

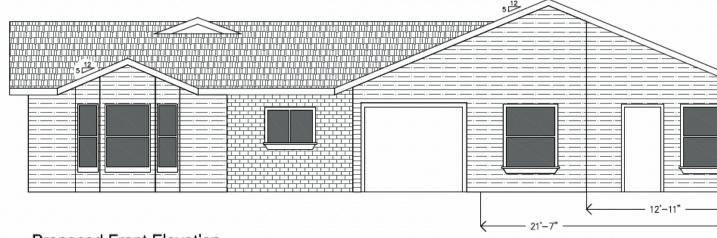
LOCATION: SANTA CRUZ

YEAR: 2021

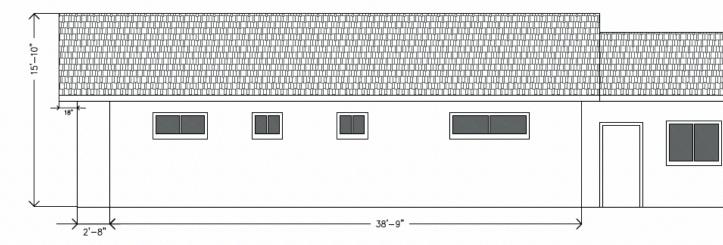
ABOUT: Renovate half of a two-car garage with a major renovation to build a 645 GSF accessory dwelling unit for retired parents to age-in-place alongside their daughter and her rambunctious family. Project invested heavily in universal access principles to assure that the grandparents could feel confident they were safe, secure, and empowered in their grey years.





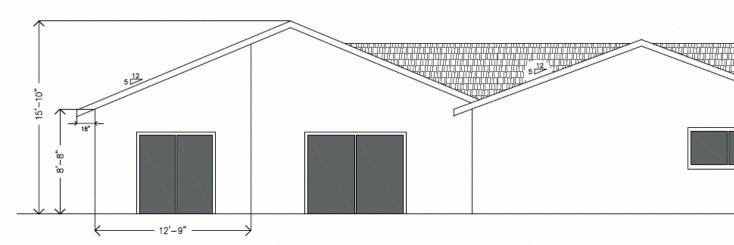


Proposed Front Elevation

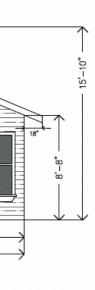


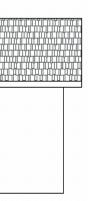
Proposed Side Elevation

Scale: 1/4 " = 1' - 0"

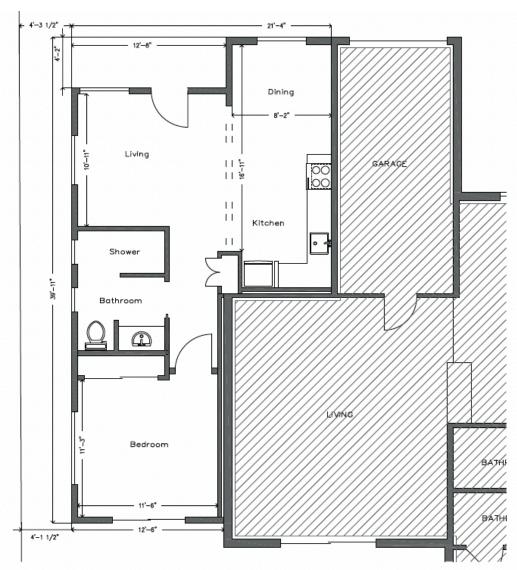


Proposed Rear Elevation

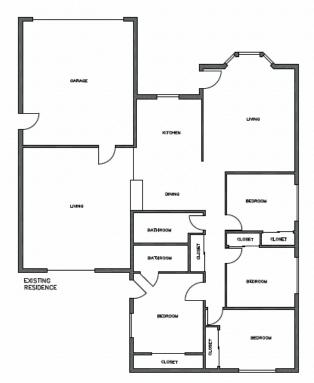




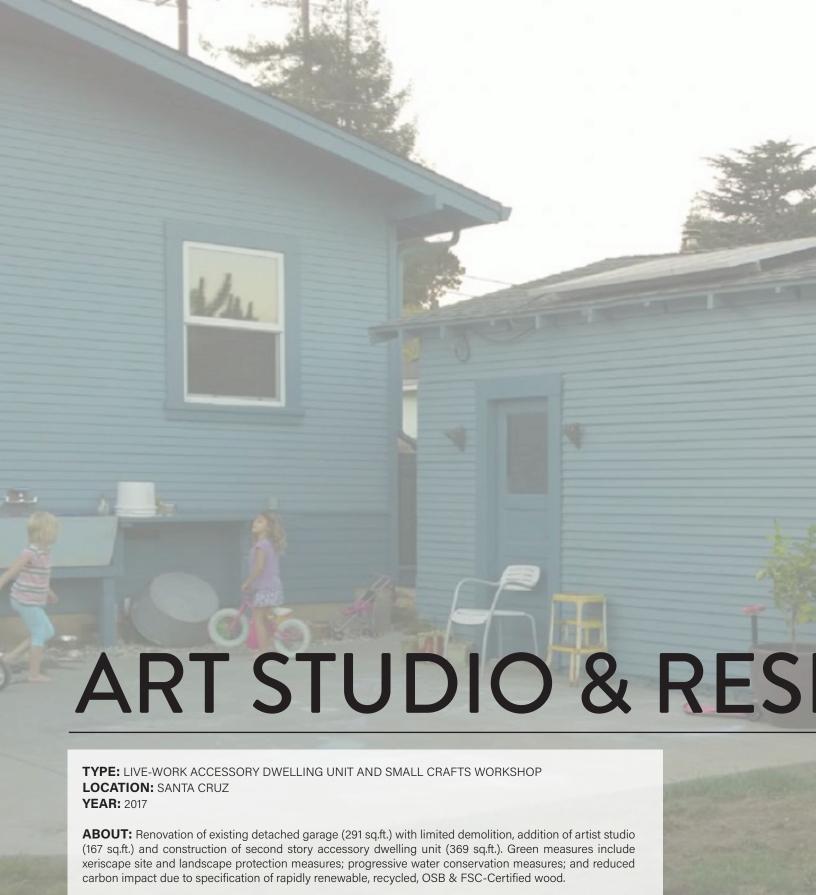




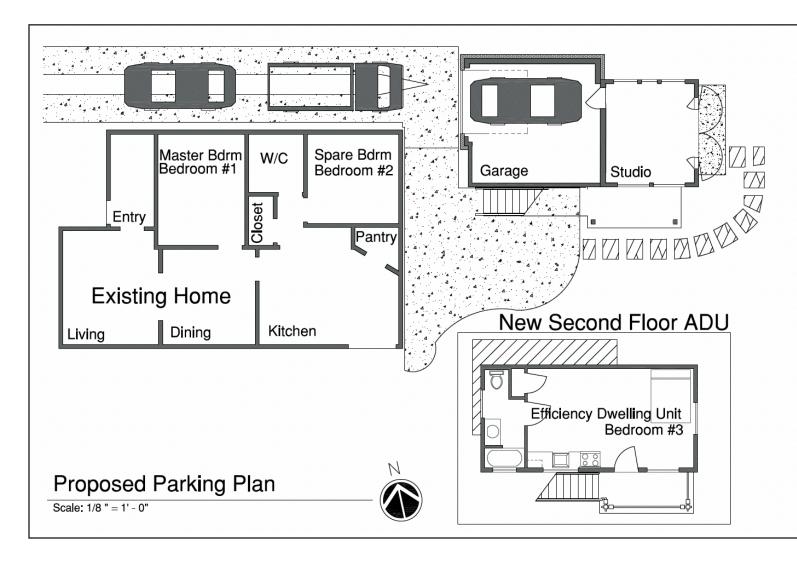
Proposed ADU Floorplan Scale: 1/4 " = 1' - 0"

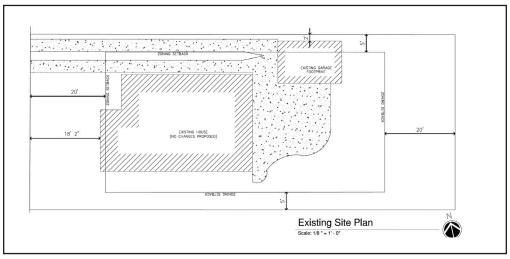


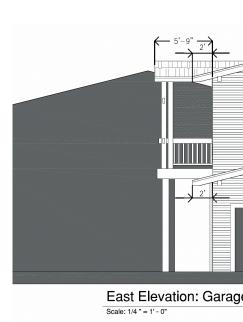
Existing Residence Floorplan

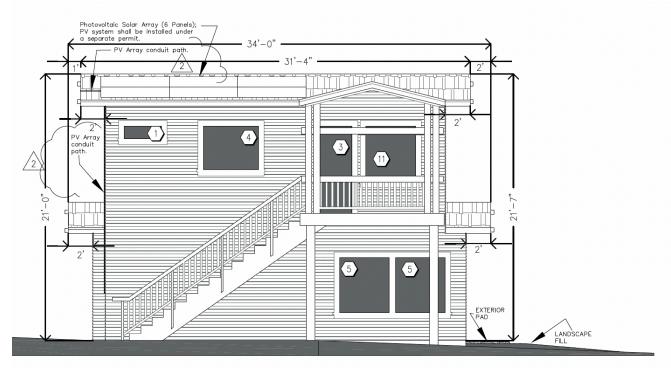








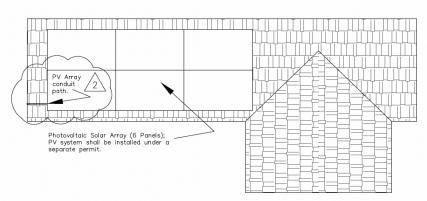




South Elevation: Garage, Studio & ADU

Scale: 1/4 " = 1' - 0"

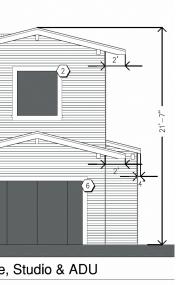


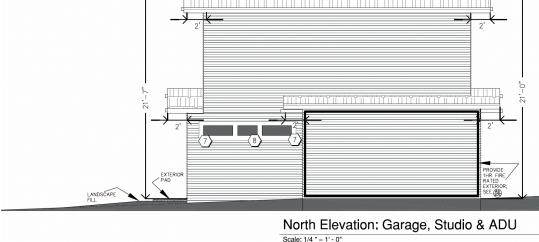


South Face Roof Plan w/ PV Array

Scale: 1/4 " = 1' - 0"







