### Emily Pearson University of Arkansas Architecture Portfolio

#### Academic Work

First Year Summer Studio Second Year Spring Studio Third Year Fall Studio

#### **Travel Sketches**

Tulsa, OK/Eureka Springs, AR Houston, TX

#### Interior Design Minor

History of Interior Design Interior Materials

#### Photography

Dance Photography Recreational Photography

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Third Year Fall Studio August 2024 - December 2024 Housing + 6-11 Houses + 12-15

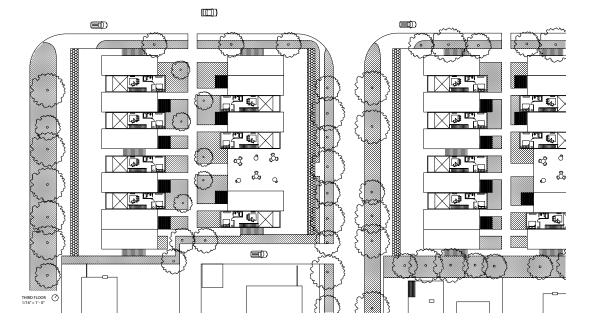
## HOUSING +

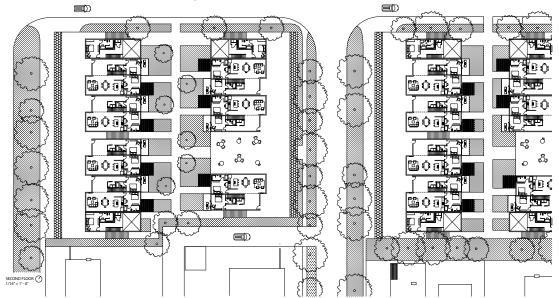
Housing + was a partner project turning multiple lots in the historic Mar Vista neighborhood into a housing complex. The parts of the project I worked extently on were the floor plans, site plan, wall-section perspective, and diagrams for zoning, accessibility, building code, and the project scope and program.



