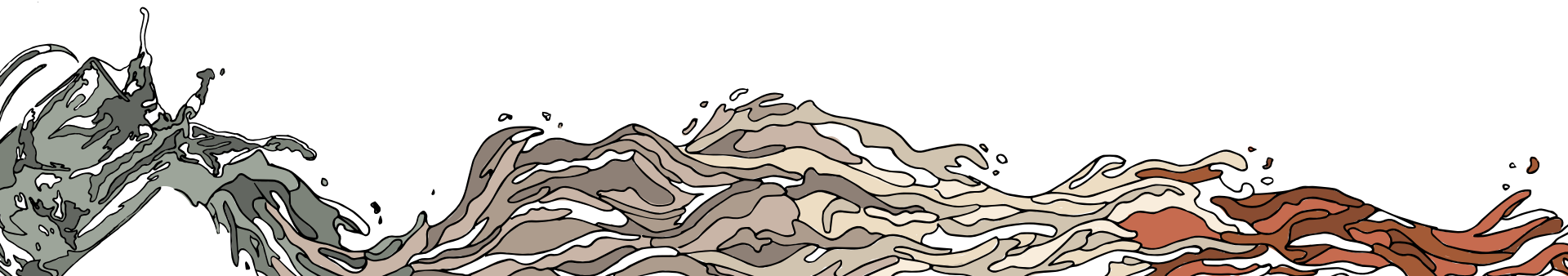




**SWEETGUM
BREWING CO.**





Brasfield & Gorrie Student Design Competition, Fall 2015

*Vanessa Holden, Ben Marshall, Edward Holmes V, Brent
Gaude', Casey Jennings, Michael Carraway, Jared Robinson*