Scale: 1/4 " = 1' - 0"

SKYPORT

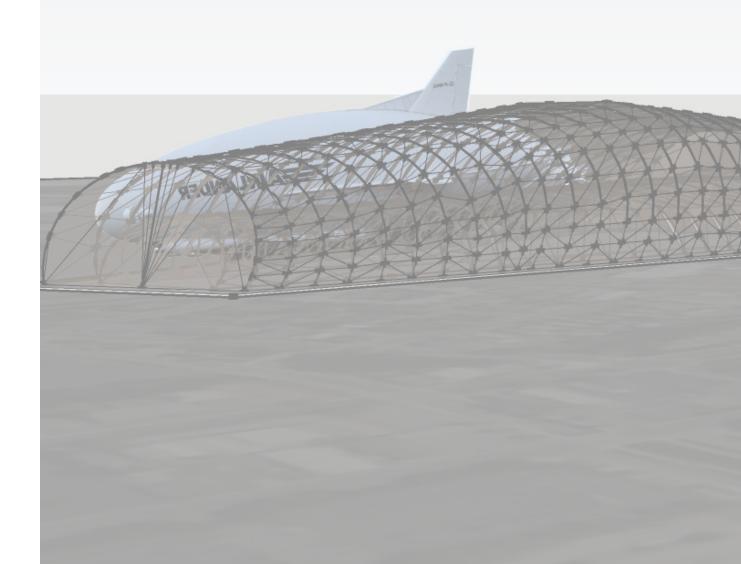
/// A NEW EIFFEL TOWER, SAN JOSE

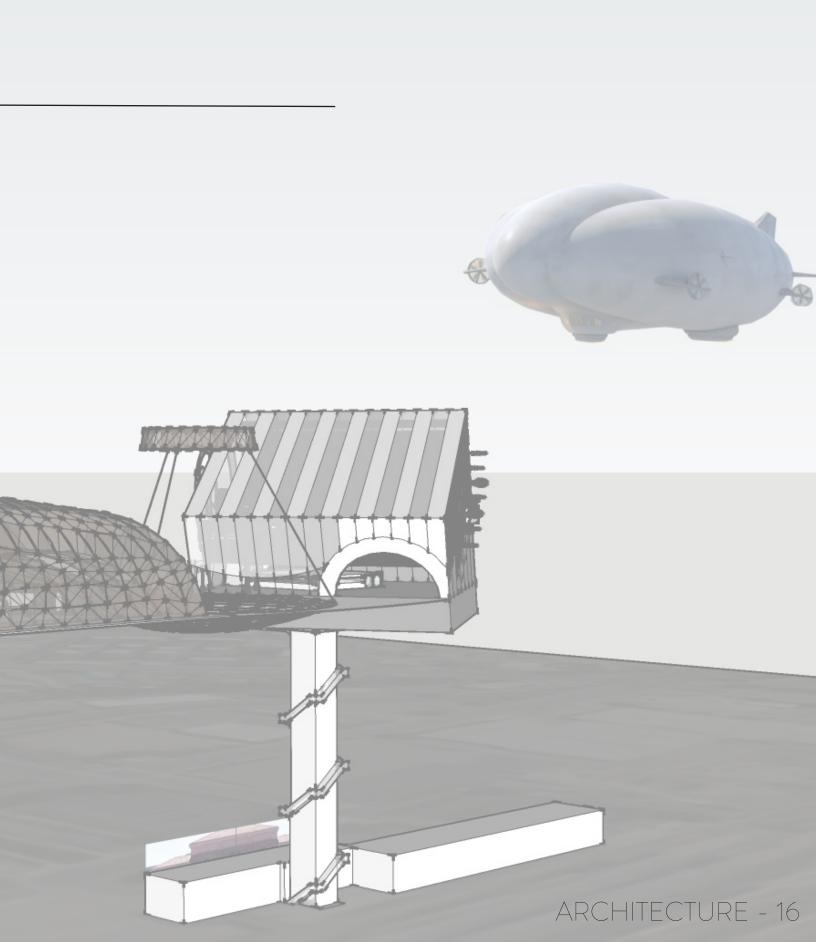
TYPE: DESIGN COMPETITION LOCATION: SAN JOSE

YEAR: 2020

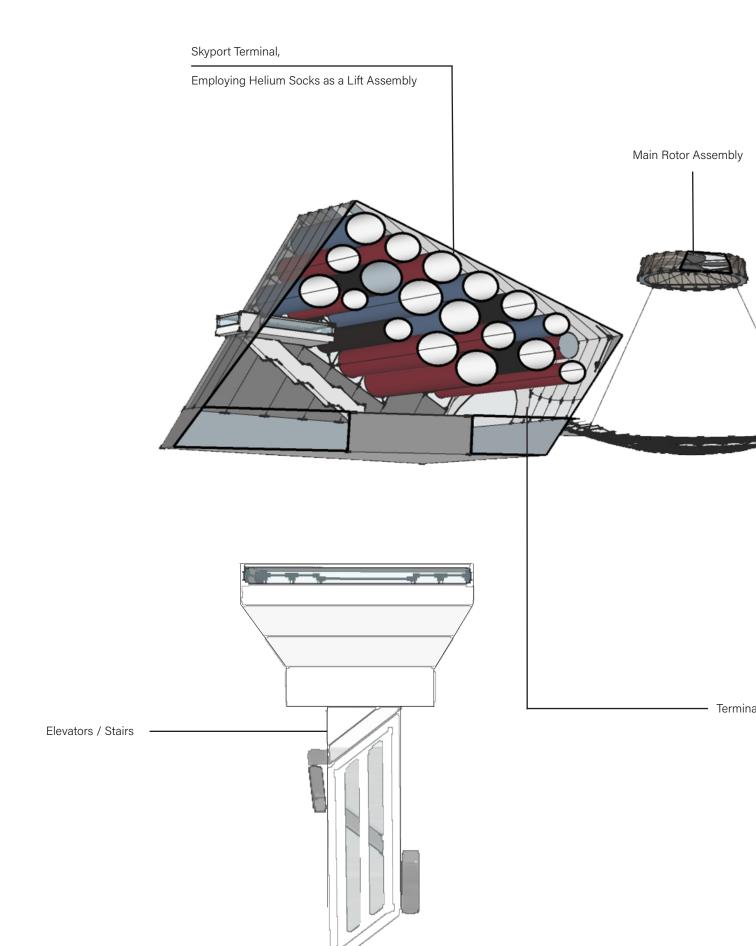
ABOUT: Design competition titled the "Urban Confluence Silicon Valley", the organization envisions an impressive symbolic structure appropriate for this unique region that is recognized as the world-wide center of innovation. This bold destination landmark will provide a major enhancement to downtown San Jose, and be an important catalyst for Silicon Valley culture and long-term regional economic development. With prestigious allure, the internationally respected icon will offer a must-see place of hope, healing, and human connection – creating a compelling world-class experience for tourists and the local community.

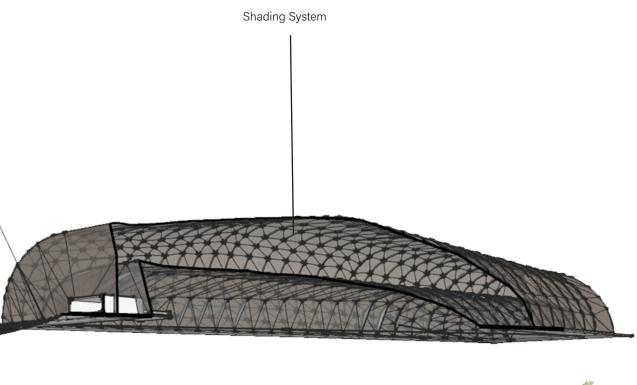
Project submission drew upon the Silicon Valley's major technological, transportation, and strangeness that only San Jose locals can appreciate. These include the Hangar One at Moffett Field that once ported local dirigibles, the Stanford dish, major CIA satellite assemblies, and the hope for contemporary transportation lines coming into downtown San Jose.





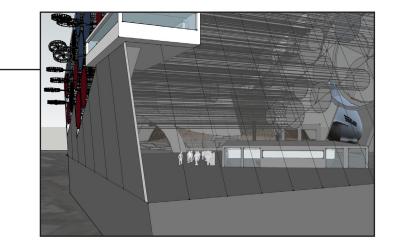
SECTIONAL

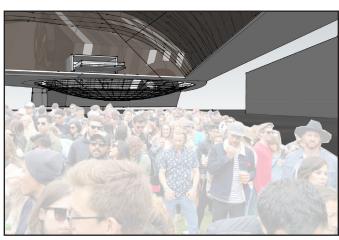






Project proposes a major double-shelled floating structure that, when docked over the Arena Green provides a major shade device for park users. This shade would be especially beneficial in the hot summer months, potentially useful as a cooling center as temperature rise with climate change. A winged propeller is used to navigate and stabilize the massive floating platform.





COMMUNITY

ENGAGEMENT

Grant Park Neighbors (pp. 19-22)

Too Much Architecture (p. 23)











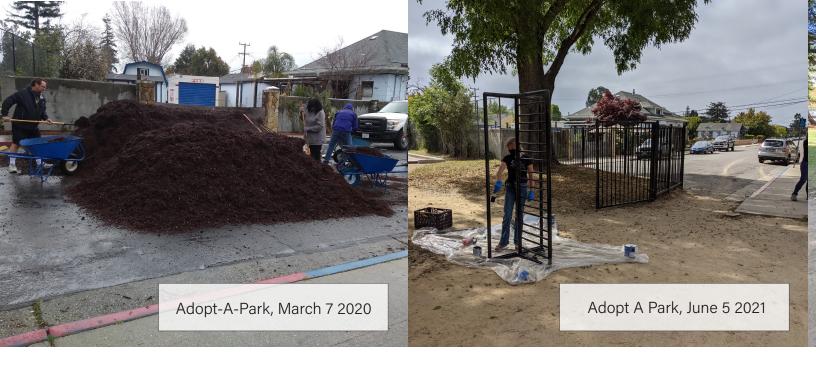






After a few years, our group reports the park is beginning to thrive. As we advocate for security, clean up, and improved operations; the neighbors, City, and County have responded with direct support to achieve our key accomplishments:

- Pump Track donated by Intl. Rotary Club
- Adopt-a-Park partnership with City
- Park Picnics
- Crisis Intervention Training
- Visioning Workshop
- Downtown Streets Team, County supported
- Quarterly Health Services Agency meetings
- "Brew Cruz" Fundraiser
- Bi-weekly neighbors meetings held in Grant Park

















GRANTPARKNEIGHBORS.ORG

Grant Park Neighbors

MERCH SALE!