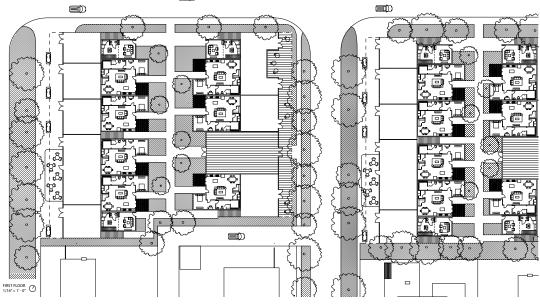


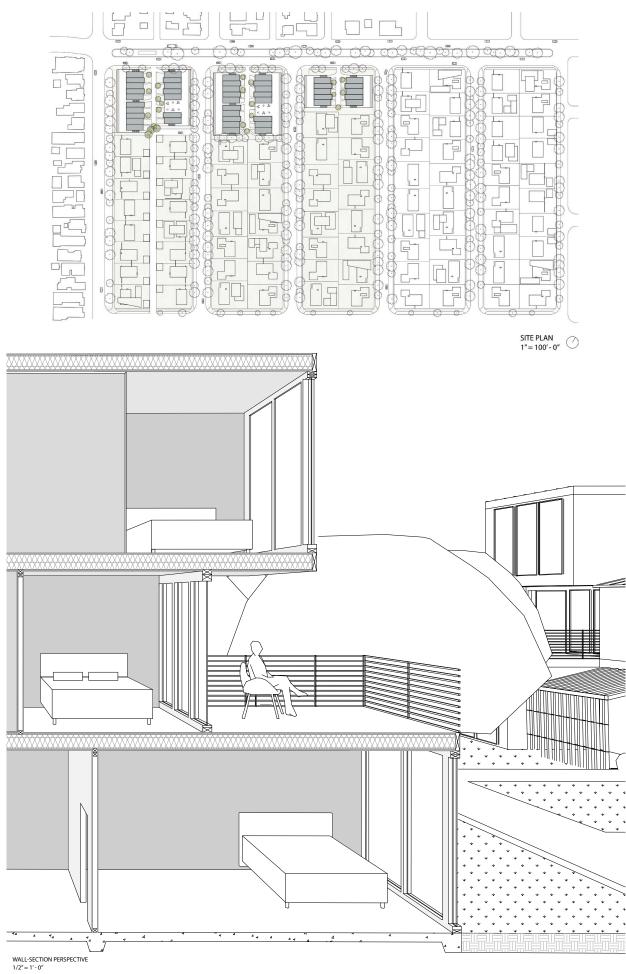


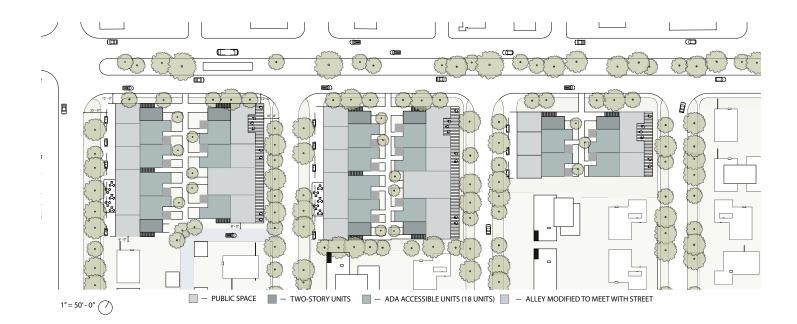


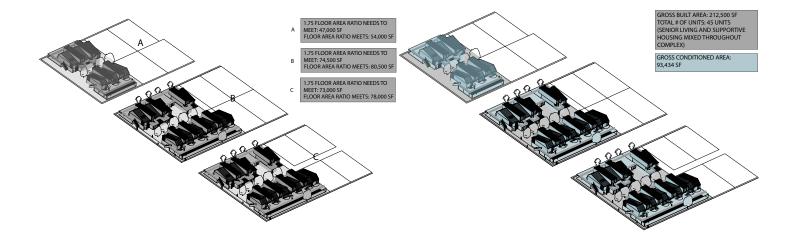


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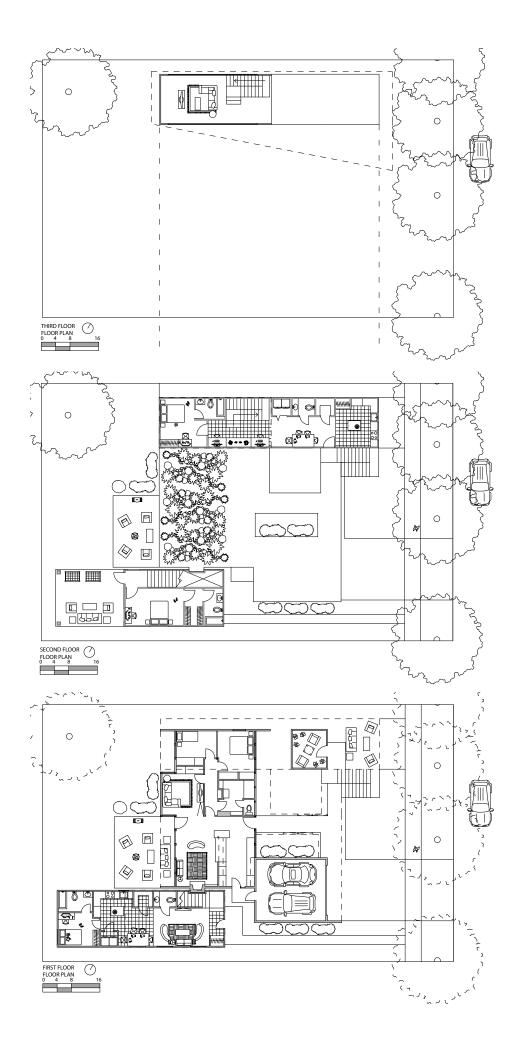