Professors Gines, Gregory, Herrmann, Miller and Powney

Table of Contents

Site Information | 2

Site Photos | 3-6

Logo | 8

Concept-Inspiration | 9-10

Merchandise | 11

Branding and Signage | 12-14

Floor Plan | 16

Site Model | 18

Building Costs | 19

LEED Information | 20

Finishes | 22

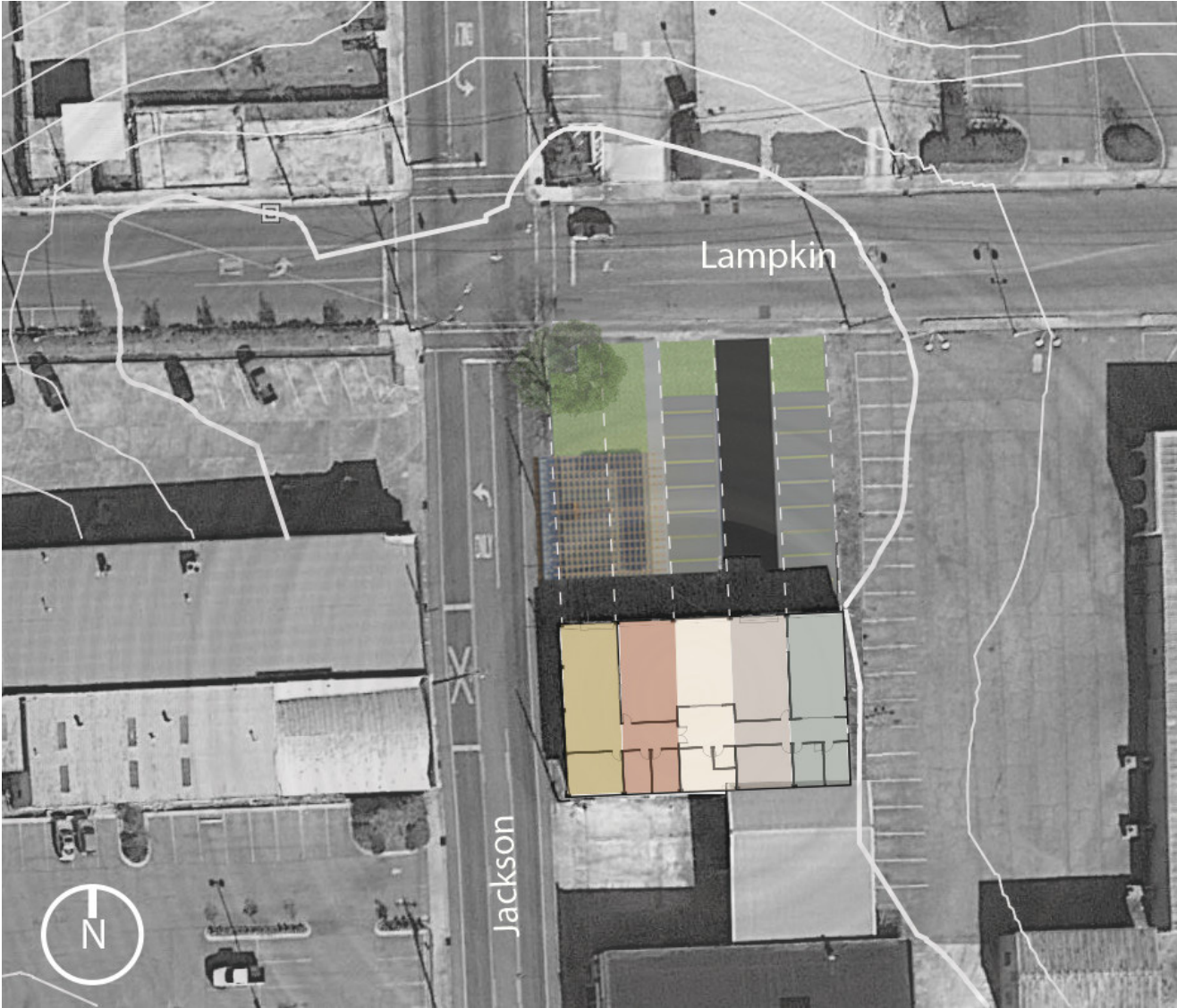
Exterior Rendering | 23

Interior Rendering | 24

1

RAW INGREDIENTS





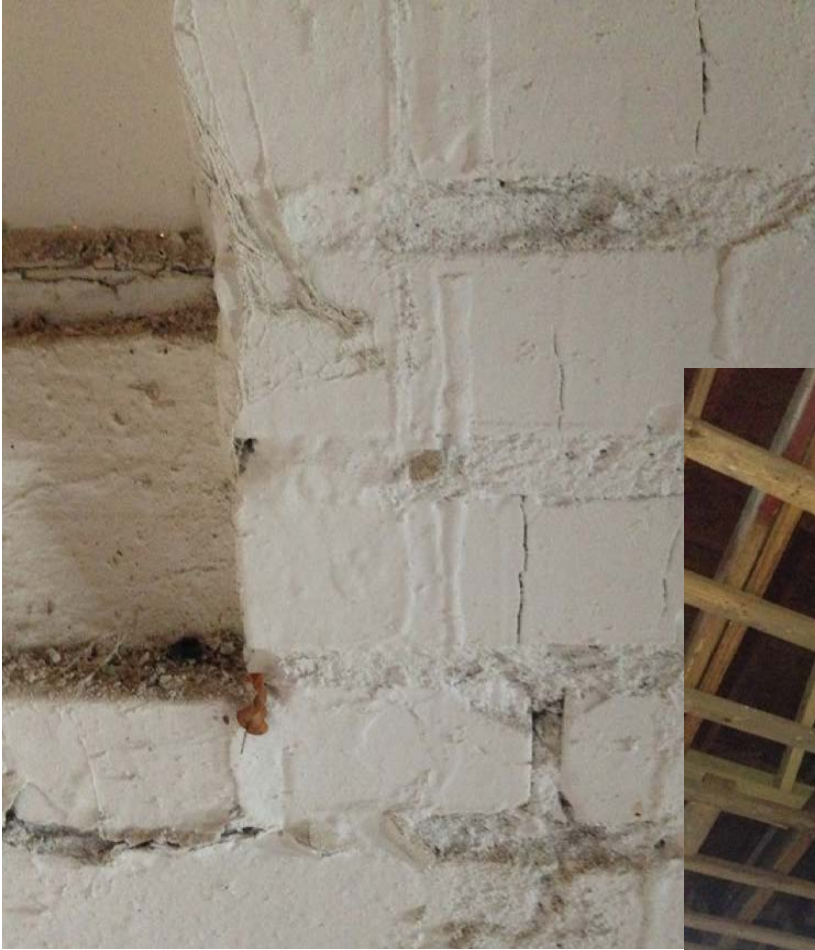
3





5





7

BREWING





**SWEETGUM
BREWING CO.**

Concept Statement:

Sweetgum Brewing Company is a microbrewery looking to open its doors in Starkville, MS. Tours of the facility and samples of the product will be able to the public, so Sweetgum needs an inviting and engaging space that will capture the public's attention. During our research, we began to notice an interesting contrast of textures and materials between the initial phases of the brewing process and the final ones. We broke the process down into five phrases to coordinate with our building's structural grid. The phrases we decided to include are raw ingredients, brewing process, fermentation, transportation, and storage. The process begins with the rustic textures and earthy tones of beer's raw ingredients: hops, yeast, and barley. These textures and colors were translated in the tasting room and main office with the inclusion of a bar front made from pieces of wood salvaged from the existing building; a color palette of greens, white, and brown; and simple furniture pieces. The other phases involve the smoother textures of the brewing and fermentation equipment, metals and plastics of large trucks, and the glass and metal of the bottles and cans. The entire process is described through a ceiling cloud that marks the main circulation of the building. The cloud's material changes from rough wood to shiny metal to smooth glass as it moves from the tasting room to the canning and kegging viewing area. Signage and walls work together to mark where these changes occur. The cloud draws the public through the space and helps create a memorable educational and social event.





11





SWEETGUM BREWING CO
STARKVILLE, MS

12 FL OZ TRAINJUMPER
BLONDE

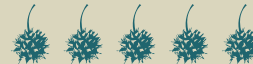
NOT YOUR MAMA'S
LIGHT BEER.



SWEETGUM BREWING CO
STARKVILLE, MS

12 FL OZ THE RIVALRY
OKTOBERFEST

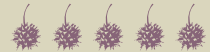
COMPETITION NEVER
TASTED SO GOOD.



SWEETGUM BREWING CO
STARKVILLE, MS

12 FL OZ GREASE MONKEY
IPA

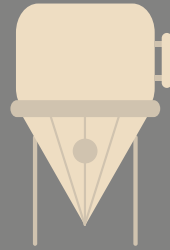
GET SOME OIL FOR
YOUR ENGINE.