- MEN SHIRTS \$22 AVAILABLE IN: S, M, L, XL, XXL
- WOMENS SHIRTS...... \$22 AVAILABLE IN: S, M, L, XL

accepting cash + venmo @grantparkneighbors

FOOD TRUCK EVENT FRIDAY AUGUST 6, 2021 5:00 - 8:00PM

O GRANT_PARK_NEIGHBORS

f GRANTPARKNEIGHBORS















/// TOO MUCH ARCHITECTURE

TYPE: WEB EPISODE SERIES LOCATION: SANTA CRUZ

YEAR: 2015

ABOUT: Too Much Architecture! is a weekly web series of built projects, design-rich popular movies and architecture books to inform and challenge a passionate audience who can never have TMA!



EPISODE 1: Frank Lloyd Wright: The American Architect

This is the premiere episode of TMA!'s first season which features The American Architect: Frank Lloyd Wright (FLW for short). With an examination of two of FLW's San Francisco Bay Area projects, Brad points out both the regular flaws and striking beauty of this design hero's work in architectural expression.



EPISODE 2: Movie Review: Gattaca (1997)

In our second episode of TMA!'s first season, Patrick and Brad undertake our first movie review of the film Gattaca (1997). This film was selected due to its enhanced used of monumental architecture in the visual narrative of the film. The movie employs the Marin County Civic Center, a building featured in Episode 1.



EPISODE 3: Movie Review: The Fountainhead (1949)

In our third episode of TMA!'s first season, Patrick and Brad discuss with professional integrity their second movie review: Ayn Rand's The Fountainhead (1949). This film was selected due to its unique subject of an architect pressing for a Modern future in a pre-modern world. Love, pain and failure are no barrier to Howard Roark's eventual success in this 22 minute cinematic discussion.



EPISODE 4: Lebbo Design Hero

In our fourth epfirst season, we fe American architect In review of Wood' and design subject why he both enjoys the critical view of artist.





sisode of TMA!'s ature a polarizing to Lebbeus Woods. It is aesthetic origins to the Brad points out and is inspired by this monumental



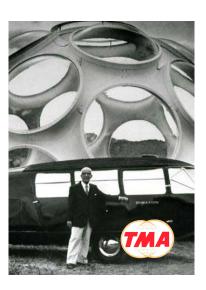
EPISODE 5: Movie Review: Twelve Monkeys (1995)

The most telling movie of Lebbeus Woods work is discussed in this fifth episode of TMA!'s first season. Time travel and copyright infringement are the two central theme's of Patrick & Brad's movie review of Twelve Monkeys (1995).



EPISODE 6: Book Review: ANARCHITECTURE by Lebbeus Woods (1992)

In our sixth episode of TMA!'s first season, Brad gives the series' first book review of ANARCHITECTURE: Architecture is a Political Act (1992). This book was selected to complete our critical discussion of Woods impact and influence on the design trade.



EPISODE 7: Norman Foster: London's Design Boss

For episode seven, Norman Foster's work in London and Hong Kong are reviewed, diving deep into an unspoken yet overriding ethic in his expressive view of architecture.

URBAN

DESIGN

Smart Dumpster (pp. 25-26)

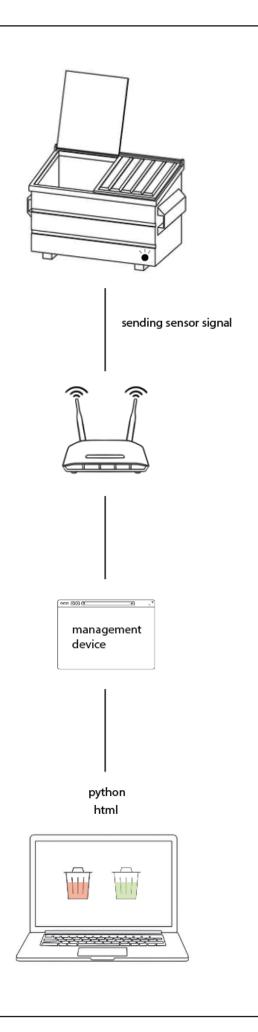
Recycle Yard (pp. 27-29)

Sustainability Master Plan (pp. 30-31)

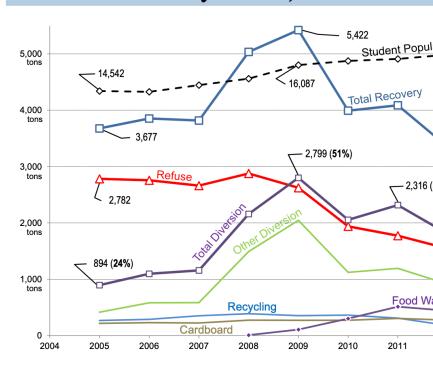
Minor Architecture (pp. 32-39)







Resource Recovery Trends, UCSC



Campus operators used resource recovery records to track the different diversi in contrast to the refuse stream headed for landfill. This information was measu the growing campus student population to illustrate how recycling efforts were to bring the campus closer to zero waste.

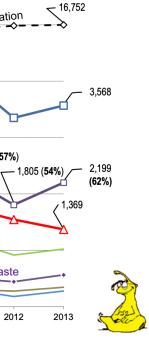






installed sensor

Error Rates and a Practice in Accuracy



90% 80% 70% 60% 50% Cardboard 40% 30% 20% 10% 0% -10% 🚅 -20% 🔖 -30% Refuse -40% -50% -60% -70% -80% -90% -100%

With the goal to reach a \pm /- 5% error rate, load tags from commercial scales were used to compare to per load readings from the on-board front-load dumpster scale. Over time from November 2012 until May 2013, the error rates were dramatically reduced; this was especially true of the refuse dumpster truck that was used more often on a daily basis. By the time the system was deployed as a weight-based billing system, the fork scales were within the 5% threshold of accuracy.

on-fork scales

on streams

red against

succeeding





scale processor



on-board meter



Over time, iterations of on-board front-load dumpster scales were deployed on the campus. In the final iteration, a mapping system was developed to double-check the weight, volume, and frequency of dumpster services. These redundant systems reduced the error rates, and ultimately, provided a more transparent weight-based resource recovery system that naturally produced a bias towards zero waste operations on campus.





In March of 2013, UC Santa Cruz was gifted a sizable sum to deconstruct and appropriately reconstruct a historic hay barn that is prominent at the university's entrance. At the time of the gift, campus refuse and recycling operations employed the historic barn site to store and manage recyclable materials, a use that would no longer be feasible within months of the donation. Realizing the difficulties involved with operational displacement, campus planners apportioned a fraction of the total donation to investigate, design and permit a new recycle yard that had the potential empower operators to meet arduous Zero Waste sustainability goals set for the campus. That is, UC Santa Cruz is required to meet 95% diversion rates by the year 2020 in order to reach its campus obligations in the UC System.

With only seven years remaining to reach Zero Waste, operators have found the campus must aggressively divert organic materials from the existing refuse stream. Now offered an opportunity to plan a new recycle yard for diversion activities, operational leadership focused directlyon the critical path for Zero Waste attainment; that is, a robust greenwaste, food waste and post-consumer organics composting facility. After realizing that composting was the key and funding was provided to plan for 95% diversion, campus agents were faced with the more difficult problem of discovering how to best compost all the campus materials.

With a multitude of available compost management combinations, operation planners at UC Santa Cruz simultaneously undertook a parallel planning process reviewing the problem from two vantage points. First, an outside design consulting team was hired to investigate and publish a "Consolidated Material Recovery Facility and Compost Feasibility Study." Second, an internal economic study was conducted by the refuse and recycling administration team, a report titled the "Alternatives Analysis for Resource Recovery Operations" that included a Proforma-based economic study titled the "Zero Waste Income, Expense & Capital Expenditure Analysis." As was discovered by both teams, the issues of total composting as necessary for UC Santa Cruz featured a dizzying array of composting options, financing possibilities, and eventual recycle yard design impacts.



CASFS RANCH V

Section A-A - Org

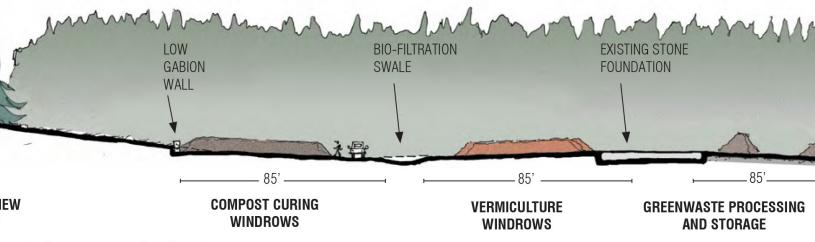


FENCELINE

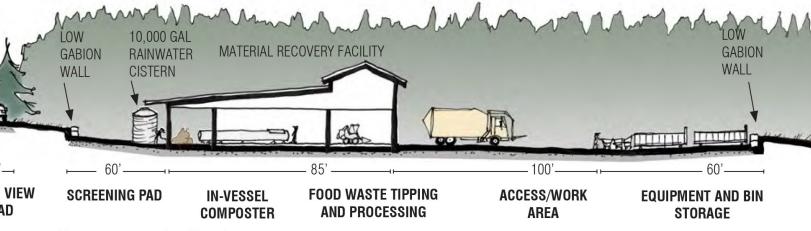
Section B-B - Re

RO.

After a year of intensive study, both the consulting team and the internal analysis led to a mutual design solution the feedstock, budget and labor allowances on campus. At a minimum, an in-vessel aerobic composting appara was found necessary, sized appropriate to the campus feedstock expected for 95% diversion. Although both tea came to a mutual solution, navigating conflicting campus expectations, issues of operational capacity, and fundamental question as to campus self-management versus the employment of off-campus vendors to manathe campus's diversion painted a dramatic narrative that speaks to the difficulty faced in every waste-progress community to meet its own vision of sustainable living. This work led our team to win the 2014 Best Management Practices Award in Zero Waste, presented at the California Higher Education Sustainability Conference.