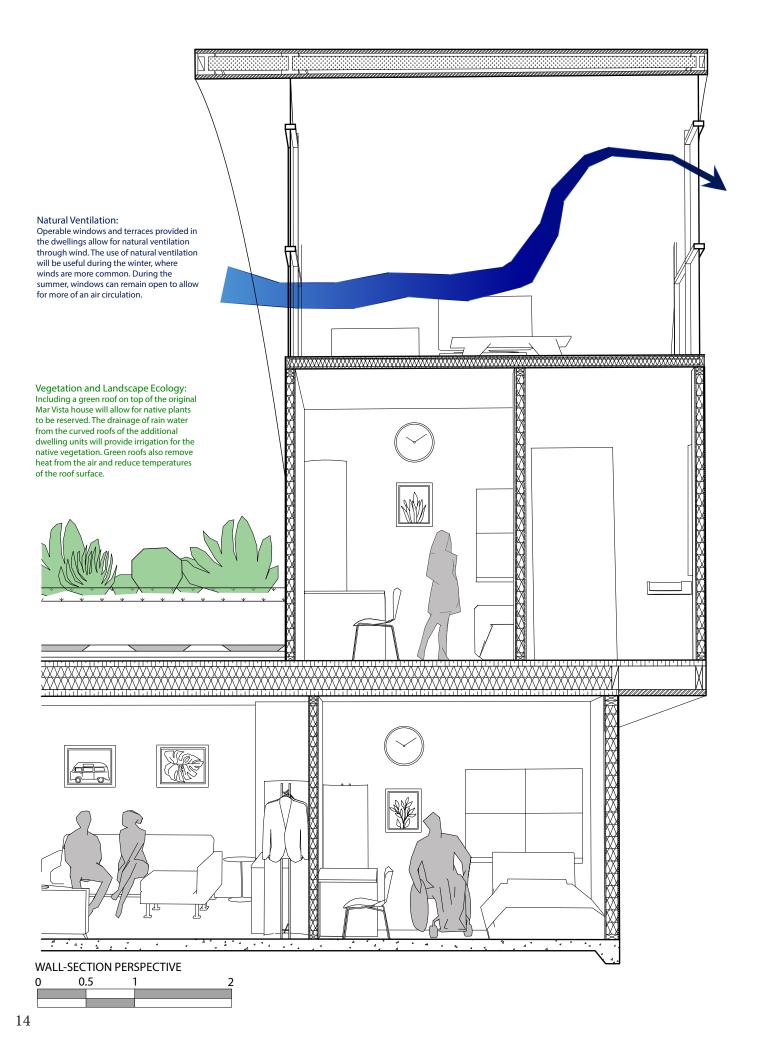




## HOUSES +

Houses + was an expansion on research done on an individual house in the Mar Vista neighborhood in Los Angeles. Two additional dwelling units were to be added to the lot in a sustainable and efficient manner.

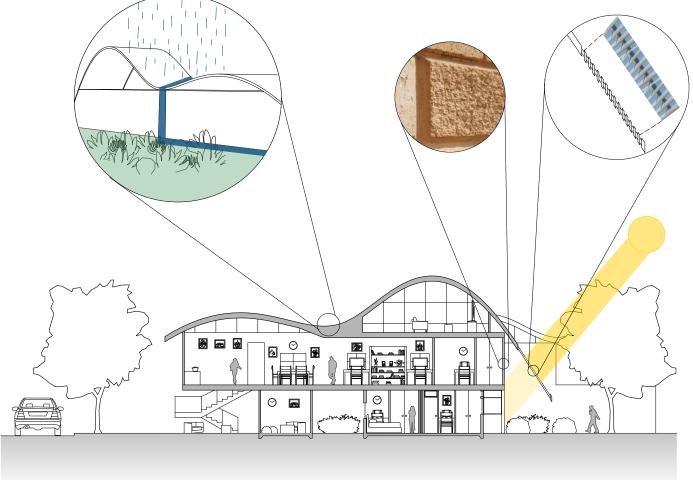




Water Collection and Conservation: Having curved roofs allows for rain water to flow down the slope of the roof towards a drainage pipe. The drainage pipe will then direct the rain water into the ground to allow for conservation due to the scarcity of water. The water flows across the roof of the original Mar Vista house, providing water for the green roof and vegetation, then flows down the side to the lawn.

Sustainable Material: Using Timbercrete as the exterior material for the dwelling units allows for better insulation, more fire-resistance, and a longer life-span. Timbercrete is made of sawdust and concrete mixed together and is lighter than regular concrete, making it easier to transport. The sawdust replaces compo-nents in concrete that are most energy intensive to produce, making it a green material. material.

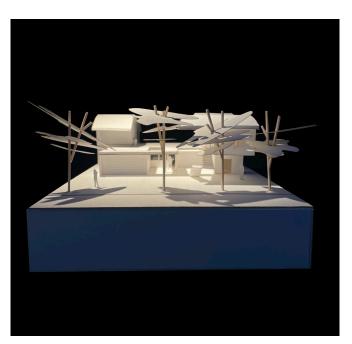
Daylight, Sunlight, and Shading: The tall curve of the roofs allows for large windows to be put in to let sunlight into the dwelling units. The intensity of the Los Angeles sun can be high, so the windows will be slightly diffusing. The height of the buildings also allow for shading to certain parts of the property, depending on the orientation of the sun.