13



BREWING



FERMENTATION



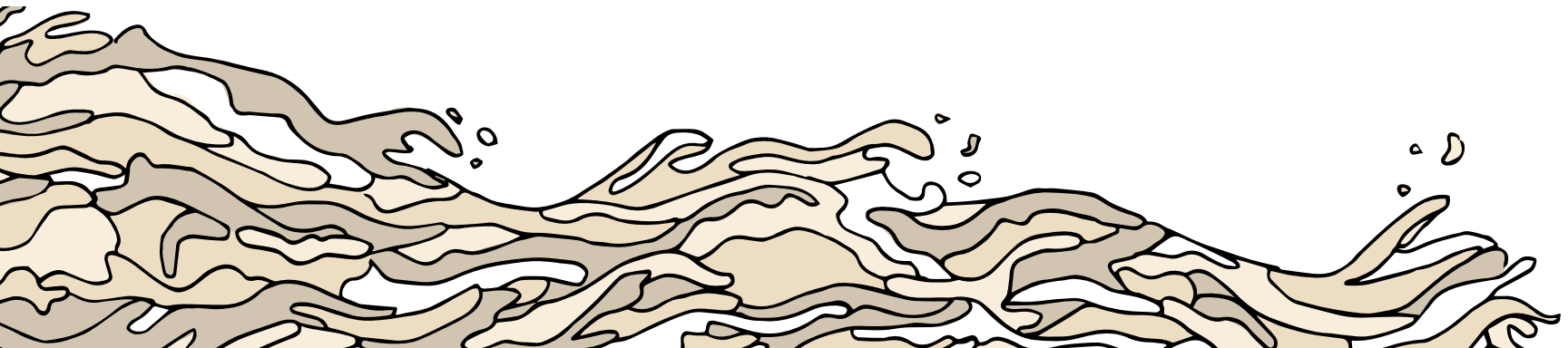
TRANSPORTATION

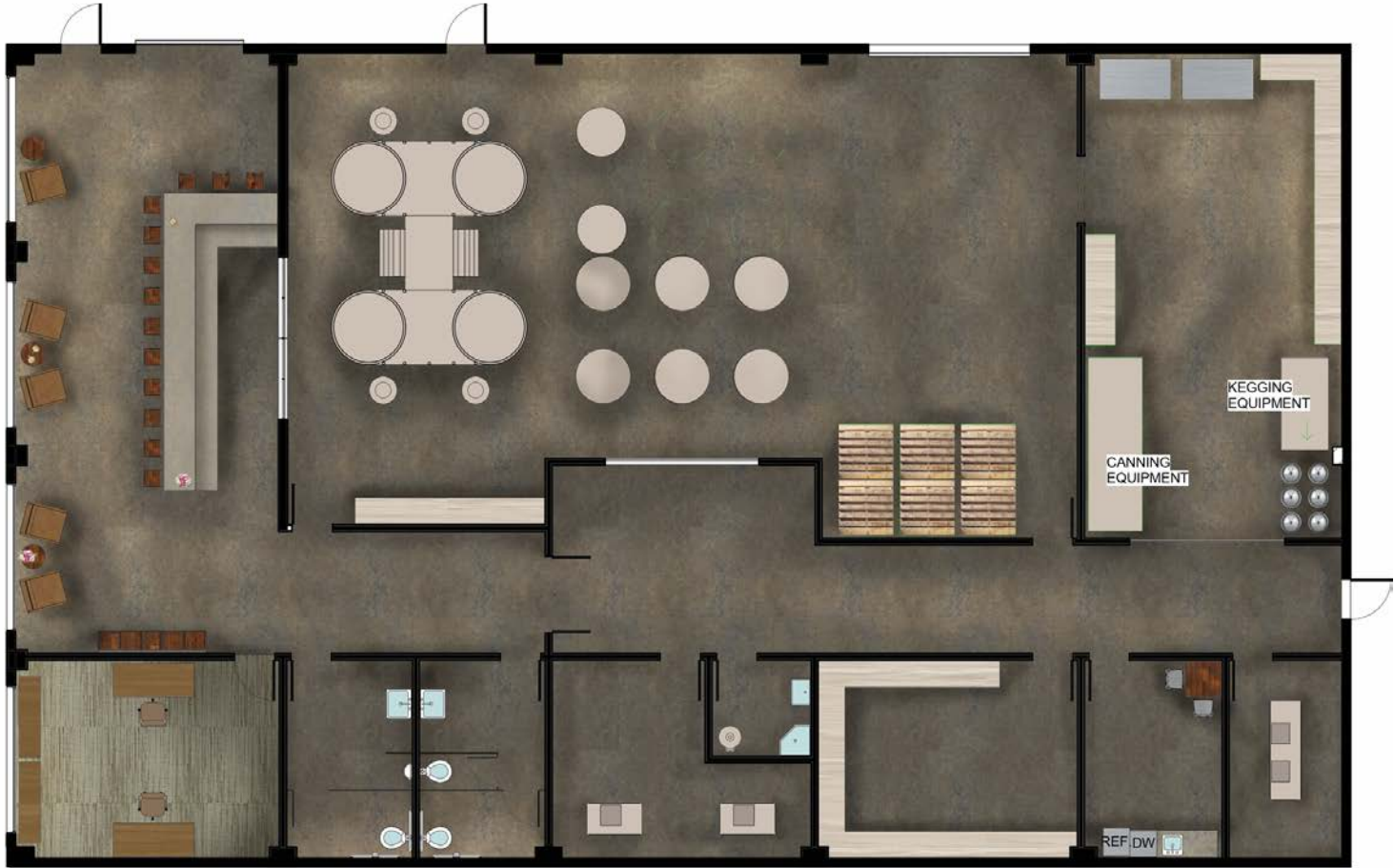




