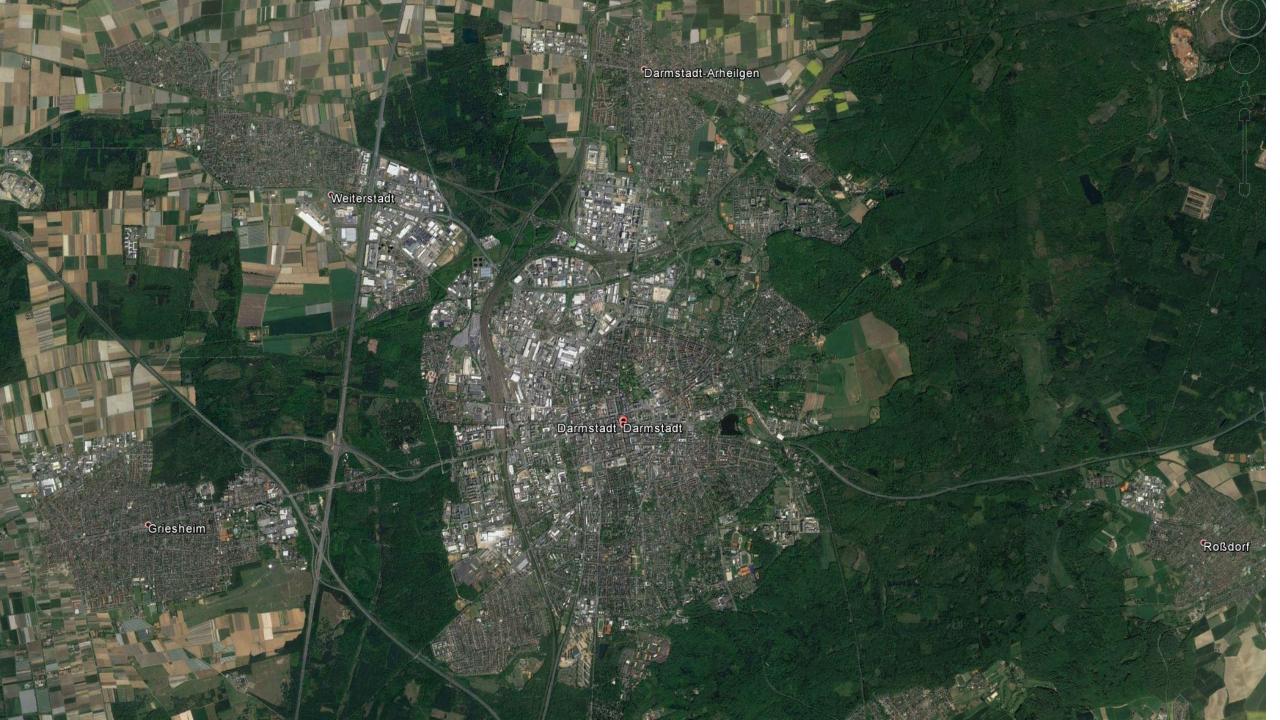
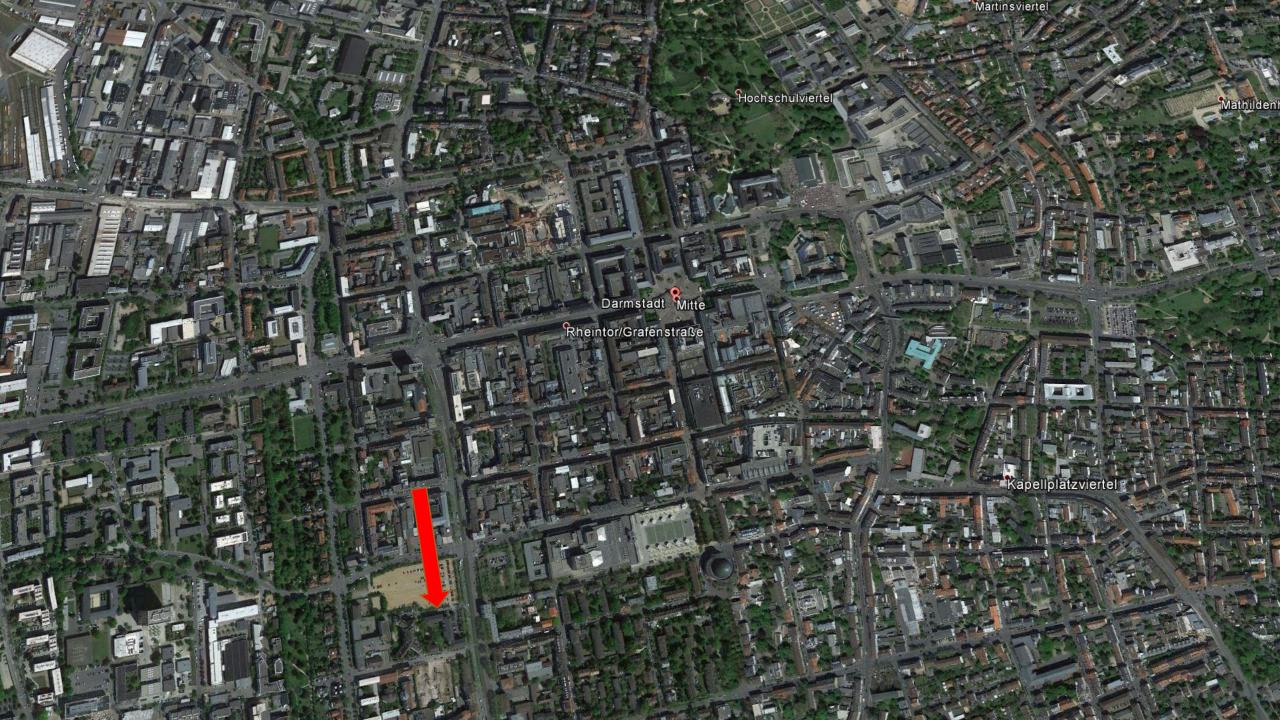
Energy Efficiency and Beyond: Petra Sattler-Smith