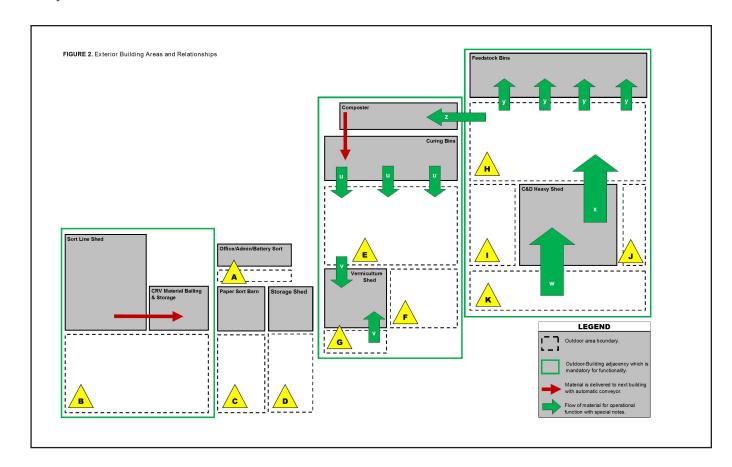
ganic Systems on the Bowl.

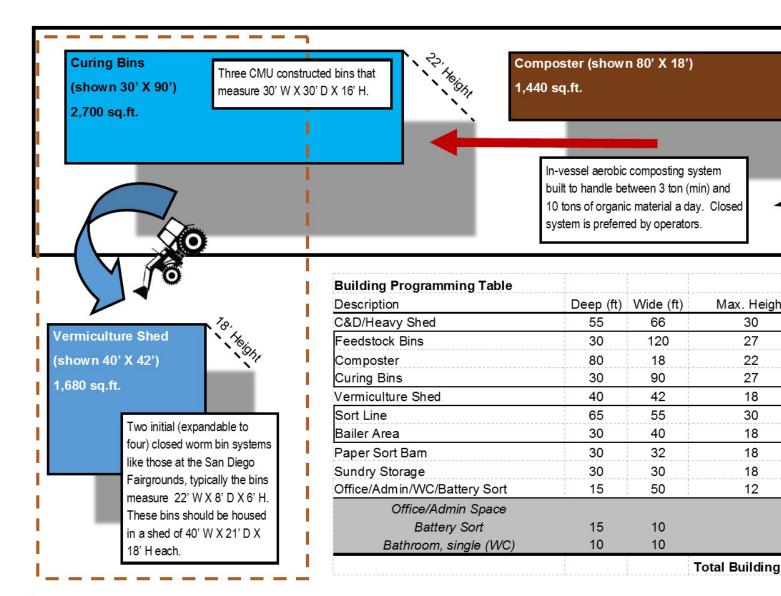


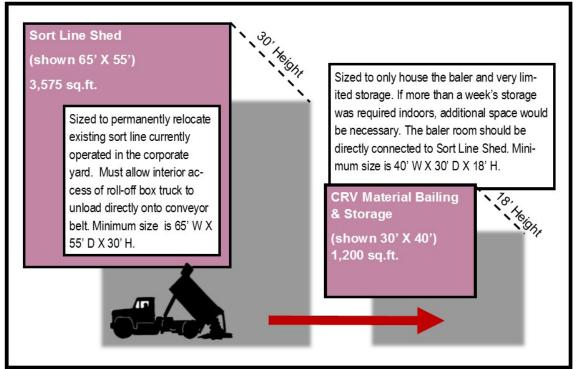
source Recovery on the Bowl.

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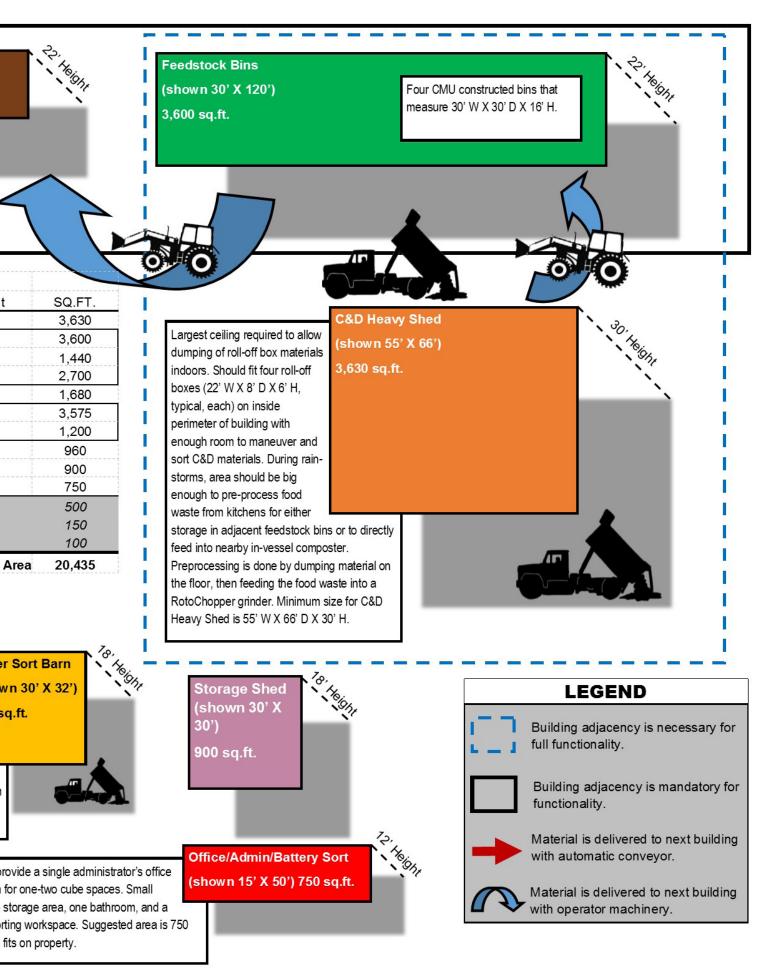




Sized to permanently relocate existing temporary paper sorting activities from corporate yard to a permanent, weather-proof space. Minimum size is 30' D X 32' W X 18' H.

Sized to p plus room employee battery so sq.ft. as it

Pape





/// SUSTAINABILITY MASTER PLAN, SANTA CLARA

TYPE: PLAN DOCUMENT / SYSTEM DEVELOPMENT

LOCATION: SANTA CLARA

YEAR: 2018

The Sustainability Master Plan for the County of Santa Clara must be:

- 1. Relevant to County
- 2. Interdisciplinary & Cross-cutting to Integrate Sustainability Policy across County
- 3. Balance Ambition with Practical Achievement

In the late 1960s, Stewart Brand, the author of the Whole Earth Catalog, was on a personal mission to publish the first image of the earth as a single planet from space for the public. With the Whole Earth Catalog, he introduced the discipline of cataloging issues to further sustainability with values of self-sufficiency, ecology, holism and scientifically verifiable results. Soon thereafter, a series of man-made and unprecedented environmental catastrophes occurred, including the Santa Barbara Oil Spill, Three Mile Island, and the Cuyahoba River fire, leading to the passing of the National Environmental Policy Act; this dictated an interdisciplinary approach to sustainability planning. In the following year, California introduced a state-version of NEPA, but required substantive environmental safeguarding as part of the planning process. Finally, as sustainability has "professionalized," standards for data collection, analysis, metrics and reporting are a defining characteristic of sustainability planning.

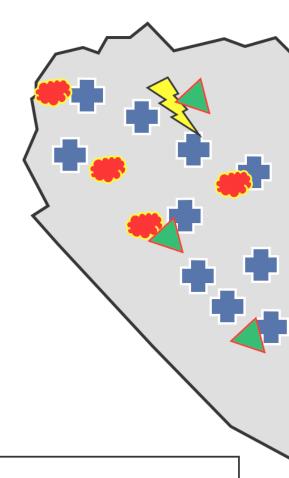
Today, there are three types of SMP's written largely to meet statutory requirements or acquiesce development pressures.

Specific Design Strategies usually reflecting a charrette process that joins design professionals, local residents/stakeholders and the appearance of objectivity.

Climate Change SMPs are written in California in response to climate action requirements; as well, they and are written at Universities and Companies to meet their own GHG emission reduction goals associated with their brands/mission/commitments.

Habitat Conservation SMPs are written typically to avoid or mitigate the taking of endangered species, especially in the development of a region, county, state or special area. Typically they are based on either a pre-defined ecological region, or as preferred, one or more hydrologic watershed units.

Regional Sustaina





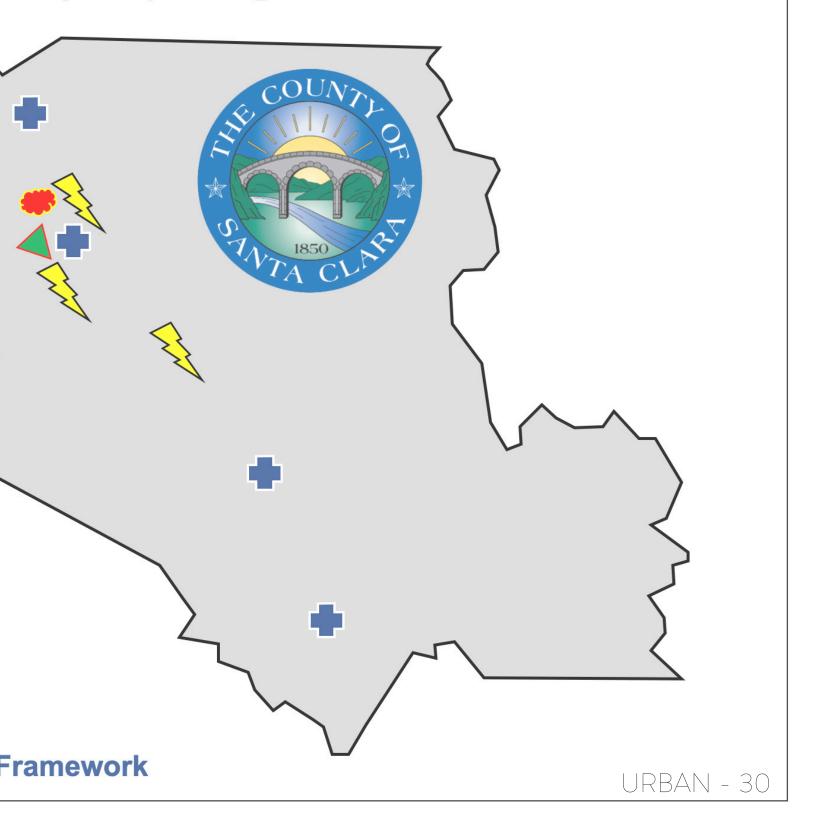






County of Santa Clara
Sustainability Master Plan I

bility Reporting Committee



We have been charged to integrate the sustainability efforts of the County as a whole, to yet practically achievable. We hope the endeavor actually encourages inter-departments our County's efforts toward overall resiliency, health and economy. We do not want this to "sustainability" activity.