**BUILDING SECTION** 0 4 8

16 T 





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Case Study 24-27

## **PERFORMING PUBLICS**

Performing Publics was a project based around designing a performing arts center in St. Louis, Missouri. It would address views of Downtown and the Gateway Arch, as well as integrating people into a public space and creating an inviting lobby.

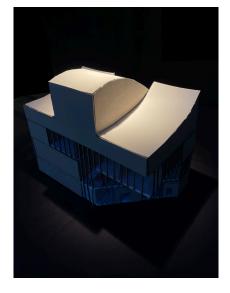




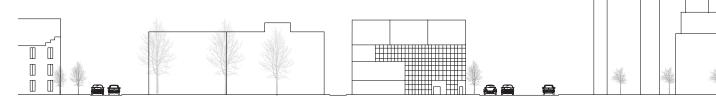






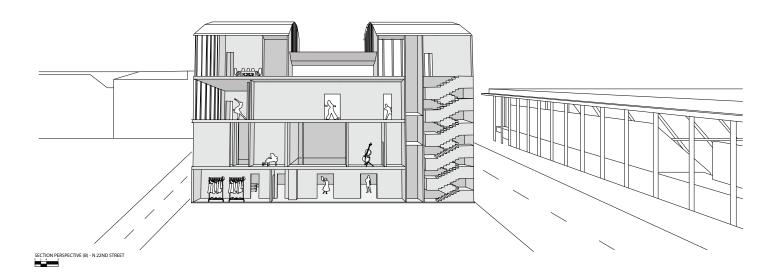


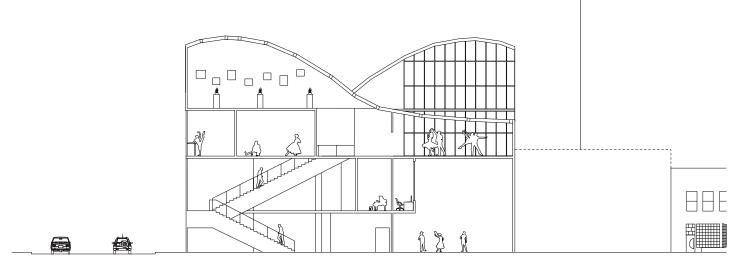
22ND STREET ELEVATION 0 8 16 32 64

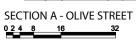


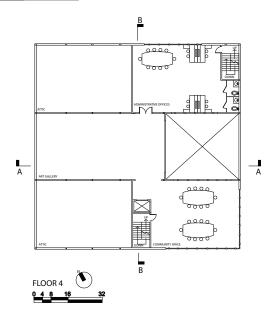
OLIVE STREET ELEVATION