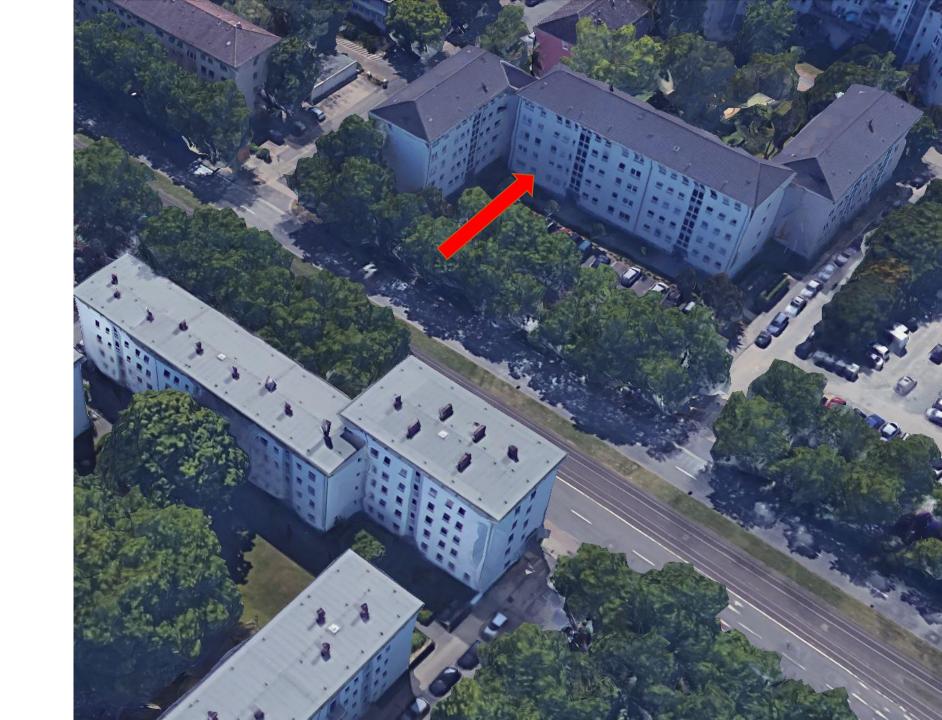
The Value of Design in Affordable Housing