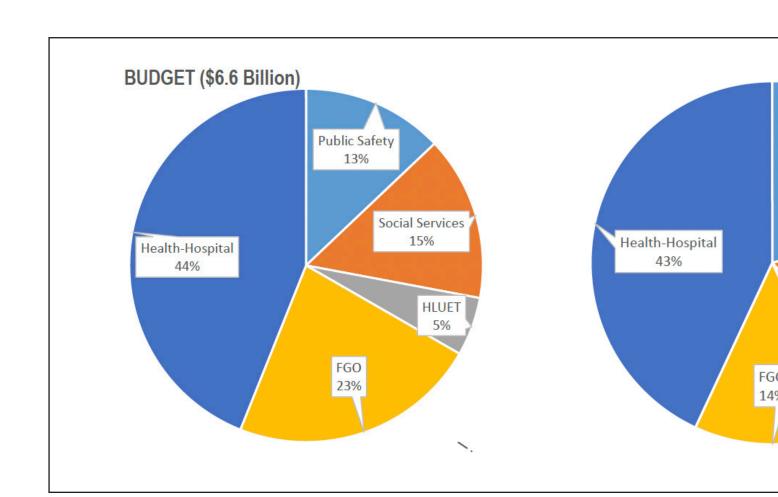
With SMPs there are usually the "greatest hits" of issues to be discussed. These issues a species takings avoidance, or an overall reduction in neighborhood nuisance caused by dra reference back to the core principle of sustainability and approach an SMP with as best as administration-wide sustainability, rather than simply a linear problem-analysis-solution-impact of the core principle of sustainability and approach and t

To the best of my knowledge, the CEQA checklist used for an initial study has nearly all implatforms used at all "worldly" scales, beginning with the single building (USGBC & Living scale (Santa Clara County, State's DGS, Fed's General Services Admin Region 9), and to comprehensive, and it needed three new categories to truly be holistic in breadth. Those are

Our own Environmental Stewardship Goals, those goals meant to advance our County's su we can use these Issues of Concern to identify the following:

- Applicable laws/regulations that impact County sustainability objectives
- Existing County programming that already concerns sustainability
- Current required data, metrics and reporting stemming from this programming/regulation
- Any identifiable threats to the County based on the issue of concern
- Any special opportunities for relevant, interdisciplinary, ambitious yet achievable collaboration

Environmental Stewardship Goals & County Policy. Beyond a review of the Issues of Conpossible alignment of the ESGs with Board Sustainability Policy. As the ESGs were a producturrent Board of Supervisor's Sustainability Policy. We would like to review, reflect and suggety et achievable policy and goals for the County's business. ISMP Reporting: Sustainability So to identify data, information, existing metrics and other record outputs to create a Sustainausing the Carbon Disclosure Project for Cities. If we find it helpful, in a later phase of developed and progress.



address interdisciplinary, crosscutting issues with a balanced approach that is ambitious, I relationships, reduces redundancy, and improves grant-funding opportunities to further become a source of further paperwork that simply becomes an annual clearinghouse of

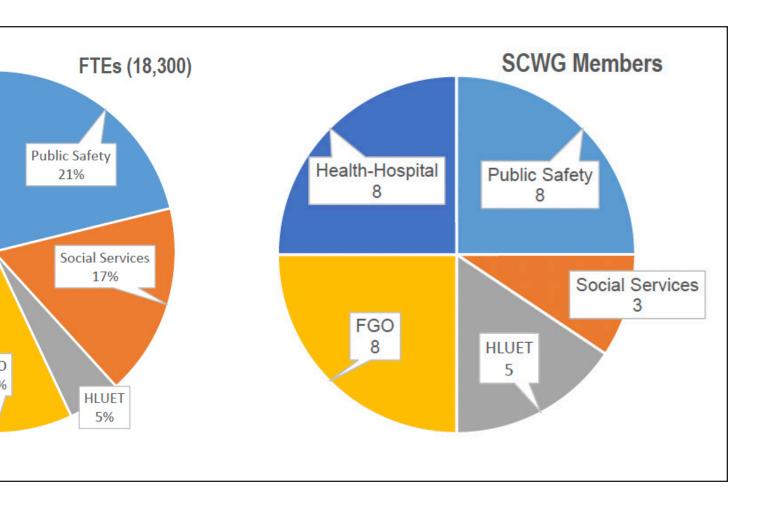
re characteristically defined by the dominant subject of the SMP, that is, GHG reduction, matic local development. I hope to avoid this single-issue paradigm focus. Instead, I hope to possible, a comprehensive catalog of issues. In this way, the SMP can act as a platform for plementation script.

pacting issues of sustainability. So as to double-check this belief, I surveyed sustainability Building), then the campus/neighborhood scale (AASHE, CSU & UCOP), then the regional finally, the international scale (NAFTA & UN). What I found was that CEQA was almost a Innovation & Education, Procurement & Investment, and Social Justice.

stainability prerogative, only address 6 of these 20 issues of concern. With the ISMP, I hope

ition

cern, another critical task for SMP and stakeholders, is the updating of the ESGs and the of the Bay Area Climate Change Compact from 2009, they are not entirely aligned with the est a manner in which to update these to provide clearly relevant, interdisciplinary, ambitious orecard. With the alignment of Board Sustainability Policy with the ESGs, it will be important bility Scorecard. In addition, we could measure ourselves against other cities and counties ment, a public dashboard/interface could be used to communicate our sustainability efforts



Issues of Concern: Sustainability Factors

	$\overline{}$					-												-
	Aesthetics	Ag & Forest	Air Quality	Biological & Ecosystem Resources	Cultural Resources	Geology	GHG & Climate Change	Hazards & EHS	Hydrology & Water Quality	Innovation & Education	Land Use & Planning	Mineral Resources	Noise	Population & Housing	Procurement & Investment	Public Services	Recreation	
CEQA	~	✓	✓	✓	✓	✓	✓	✓	✓		~	✓	~	~		✓	✓	
United Nations		✓	✓	✓			✓	✓	✓	✓	✓			✓	✓			J
Commission on Environmental Cooperation (NAFTA)		~	~	~			~	✓	~	✓	✓	✓		✓	~	~		
Region 9 (Fed)			✓				✓	✓			✓				✓	✓		
Dept. General Services (CA)				~			~	~							~			
Santa Clara Co.		✓						✓		✓	✓						✓	V
UCOP		/	✓	✓			✓	✓		✓					✓	✓		V
CSU		\	✓				✓	✓		✓					✓	✓		
AASHE		<	✓				✓	~	✓	✓	~			✓	✓	\		
USGBC	✓		~	~			~	✓	✓	~	✓			~	✓	✓	✓	
Living Building	✓	✓	~	✓	✓		✓	✓	✓	✓	~			~	✓	~	✓	•
GHG Resolutions							✓											
Environmental Stewardship Goals		10								11	4 7						9	

& Their Definitions

] [Aesthetics	potential for any degradation to visual character or quality for a site or its surroundings; or the creation of a new source of substantial light							
Social Justice Utilities and Services			Agricultural & Forestry Resources	impacts to agricultural resources, farmland and/or timberland; or non-agricultural conversion of existing farmland								
	Service	uo		Air Quality	actions that violate air quality standards or contribute to an air quality violation							
	ies and	Transportation		Biological, Ecosystem & Habitat Resources	activities that have a substantial adverse effect on any species and/or their habitat identified as sensitive/special plans							
Social	Utilit	Trans		Cultural Resources	causes of substantial adverse change in the significance of a historical resource							
	✓	✓		Geology	exposure of people/structures to potential adverse effects from earthquakes, liquefaction, and/or landslides							
_		/		Greenhouse Gas Emissions & Climate Change	generation of greenhouse gas emissions with a significant impact on the environment							
				Hazards: Hazardous Materials, Environmental Health & Safety	significant hazards to the public through the routine transport, use, or disposal of hazardous materials							
				Hydrology & Water Quality	water quality/waste discharge requirements violations; or substantial groundwater supplies/recharge depletion							
	✓	✓		Innovation & Education	strategies and measures of address the constantly evolving new technologies and practices							
		✓		Land Use & Community Planning	physical division of an established community; conflicts with a land use plan							
/	✓	✓		Mining Resources	losses in the of availability of mineral resources							
/	✓	✓		Noise	exposure of persons to or generation of noise levels in excess of established standards							
	./	/		Population & Housing	substantial population growth in an area or the displacement of substantial numbers of people/existing housing							
	/	/		Procurement & Investment	procurement and investment decisions/practices that promote sustainability							
/	/	/		Public Services	adverse impacts or need for new facilities to maintain acceptable service ratios/response times for any of the public services: fire protection, police protection, schools, parks, or other public facilities							
			<u> </u>	Recreation	dramatic increase or high neglect in the use of existing neighborhood or regional parks that would cause substantial deterioration of the facility							
	8	1	 	Social Justice	creation of a more just, equitable society through the transparent disclosure of the business practices of the major organizations involved							
	2 3 5 6			Utilities & Services & Traffic Management	impacts to water supply, wastewater, landfill capacity, storm water, electricity, gas, or other utility service infrastructure or quality of service provided							
				Transportation & Traffic Management	attention be paid to activities that conflict with the effectiveness of the circulation system, including mass transit and non-motorized travel and relevant pieces of circulation system							
			, ,									



TYPE: A dissertation submitted to the Office of Graduate Studies of Texas A&M University in partial fulfillment of the requirements for the degree of Doctor of Philosophy.

LOCATION: COLLEGE STATION

YEAR: 2012

ABOUT: This dissertation analogically applies a framework of minor literary analysis to uniquely political units of the built environment conventionally understood to be executed per the greatest utility of established communal objectives, an underlying politicization is inher must adhere to dominant norms of development which potentially marginalize those who practice cultural methods outside normative stand uniquely architectural method of environmental justice advocacy, select communities facing disenfranchisement react by self-producing urban-("UAFs") to protect threatened cultural values from marginalization. Installed to subvert the existing power dynamic, such UAFs are potential earchitecture.