15

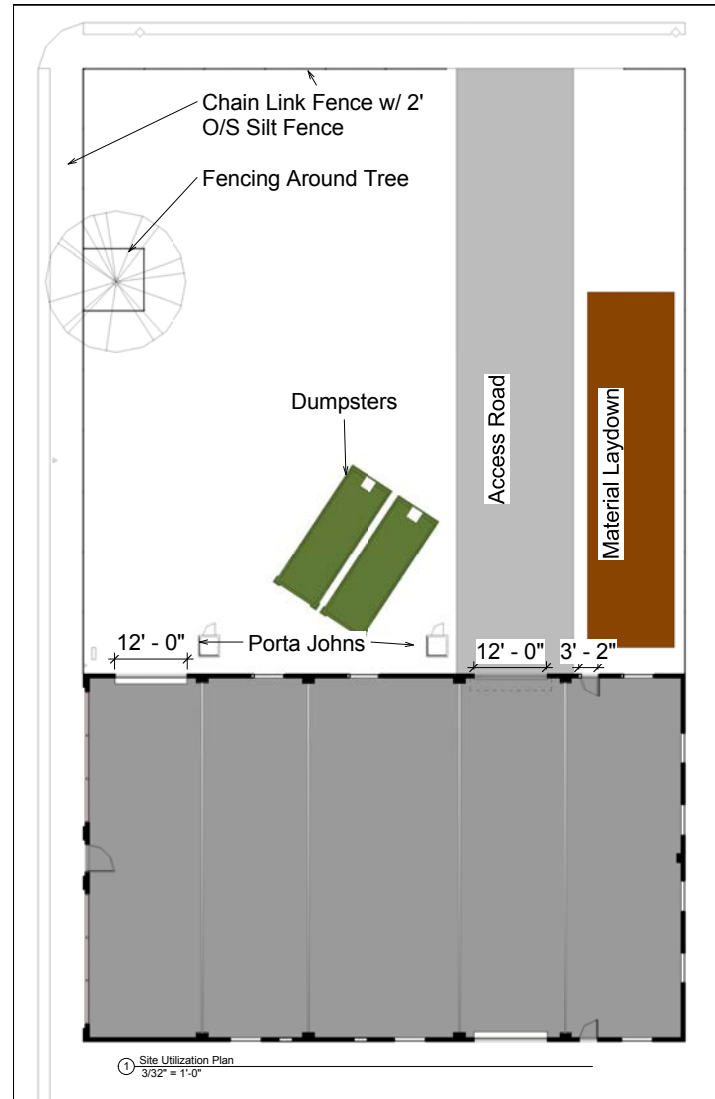
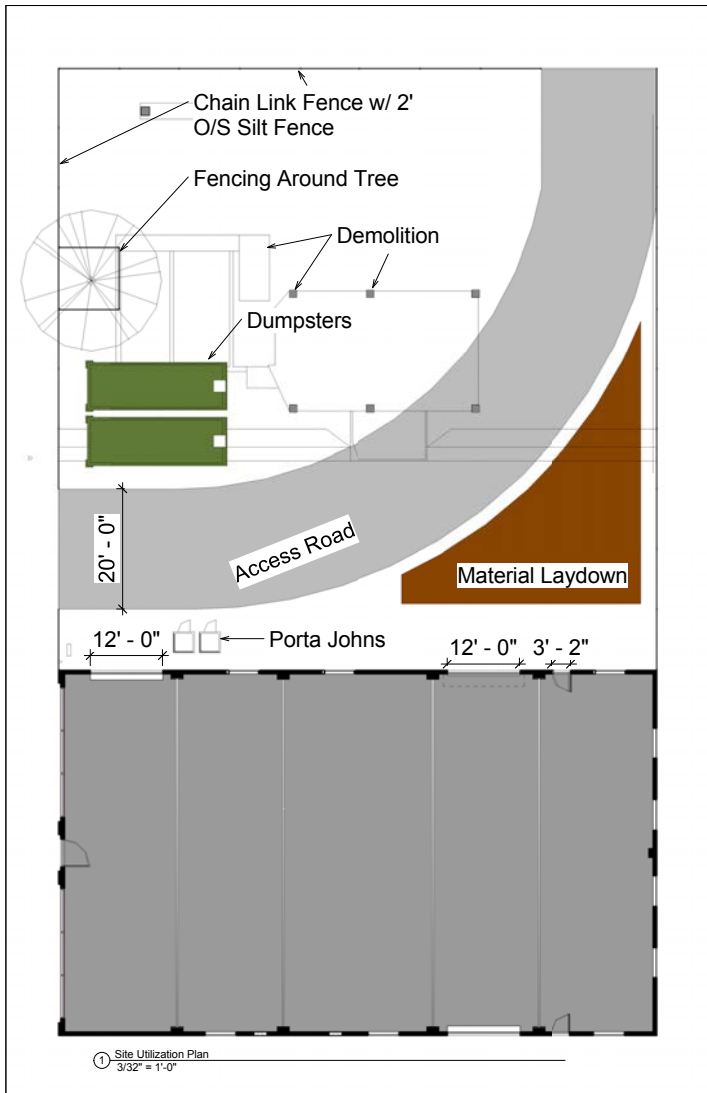
FERMENTATION