3 units / story x 5 stories
= 15 units
15 x 3 + 10 x 2 = 65 units

- Density
- Privacy
- Not inspiring
- No connection to the environment

3 units / story x 5 stories = 15 units $15 \times 3 + 10 \times 2 = 65$ units



Home

Feel protected, comfortable and safe



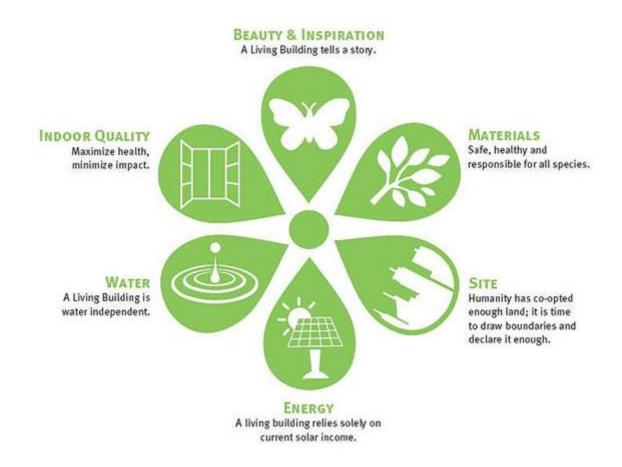
Housing is more than just protection from the elements.

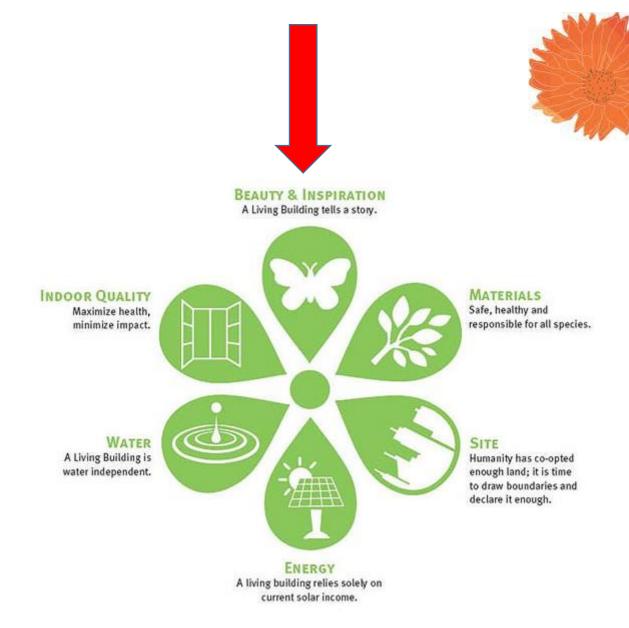
It's about a quality of life!

Home

Neighborhood







LIVING

BUILDING

CHALLENGE"

Positive long-term effect on the environment and society

- Positive long-term effect on the environment and society
- Attractive solutions for housing and urban spaces

- Positive long-term effect on the environment and society
- Attractive solutions for housing and urban spaces
- Beauty and spirit

- Positive long-term effect on the environment and society
- Attractive solutions for housing and urban spaces
- Beauty and spirit
- Quality versus quantity

- Positive long-term effect on the environment and society
- Attractive solutions for housing and urban spaces
- Beauty and spirit
- Quality versus quantity
- Encourage resident's sense of ownership