Adopting the analytical standards established by Gilles Deleuze and Felix Guattari for evaluating Franz Kafka's literature, this paper tests size if a minor architecture is possible under contemporary globalization. Employing an enumerated framework of minor production characteristic historical analysis is the primary method of judgment regarding each unit's execution of minor architecture. Two secondary tests are undertagorimary findings, the first of which is a physio-logical evaluation that characterizes and measures urban resource utility as per collective minor newspaper correlation test is undertaken so as to judge the enunciative effectiveness of each community per issues of minority politics.

Of the six cases examined, two have their source in cinema including "Bartertown" of MAD MAX BEYOND THUNDERDOME (1985) and the Street" of FIGHT CLUB (1999). The four remaining cases include the Tibetan Government-in-Exile of Dharamsala, India; Student Bonfire of Texas; Isla Vista Recreation & Park District of Santa Barbara County, California; and the Emergent Cannabis Community of Arcata, Californ studied, only the Tibetan Government-in-Exile met both the conditions of minor architecture and was validated in terms of practiced urban reas effective representation in mainstream newsprint. Both cinematic cases failed as minor productions of the built environment. Although the validation, the three remaining real-world UAFs each were found on a course of minor architectural expression at varying stages of execution.

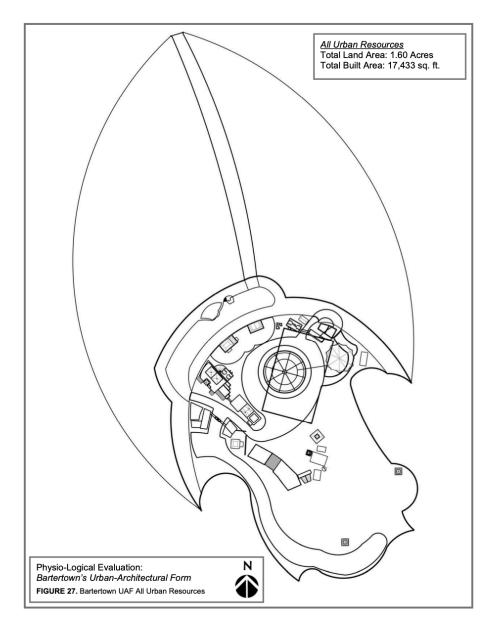


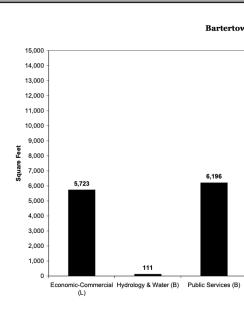
CASE STUDY #1

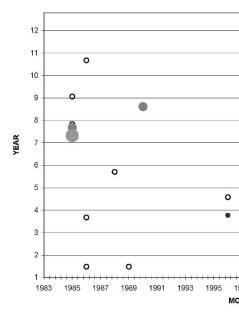
BARTERTOWN

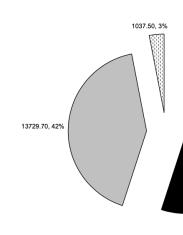
The first cinematic case analyzed is Bartertown, taken from the film MAD MAX BEYOND THUNDERDOME (1985). This case exemplifies a pre-analysis research expectation for minor architecture as it portrays a community cobbled together of entrepreneurial survivors on a post-apocalyptic landscape. Bartertown was built from scratch in a former brick yard that had been abandoned just outside Sydney. Today, the address of the former Bartertown set is The Brickpit, Sydney Olympic Park, Sydney 2127, New South Wales, Australia.

Bartertown is a closed site covering 1.60 acres (69,803 square feet). Based on the number of people that can physically fit on the Thunderdome structure, approximately 330 individuals could live in the community at any one time. As embedded in the very name of the cinematic community, Bartertown is an attempted political redefinition of the given post-apocalyptic landscape employing a vehicular category of linguistic expression. As a product of a potential peak oil doomsday, the resultant urban-architectural form realized for collective survival appears to fail to meet the characteristics of minor production as the strongest survive only to exploit those in dire need of the remaining resources.

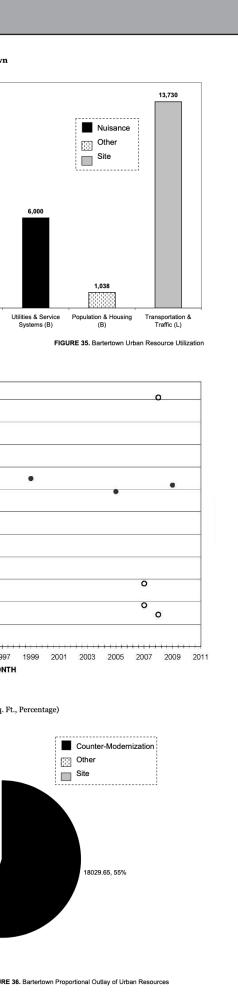


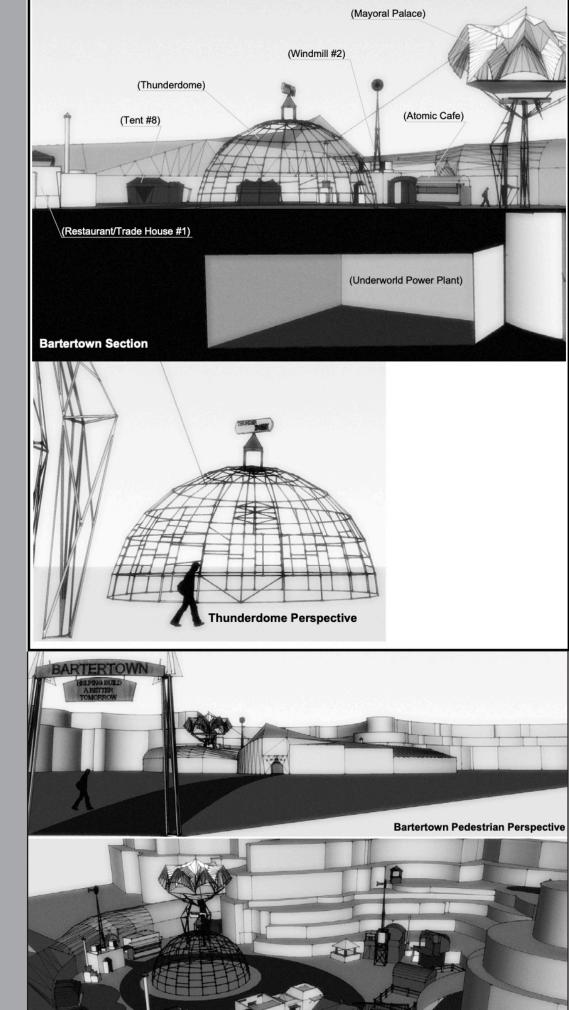






Bartertown (Se





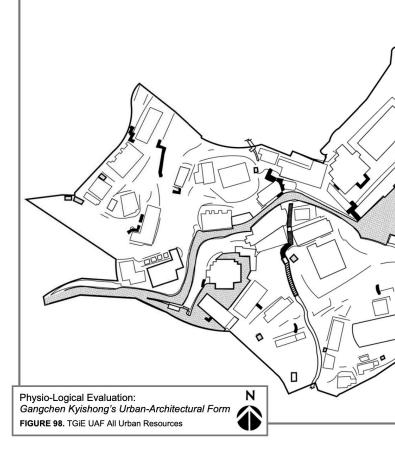
Bartertown Birdseye Perspective

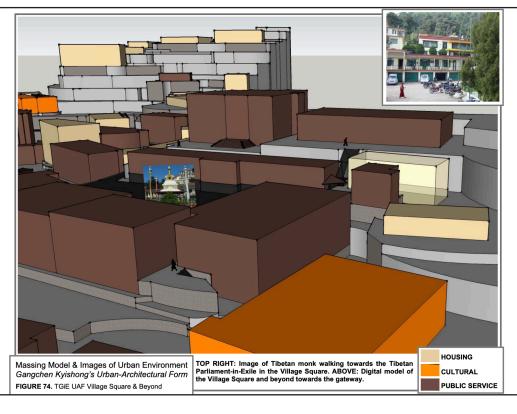
TIBETAN GOVERNMENT IN EXILE

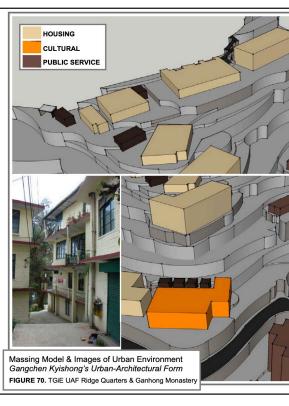
CASE STUDY #2

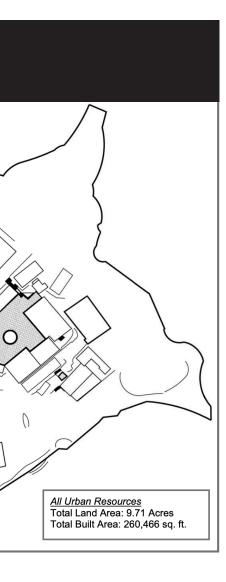
The village housing the official Tibetan Government-in-Exile is Gangchen Kyishong, Dharamsala, Himachal Pradesh, India. The cluster of sturdy, clean buildings employed for Tibetan nationalism lies a few miles north (uphill) of the Dharamsala city center, and approximately a half-mile south (downhill) from the original Tibetan outpost of McLeod Ganj, another village within Dharamsala's city limits. The Tibetan Government-in-Exile began its operation in McLeod Ganj in late April 1960 under the advisement of the Indian Government so as to begin a long process of communal rehabilitation. There, the Central Tibetan Administration was born and its district bounds grew to an area of 9.7 acres (422,943 square feet) housing an approximate population of 825 Tibetans.

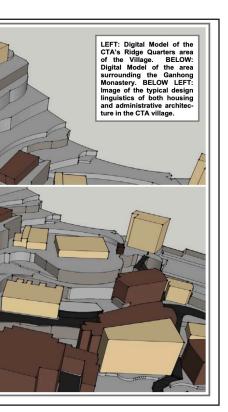
Since the People's Republic of China has enforced a dominant national position over what is now the Tibetan Autonomous Region, the indigenous cultural authorities have reacted with their own vehicular linguistic expression in their exiled urban development in Dharamsala, India. In other words, the former religious rulers of the Tibetan plateau have attempted a commanding redefinition of their own refugee encampments so as to assert an independent political codification of national identity for the Tibetan as separate from Chinese authority. Here, as this loyal faction has followed the guidance and prudence of the 14th Dalai Lama, the Tibetan Government-in-Exile may have pro en that the politics of a community can truly merge with their given built environment.