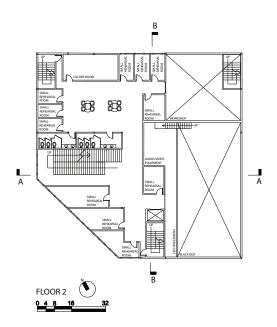


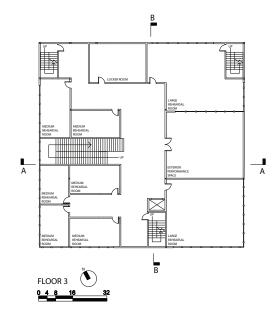


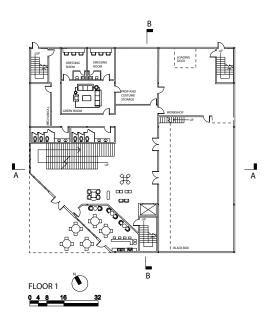






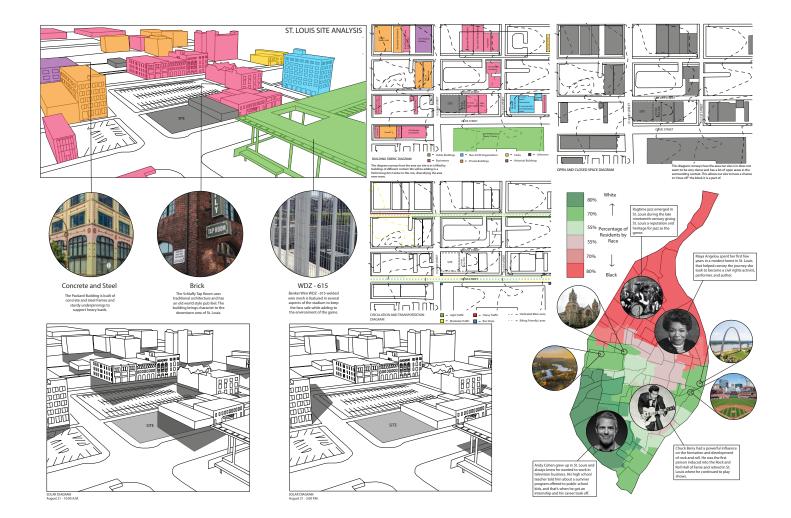






## SITE ANALYSIS

Site Analysis was an investigation of the site and what life is like in St. Louis. It was also an exploration of study models and what configurations could be made for the art center.

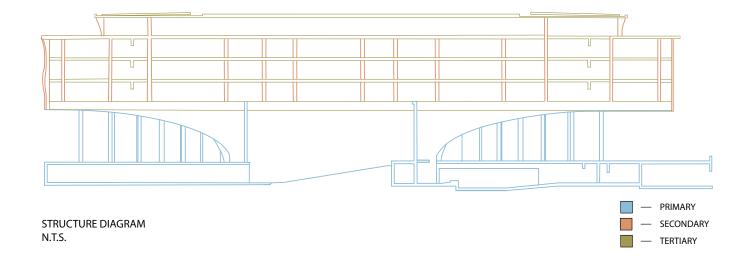


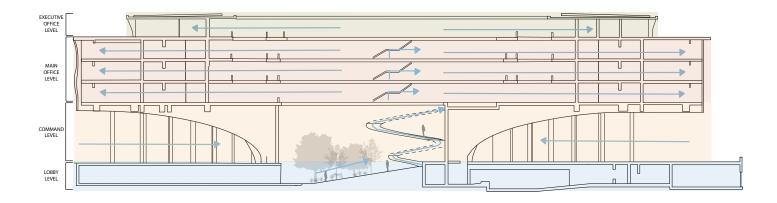




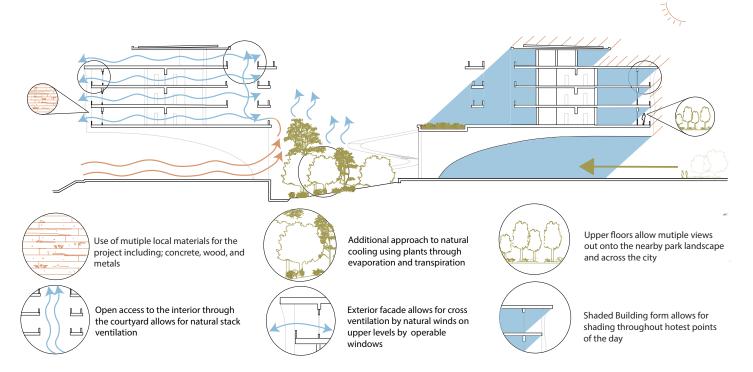
## **CASE STUDY**

The Case Study was a partner precedent study on the Benin National Assembly. The parts of the project I worked extently on were the section and the structure, circulation, and envelope diagrams.