Ridgeline Terrace 2015

70 unit housing project

Developer Cook Inlet Housing Authority

Trapline / V2

Contractor Unit Company

Civil Enterprise

Structural Schneider Structural Engineers

Mechanical Jernstrom Engineering

Electrical EIC

Rating Factor	ting and Award Criteria Table Mountain View
Solar Thermal or	8
Geothermal	
Solar Photovoltaic	6
Equipped Units	8
Storage facilities	1
Service Enriched	1 4
Housing	_
Extended Low	
Income Use	1
Special Needs	12
Population Served	12
Homeless Preference	1
Hard Debt % of	Ť 32
TDC	,
Line Items w/I	1
Limits	_
All Lines Described	5
Discrepancy Penalty	-5
Developer Fee Split	4
DCR Must Pay Debt	9
DCR Soft Debt	12
Leveraging	12
Net Leverage	12
Cost	12
Commitments	6
Nonprofit	
Involvement	1
Penalty Points	
Job Training	6
Program	
Total Total	151.50



D. A. D. A.	Summary Rating and	
Rating Factor	-	Mountain View
Solar Thermal or	5.5%	8
Geothermal	Total 9.5% _	
Solar Photovoltaic	4%	6
Equipped Units		8
Storage facilities	_	1
Service Enriched		4
Housing		
Extended Low		1
Income Use		
Special Needs		12
Population Served		
Homeless Preference		Į .
Hard Debt % of		32
TDC		
Line Items w/I		1
Limits		
All Lines Described		5
Discrepancy Penalty		-5
Developer Fee Split		4
DCR Must Pay Debt		9
DCR Soft Debt		12
Leveraging		12
Net Leverage		12
Cost		12
Commitments		6
Nonprofit	_	
Involvement		L
Penalty Points	1	
Job Training	Ī	6
Program		
Total		151.50

Rating Factor			Award Criteria Table Mountain View
Solar Thermal or		13	8
Geothermal			6732
Solar Photovoltaic	Ť	10	6
Equipped Units	5.5%		8
Storage facilities	0.5%	10	1.
Service Enriched Housing	2.5%	1	4
Extended Low Income Use	0.5%		1
Special Needs Population Served	8 %		12
Homeless Preference	0.5%	87	1
Hard Debt % of			32
TDC			
Line Items w/I			1
Limits		- Total	
All Lines Described		22 %	5
Discrepancy Penalty		22 70	-5
Developer Fee Split			4
DCR Must Pay Debt			9
DCR Soft Debt		10	12
Leveraging			12
Net Leverage			12
Cost			12
Commitments		100	6
Nonprofit	0.5%		1
Involvement	0.070		1
Penalty Points			
Job Training	4 %		6
Program		8	
Total	-	5	151.50

	Summary Rat	ing and Award Criteria Table
Rating Factor		Mountain View
Solar Thermal or	Γ	8
Geothermal		
Solar Photovoltaic	Ī	6
Equipped Units	Ī	8
Storage facilities	Ī	1
Service Enriched	Ī	4
Housing		
Extended Low	T	1
Income Use	L	1
Special Needs	Ī	12
Population Served	L	
Homeless Preference	Γ	1
Hard Debt % of		32
TDC		
Line Items w/I		1
Limits	L	
All Lines Described		5
Discrepancy Penalty		-5
Developer Fee Split		4
DCR Must Pay Debt		9
DCR Soft Debt	L	12
Leveraging	L	12
Net Leverage		12
Cost	8 %	12
Commitments		6
Nonprofit		1
Involvement	L	1
Penalty Points		
Job Training		6
Program	Ţ	
	L	
Total		151.50