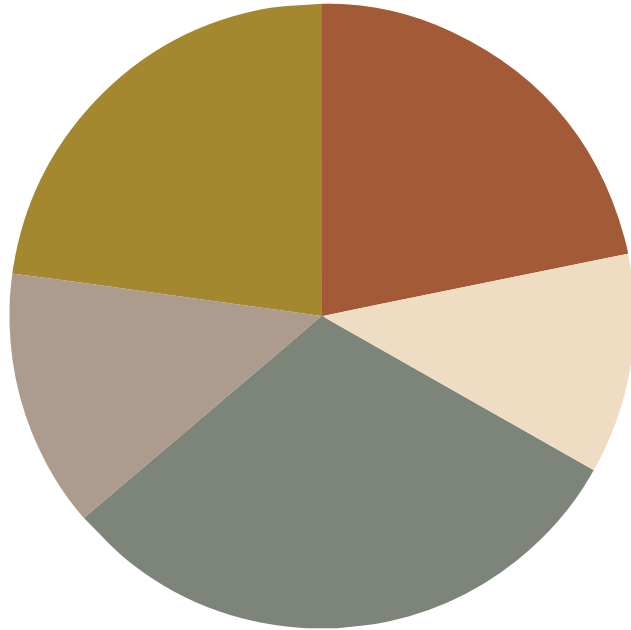




TRANSPORTATION







Total Building Cost Breakdown: \$88.64 sq.ft.

- General Conditions: \$108,000
- Sitework: \$56,500
- Exterior: \$151,500
- Interior: \$66,300
- MEP: \$113,000

Total Construction Cost: \$495,300





LEED v4 for BD+C: New Construction and Major Renovation
Project Checklist

Project Name:
Date:

Y	?	N

Credit Integrative Process 1

0 0 0 Location and Transportation 16

			Credit	LEED for Neighborhood Development Location	16
			Credit	Sensitive Land Protection	1
			Credit	High Priority Site	2
			Credit	Surrounding Density and Diverse Uses	5
			Credit	Access to Quality Transit	5
			Credit	Bicycle Facilities	1
			Credit	Reduced Parking Footprint	1
			Credit	Green Vehicles	1

0 0 0 Sustainable Sites 10

Y			Prereq	Construction Activity Pollution Prevention	Required
			Credit	Site Assessment	1
			Credit	Site Development - Protect or Restore Habitat	2
			Credit	Open Space	1
			Credit	Rainwater Management	3
			Credit	Heat Island Reduction	2
			Credit	Light Pollution Reduction	1

0 0 0 Water Efficiency 11

Y			Prereq	Outdoor Water Use Reduction	Required
Y			Prereq	Indoor Water Use Reduction	Required
Y			Prereq	Building-Level Water Metering	Required
			Credit	Outdoor Water Use Reduction	2
			Credit	Indoor Water Use Reduction	6
			Credit	Cooling Tower Water Use	2
			Credit	Water Metering	1

0 0 0 Energy and Atmosphere 33

Y			Prereq	Fundamental Commissioning and Verification	Required
Y			Prereq	Minimum Energy Performance	Required
Y			Prereq	Building-Level Energy Metering	Required
Y			Prereq	Fundamental Refrigerant Management	Required
			Credit	Enhanced Commissioning	6
			Credit	Optimize Energy Performance	18
			Credit	Advanced Energy Metering	1
			Credit	Demand Response	2
			Credit	Renewable Energy Production	3
			Credit	Enhanced Refrigerant Management	1
			Credit	Green Power and Carbon Offsets	2

0 0 0 Materials and Resources 13

Y			Prereq	Storage and Collection of Recyclables	Required
Y			Prereq	Construction and Demolition Waste Management Planning	Required
			Credit	Building Life-Cycle Impact Reduction	5
			Credit	Building Product Disclosure and Optimization - Environmental Product Declarations	2
			Credit	Building Product Disclosure and Optimization - Sourcing of Raw Materials	2
			Credit	Building Product Disclosure and Optimization - Material Ingredients	2
			Credit	Construction and Demolition Waste Management	2

0 0 0 Indoor Environmental Quality 16

Y			Prereq	Minimum Indoor Air Quality Performance	Required
Y			Prereq	Environmental Tobacco Smoke Control	Required
			Credit	Enhanced Indoor Air Quality Strategies	2
			Credit	Low-Emitting Materials	3
			Credit	Construction Indoor Air Quality Management Plan	1
			Credit	Indoor Air Quality Assessment	2
			Credit	Thermal Comfort	1
			Credit	Interior Lighting	2
			Credit	Daylight	3
			Credit	Quality Views	1
			Credit	Acoustic Performance	1

0 0 0 Innovation 6

			Credit	Innovation	5
			Credit	LEED Accredited Professional	1

0 0 0 Regional Priority 4

			Credit	Regional Priority: Specific Credit	1
			Credit	Regional Priority: Specific Credit	1
			Credit	Regional Priority: Specific Credit	1
			Credit	Regional Priority: Specific Credit	1

0 0 0 TOTALS Possible Points: 110

Certified: 40 to 49 points, **Silver:** 50 to 59 points, **Gold:** 60 to 79 points, **Platinum:** 80 to 110

21

CANNING





MODIST

23