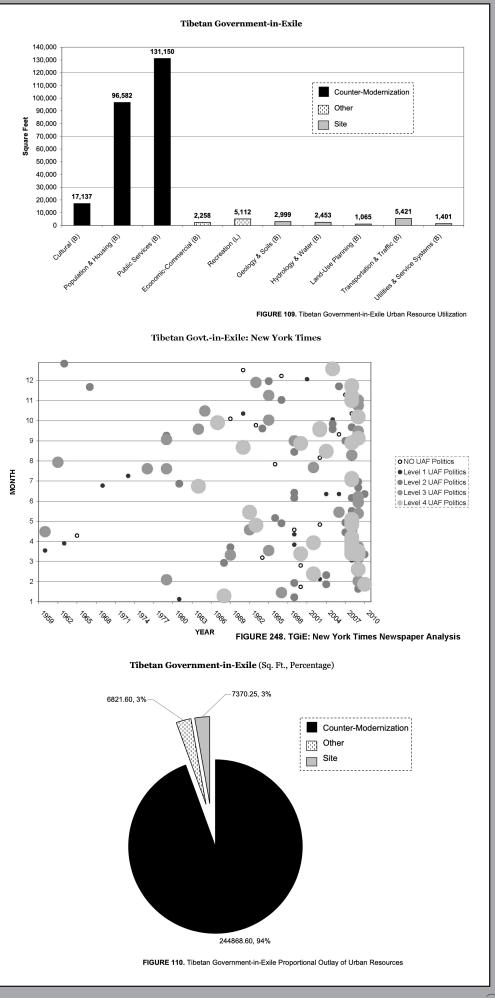








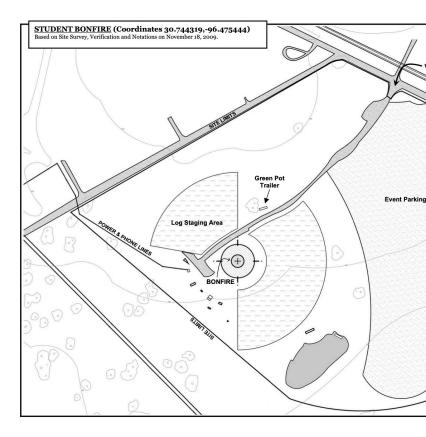


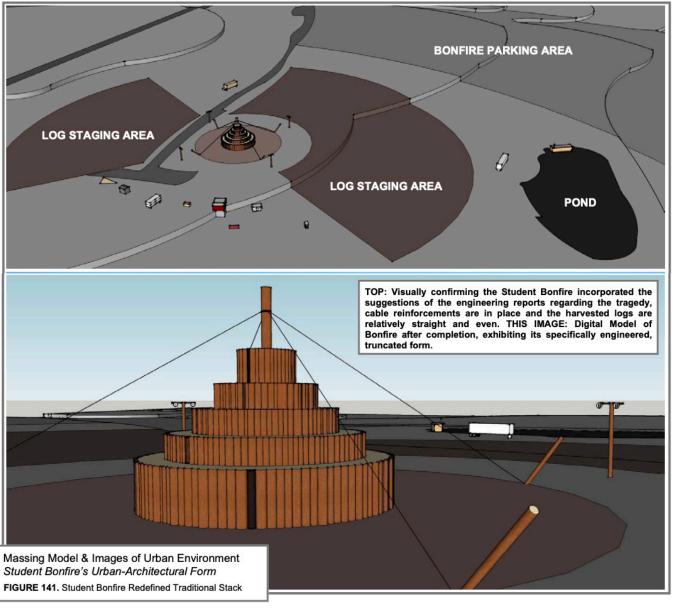


CASE STUDY #3

STUDENT BONFIRE

As the Aggie Bonfire collapse of November 18, 1999, produced a wave of litigation, cultural rehabilitation, and administrative negotiation between those who wished to continue the enterprise and those rightfully opposed to such an endeavor, a unique design paradox emerged without clear collective direction. In 2005, a committed group of Aggie Bonfire enthusiasts created a non-profit corporation to rehabilitate and continue the century-old tradition off-campus. Although this group has continued the tradition in either Robertson or Brazos Counties of Texas over the years, today the Student Bonfire is located on the illegible border between the two counties. Existing without an address in a rural no-man's land endemic of Central Texas, the Bonfire Stack is now built off the Old Hearne Road precisely located simply by its geospatial coordinates: 30.744319, -96.475444.





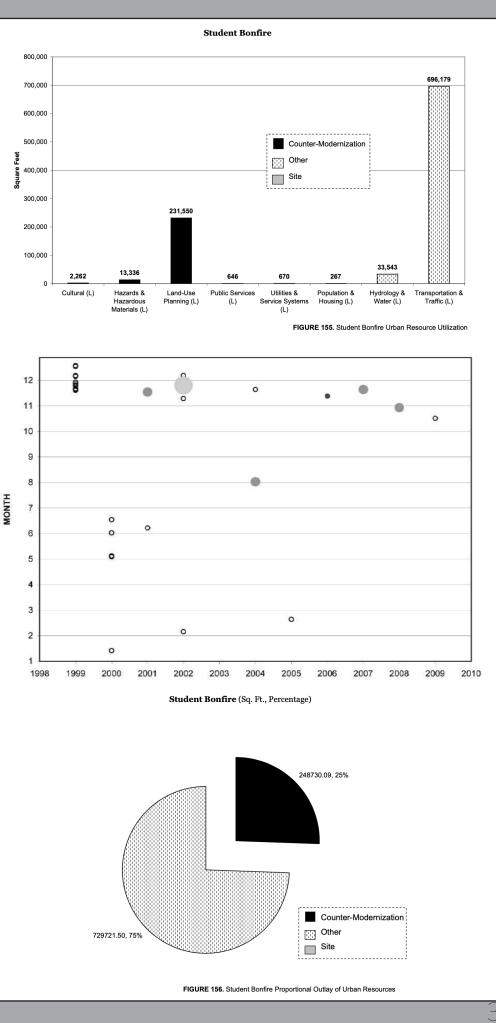
As recent as 2009, in "Cut" and "Stack of live trees and the rough lumber acco It is estimated that Bonfire's "Burn" ev likely an under-ag participation has in numbers are usual the burn site rath for lighting the Bo turned away due to and surrounding c "Stack" and "Burn' square feet) and i Redpots, four Junio

Exemplifying that "language of the Stuspiritual expression the individual to a group." In other wo volunteers of Studicategory, one that to minor architectus



Student Bonfire had over 1,500 participants ," formal events that entail first the harvest ereafter, the assemblage of such harvested rding to contemporary engineering plans. t over 8,000 spectators attended Student ent in 2005, but such a census is most oproximation as the number of "Burn" ncreased over the years. Today, spectator ly limited by available parking space near er than communal interest. As the hour nfire approaches just after dark, cars are the lack of space for parking on the site ounty roads. The current Student Bonfire ' site has an area of 43.9 acres (1,912,145 s led by 13 student leaders: four Senior r Redpots and five Brownpots.

There's a spirit can ne'er be told..." the built udent Bonfire is an apparatus of an annual of "effervescence", an event that admits sacred, intersubjective, social world of the rds, the built environment created by the ent Bonfire expresses a mythic linguistic potentially proves a non-profit approach re.

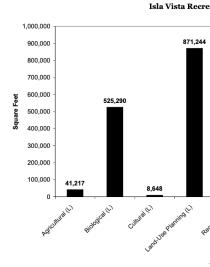


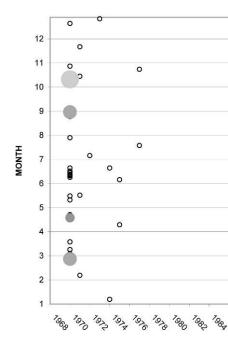
CASE STUD Y #4

ISLA VISTA RECREATION & PARK DISTRICT

Isla Vista, California, is an unincorporated beach community surrounded on three sides by the University of California, Santa Barbara, and on the fourth side, the Pacific Ocean. Within the roughly ½-mile square community there reside an estimated 22,751 Isla Vistans, 82% of which are between 18 and 24 years of age. Although the County of Santa Barbara has estimated the size of the community at 320 acres, my own analysis of the Isla Vista Recreation & Park District's purview measures at 344.5 acres (15,003,739 square feet).

In spite of (or due to) the unincorporated nature of this youthful beach community, the Isla Vista Recreation & Park District was formed by election in 1972 as a less threatening alternative to actual cityhood. The special district is still to this day the only local government jurisdiction specifically representative of the population intentionally exiled by both the profiteering off-site property owners and the surrounding university institution. Progressively developing the remaining open space within the District's boundaries as parks of cultural significance, the Recreation & Park designers have endeavored with measureable success to redefine the student ghetto with a vernacular linguistic expression of urbanism.