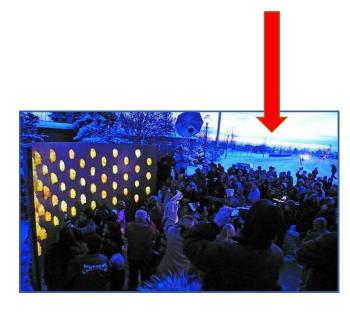
	Summary 1	Rating and	d Award Criteria Table	
Rating Factor			Mountain View	
Solar Thermal or	T		8	
Geothermal				
Solar Photovoltaic	T		6	
Equipped Units	T		8	
Storage facilities	T		1	
Service Enriched	T		4	
Housing				
Extended Low	Τ		1	
Income Use	1		1	
Special Needs			12	
Population Served	1			
Homeless Preference			1	
Hard Debt % of	21%		32	
TDC				
Line Items w/I	0.5%		1	
Limits	0.070			
All Lines Described			5	
Discrepancy Penalty			-5	
Developer Fee Split	2.5%	Total	4	
DCR Must Pay Debt	6%	58 %	9	
DCR Soft Debt	8%		12	
Leveraging	8%		12	
Net Leverage	8%		12	
Cost			12	
Commitments	4%		6	
Nonprofit			1	
Involvement	1		1	
Penalty Points	1			
Job Training			6	
Program	1			
	1			
Total			151.50	



"52 faces"

Art installation by Erin Pollock and Steph Kesey
in Mountain View





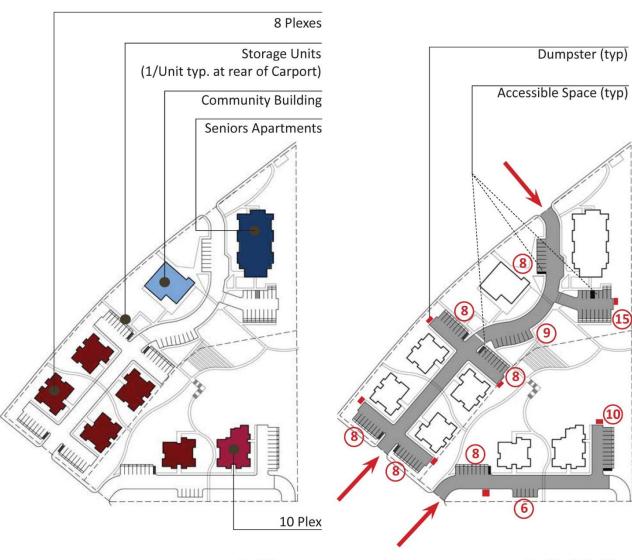
"52 faces"