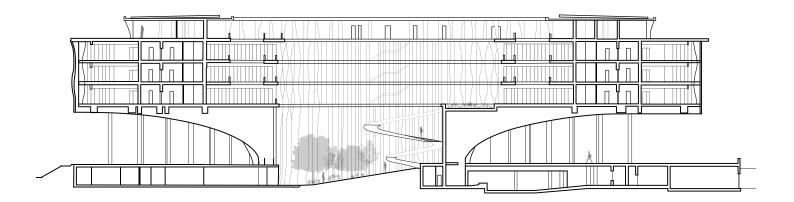


### CIRCULATION DIAGRAM N.T.S.

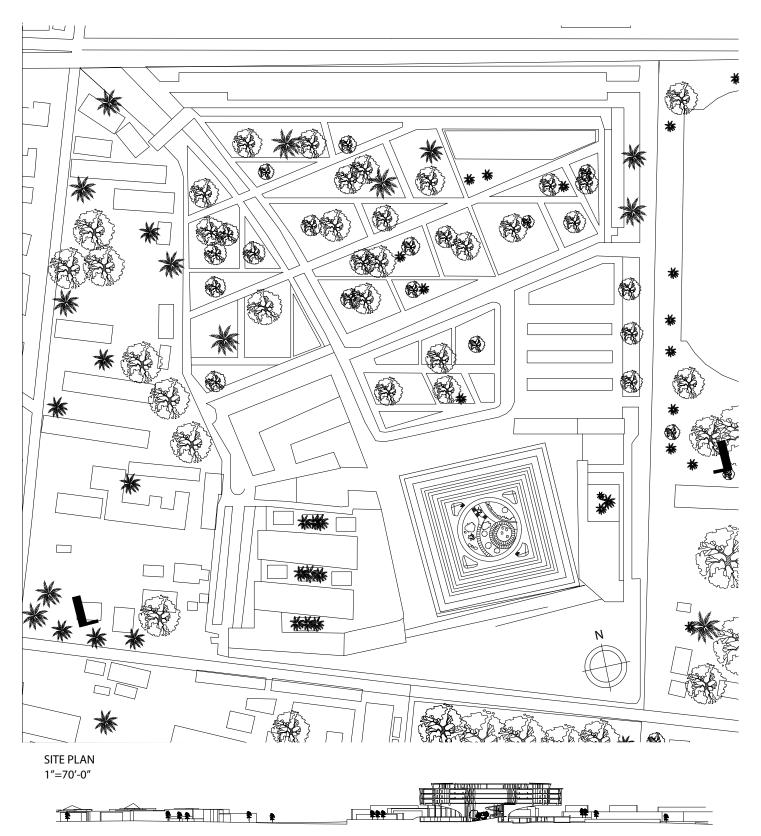


ENVELOPE DIAGRAM N.T.S.











0' 17.5' 35' 70' 140' 2

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First Year Summer Studio June 2023 - August 2023 Experience and Perception 30-31 Tall Order 32-35

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### **EXPERIENCE AND PERCEPTION**

Experience and Perception began with drawing perspectives - first, from different angles in a box, then second, in a real space. There was also a tonal rendering, drawing detail and shading using different tones of a picture taken of an object with texture. Finally, working with charcoal, drawing furniture and continuing to work with tone.



### **TALL ORDER**

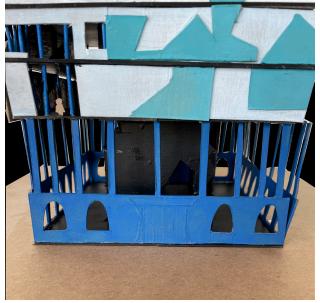
Tall Order began with value studies using charcoal, pastels, and goauche. By layering the weaving, cubic figures, and tonal renderings, a facade was created. Choosing one of these layers, a black-and-white value study and a color study were created for the facade. During the construction of the tower, a crown and entry were taken into consideration.















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Travel Sketches June 2023 September 2023 Tulsa, OK/Eureka Springs, AR 38-39 Houston, TX 40-41



## TULSA, OK/EUREKA SPRINGS, AR

In June 2023, the architecture department took a field trip to Tulsa, Oklahoma to see Price Tower and Philtower. We also visited Eureka Springs, Arkansas to see Thorncrown Chapel , and on the way there we stopped in Rogers, Arkansas to see Thaden Barn. While visiting these places, we were to capture perspectives and parts of the building that were important or caught our eye.







### HOUSTON, TX

In September 2023, the architecture department took a field trip to Houston, Texas to visit The Museum of Fine Arts, The Rothko Chapel, The Menil Collection, University of St. Thomas, Rice University, Houston Endowment, The POST, and to do perspective drawings of the streets and city scape. On the way back, we stopped in Dallas, Texas at the Kimbell Art Museum. While visiting these places, we were to document the buildings and details through sketches.