Isla Vista Recreation &



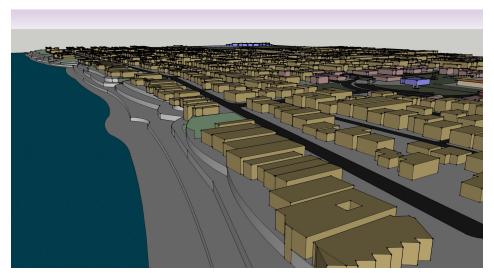
ation & Park District Counter-Modernization Other Site FIGURE 229. IVRPD Urban Resource Utilization YEAR Park District (Sq. Ft., Percentage) Counter-Modernization Other Site

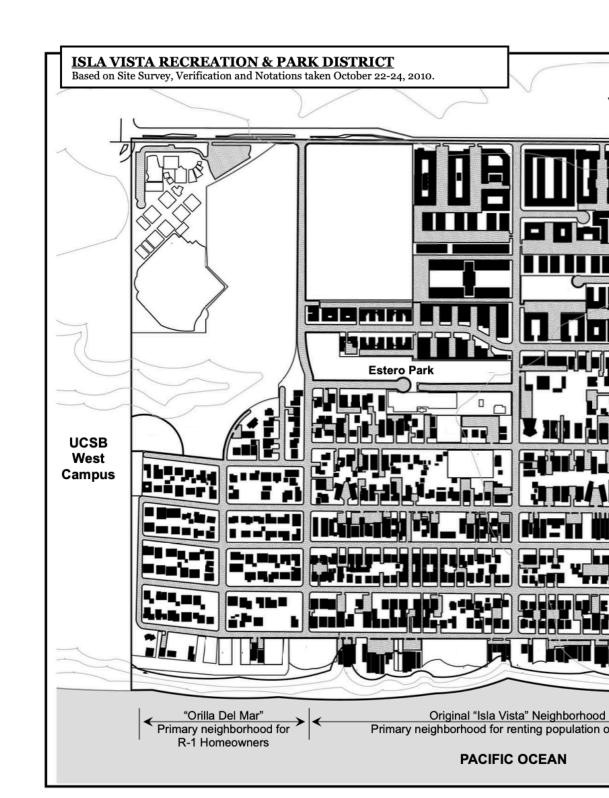
3.00, 99%

URE 230. IVRPD Proportional Outlay of Urban Resources









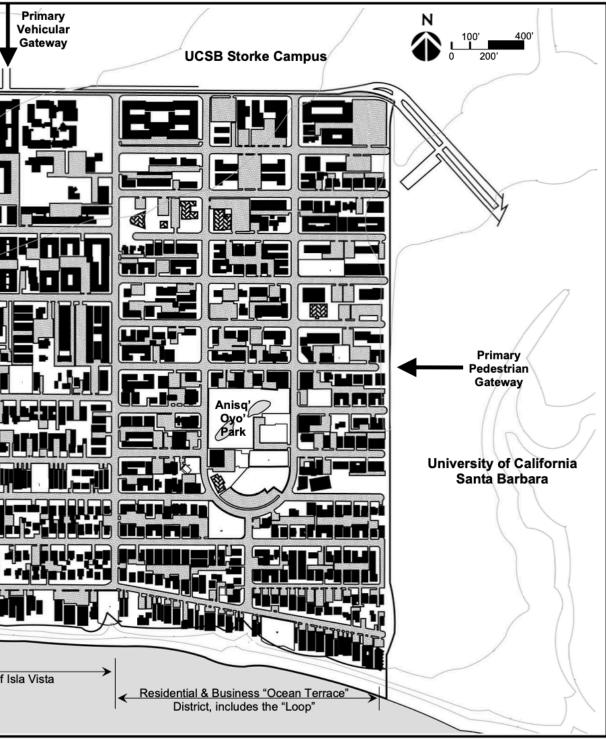


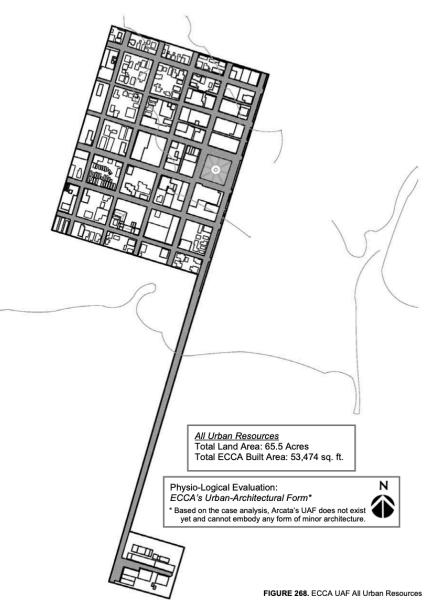
FIGURE 197. Site Plan of IVRPD

CASE STUDY #5

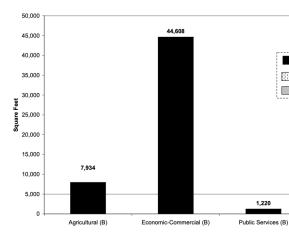
EMERGENT CANNABIS COMMUNITY OF ARCATA

Arcata, California, is a small college town of Humboldt County serving as the intellectual nexus and cultural heart for this environmentally sensitive "Lost Coast" of Northern California. Arcata has a population of 17,014 residents, spread over an area of 5,424 acres. The city endeavors to act as a civil model of environmental stewardship with its own pristine community forest, a wetland-based sewage treatment system, an abolition of all genetically modified foods within the city limits, and most important for this study, a pioneering local permitting system for medicinal marijuana production and distribution.

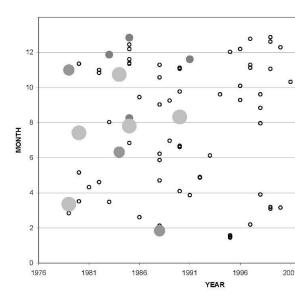
Once medicinal marijuana became legalized in California in 1996 with the passage of Proposition 215, Arcata's own civil leadership took dramatic steps to embrace this gray market opportunity to develop sustainable marijuana commerce. Early on, appointment-only clinics signified the nation's first successful attempts at legally dispensing cannabis, employing non-profit organizational structures that today are fundamental to the California dispensary model.



Emergent Cannabis Community of Arcata



FI



Emergent Cannabis Community of Arcata (Sq. Ft., Percenta

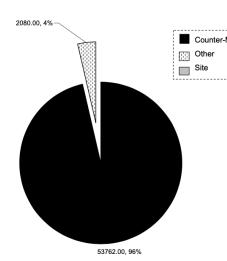
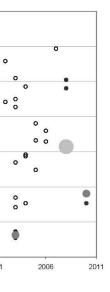


FIGURE 275. ECCA Proportional Outlay of U

Counter-Modernization
Other
Site

2,080
Population & Housing (B)

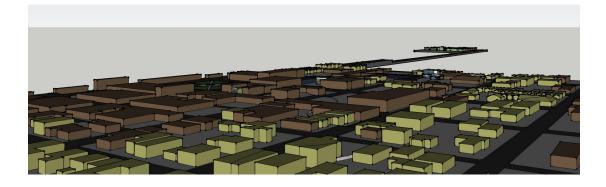
RE 274. ECCA Urban Resource Utilization

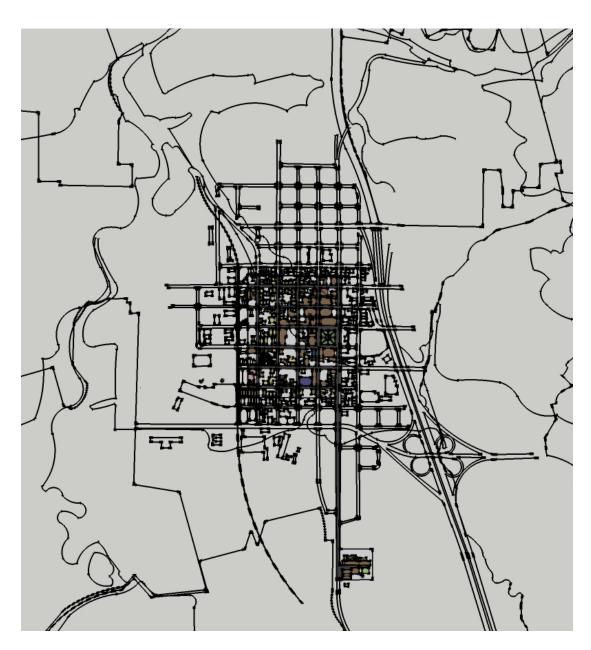


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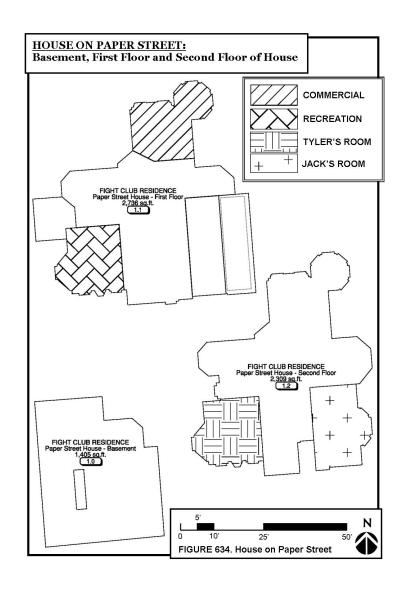
Today, the pot industry is undeniably the lifeblood of Arcata's commerce. Located within a 65.5 acre (2,852,469 square feet) sphere of commercial influence, this small community supports four dispensaries, two head shops, two large-scale hydroponic-specific specialty stores, and a hydroponic manufacturing facility. As the referential linguistic category of the built environment is concerned with conveying a particular "sense and of cultures", here, the redefinition of Arcata's land use code signifies the boundaries of a unique political zone openly defying the federal mandate of cannabis criminalization.

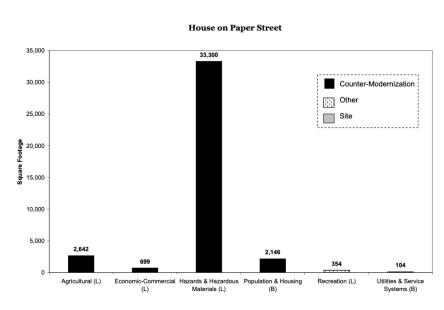
CASE STUDY #6

HOUSE ON PAPER STREET

The second cinematic case evaluated is the "House on Paper Street," taken from the film FIGHT CLUB (1999) directed by David Fincher. This film was adapted from a book of the same name, written by Chuck Palahniuk and published in 1996. The book's architectural subject is located in Wilmington, Delaware; to be exact, a dilapidated house located at 5123 NE Paper Street, Wilmington, DE 19886. Ironically, although Wilmington was never mentioned in the film, the "House on Paper Street" was built as an expressly dilapidated Victorian home in Wilmington on a parcel of 1.25 acres. Wilmington, California, that is

Southern California's Wilmington is a small community within the growing breadth of the Port of Los Angeles. This house, indicative of its character in both the book and film, embodies the built language of non-lethal self-destruction and prescribed pain for the characters as they reject their own consumerist tendencies. Eventually, the "House on Paper Street" becomes a living part of Project Mayhem, a 73 member community of punkish revolutionaries. The focus of the FIGHT CLUB story is one of cultural malaise in terms of the inevitable success of globalization. In reaction, the story's characters employ a vernacular linguistic expression against global commerce, providing a harrowing fable regarding the impacts of inequity unaddressed in contemporary capitalism.





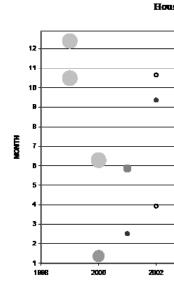


FIGURE 299. Project Mayhem Urban Resource Utilization