Art installation by Erin Pollock and Steph Kesey
in Mountain View







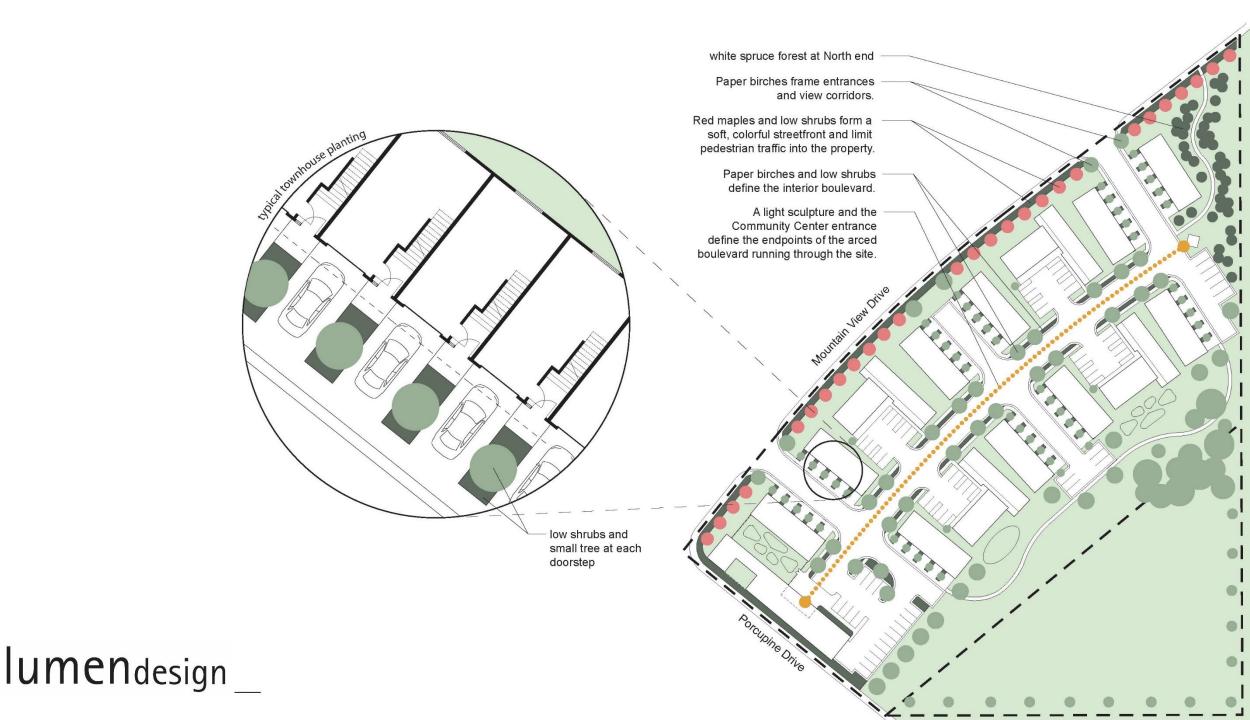


Buildings

Traffic & Parking



automotive circulation view corridors photovoltaic arrays Radial orientation provides Mountain View Drive private boulevard driveways views through the site. Most residents see the mountians from their homes. community ammenities pedestrian circulation solar-thermal arrays community center outdoor recreation







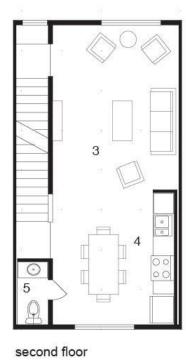


lumendesign

- 1 garage
- 2 entry
- 3 living / dining
- 4 kitchen
- 5 bathroom
- 6 bedroom
- 7 laundry
- 8 storage