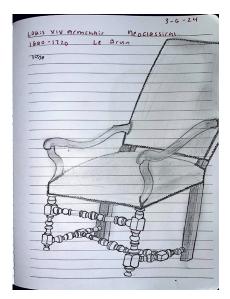
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Interior Design Minor January 2024 - December 2024

> History of Interior Design 44-45 Interior Materials 46-49













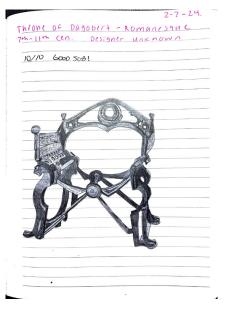
## **HISTORY OF INTERIOR DESIGN**

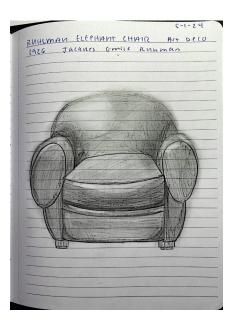
In History of Interior Design, each week there would be a furniture piece that had to be sketched. These began with more historical furniture pieces and led to more recent furniture pieces.



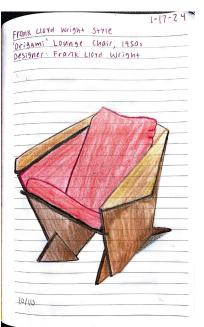


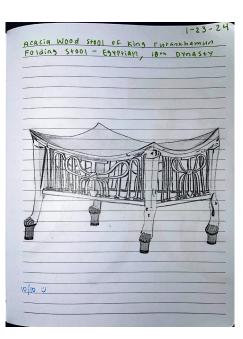














### **INTERIOR MATERIALS**

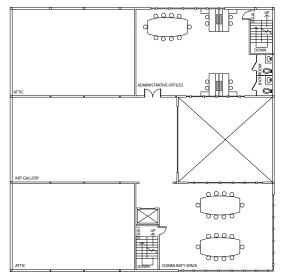
In Interior Materials, the final project was to take a space we had previously designed and assign a material palette to the spaces and make a schedule for the materials.

### MATERIALS:

1) Laminate Wood 2) Wood Veneer Acoustic Panel 3) Charcoal Felt Panel Fabric 4) Honed Ciclo Crystal Concrete 5) Vinyl Wood 6) Flint Maple Engineered Commercial Hardwood 7) Maple Stacked Wood 8) Titanium Pearl Natural Stone 9) Waterfall Polyester and **Rayon Textile** 10) Liberty Wool and Polyester Textile 11) Modular Brick









#### FINISH SCHEDULE

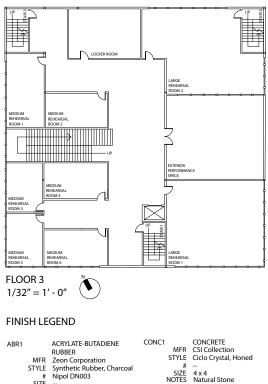
CDACE #	SPACE # SPACE NAME		WALL		WAL	LS		CL C	NOTES	
SPACE #	SPACE NAME	FLOOR	BASE	N	E	S	W	CLG		
400	ART GALLERY	CONC1	RB1	BR1	BR1	BR1	BR1	STN1*	*exposed raw stone roofing to allow space for HVAC and electrical systems	
401	ATTIC	WOD5	PNT1	WOD6	WOD6	WOD6	WOD6	WOD6		
402	STAIRCASE 1	ABR1	RB1	PNT2	PNT2	PNT2	PNT2	PNT3		
403	COMMUNITY SPACE	CONC1	RB1	GLS1	GLS1	GLS1	BR1	STN1*	*exposed raw stone roofing to allow space for HVAC and electrical systems	
404	ADMINISTRATIVE OFFICES	CONC1	RB1	GLS1	BR1	GLS1	BR1	STN1*	*exposed raw stone roofing to allow space for HVAC and electrical systems	
405	BATHROOM	CONC1	RB1	CRT1	CRT1	CRT1	CRT1	WOD3		
406	STAIRCASE 2	ABR1	RB1	PNT2	PNT2	PNT2	PNT2	PNT3		
407	ATTIC	WOD5	PNT1	WOD6	WOD6	WOD6	WOD6	WOD6		