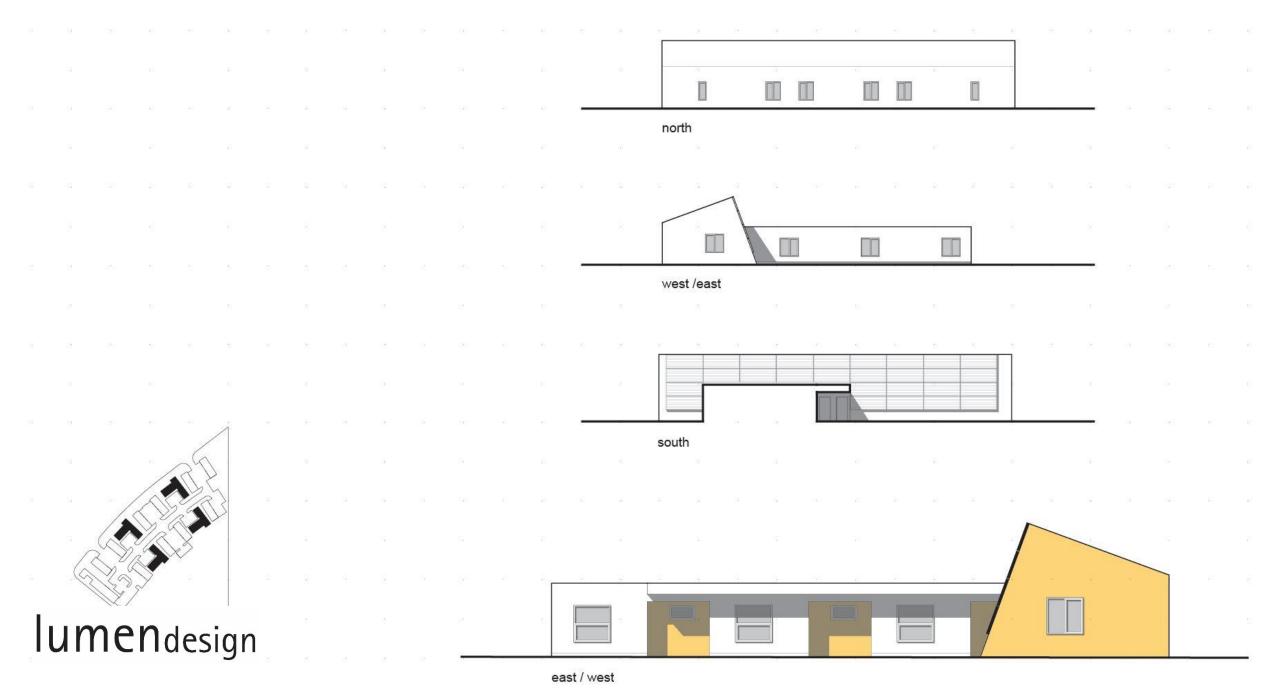


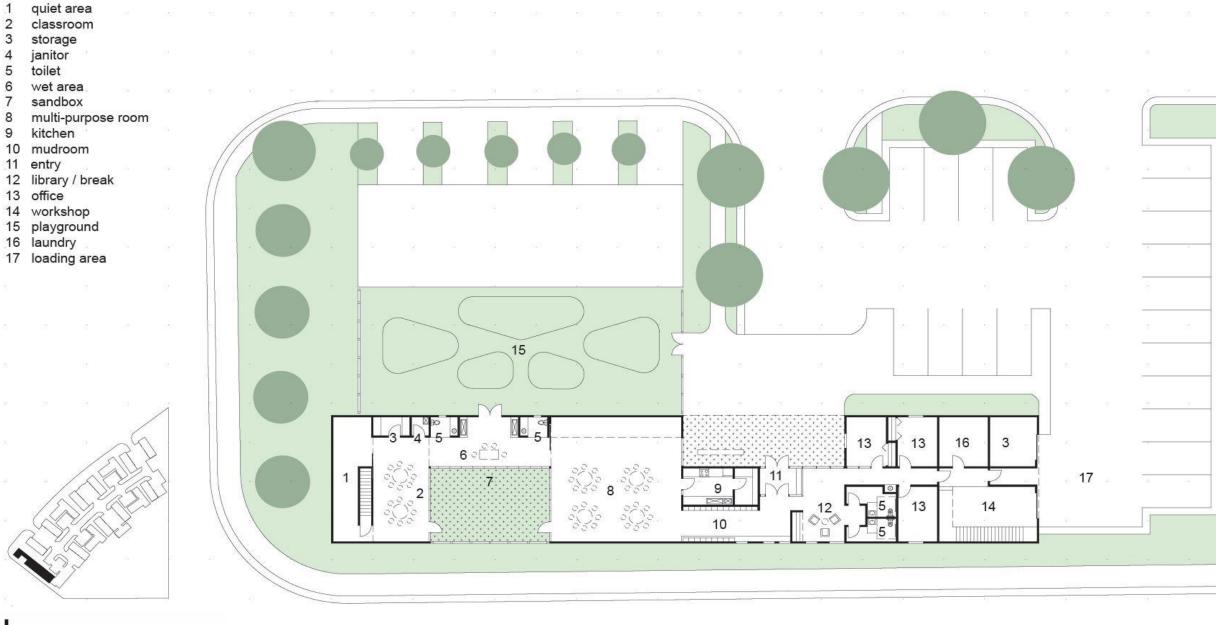






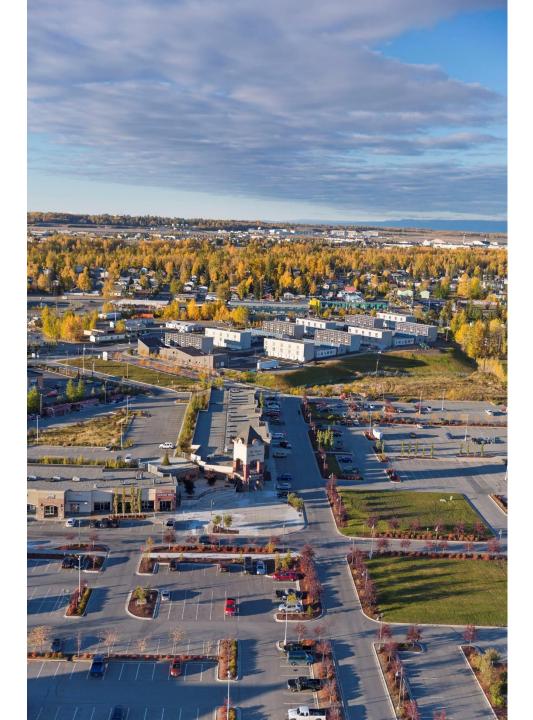
first floor





lumendesign































- AIA Alaska
- 2016 Design Honor Awards
 - Citation Award

keuse or buildings

Susitna View 2016

20 single-occupancy affordable permanent supportive Housing-

First apartments in downtown Anchorage for chronically homeless individuals with severe needs.

Owner RurAL CAP

Developer Trapline / V2

Contractor SR Bales

Civil Enterprise

Structural Schneider Structural Engineers

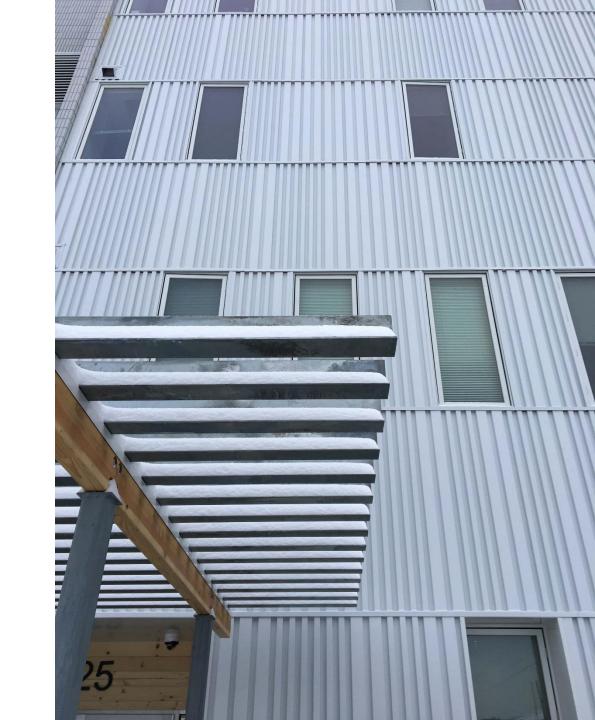














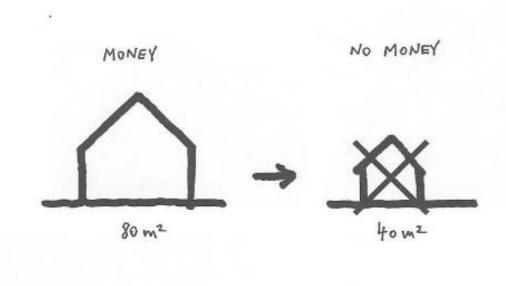
Quantly VS. Quantity

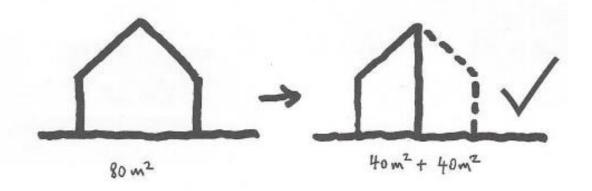
Villa Verde 2013

Affordable housing project for 484 families, Constitution, Chile

Architect

Alejandro Aravena Prizker Prize winner 2016











Beauty

- Value of design
- Quality versus quantity
- Creative solutions to sustainability

Spirit

- Social infrastructure
- Cultural background
- The right to express yourself

Inspiration

- Communication
- Networking

Education

- Create dialogue
- Communicate Publish findings
- Exhibit solutions