#### FINISH LEGEND

ABR1	MFR STYLE # SIZE	Nipol DN003	GLS1	MFR	Tempered Glass ASTM C1036 4mm Thick	RB1 S
BR1	MFR STYLE # SIZE	Copolymer resistant to oil BRICK McNear Brick and Block Galvanized Steel, Face Bricks Modular Bricks 2 1/4" x 7 5/8" Exceed standards of ASTM A653	PNT1	# SIZE	PAINT Miller Paint Acro HP, Eggshell White 115-3-05  Ultra-Low VOC resin	STN1
CONC	MFR STYLE # SIZE	CONCRETE CSI Collection Ciclo Crystal, Honed  4 x 4 Natural Stone	PNT2	MFR STYLE # SIZE NOTES	Acro Pure, Satin White 110410  Ultra-Low VOC resin	WOD3
CRT1	#	CERAMIC TILE AKDO Origin Birch White CR1911-RT10M0 10 1/2"x 2 1/2" Matte Finish	PNT3	STYLE # SIZE NOTES	PAINT Miller Paint Evolution, Soft Sheen White 100405  Advanced resin system	WODS

		RUBBER COVE BASE
		Armstrong Flooring
		Coved Stick, Ebony
		R41EB
	SIZE	4" x 48" Thermoplastic rubber
	NULES	Thermoplastic rubber
V1		STONE
	MFR	Polycor Natural Stone
	STYLE	Raw
	#	Titanium Pearl
	SIZE	
	NOTES	Tight-grained, Stable
003		WOOD
05		Mohawk Group
	STYLE	
		41 Flint Maple
		5" x 9"-84"
	NOTES	Enhanced Urethane Finish
)D5		WOOD
000		Handprint
		Attic Pine Oriented Strand Board
	#	
	C175	

SIZE 5/8" x 2' x 4' NOTES Load Strength and Durability



FLT1

#### **FINISH SCHEDULE**

	SPACE # SPACE NAME		WALL		WAL	LS		CLG	NOTES
SPACE #	SPACE NAME	FLOOR	BASE	Ν	E	S	W	CLG	
300	MEDIUM REHEARSAL ROOM 1	WOD4	PNT1	FLT1	FLT1	FLT1	GLS1	WOD3	
301	MEDIUM REHEARSAL ROOM 2	WOD4	PNT1	FLT1	FLT1	FLT1	FLT1	WOD3	
302	MEDIUM REHEARSAL ROOM 3	WOD4	PNT1	FLT1	FLT1	FLT1	GLS1	WOD3	
303	MEDIUM REHEARSAL ROOM 4	WOD4	PNT1	FLT1	FLT1	FLT1	FLT1	WOD3	
304	MEDIUM REHEARSAL ROOM 5	WOD4	PNT1	FLT1	FLT1	GLS1	GLS1	WOD3	
305	MEDIUM REHEARSAL ROOM 6	WOD4	PNT1	FLT1	FLT1	GLS1	FLT1	WOD3	
306	STAIRCASE 1	ABR1	RB1	PNT2	PNT2	PNT2	PNT2	PNT3	
307	LARGE REHEARSAL ROOM 1	WOD4	PNT1	FLT1	GLS1	GLS1	FLT1	WOD3	
308	LARGE REHEARSAL ROOM 2	WOD4	PNT1	GLS1	GLS1	GLS1	FLT1	WOD3	
309	STAIRCASE 2	ABR1	RB1	PNT2	PNT2	PNT2	PNT2	PNT3	
310	LOCKER ROOM	CONC1	RB1	BR1	BR1	BR1	BR1	STN1*	*exposed raw stone roofing to allow space for HVAC and electrical systems
311	STAIRCASE 3	ABR1	RB1	PNT2	PNT2	PNT2	PNT2	PNT3	

Ħ	LARGE REHEARSAL ROOM 1	ا ن <u>ۍ ه ه ه ه ه</u>	GLS1	STYLE # SIZE	GLASS Glaz-Tech Industries Tempered Glass ASTM C1036 4mm Thick Safety Glass	PNT3	# SIZE	PAINT Miller Paint Evolution, Soft Sheen White 100405  Advanced resin system	WOD3	MFR STYLE	5" x 9"-84"
	STYLE # SIZE	CONCRETE CSI Collection Ciclo Crystal, Honed  4 x 4 Natural Stone	PNT1	MFR STYLE # SIZE NOTES		RB1	# SIZE	RUBBER COVE BASE Armstrong Flooring Coved Stick, Ebony R41EB 4*x 48" Thermoplastic rubber	WOD4	# SIZE	WOOD Porcelanosa 1L Smooth, Laminado 100114127 - L167011832 7 1/2 <sup>+</sup> x 49 5/8 <sup>+</sup> x 1/4 <sup>+</sup> Extreme resilience
I	STYLE #	FELT DesignTex Charcoal, Panel Fabric AM003-804 70° Wide Rapidly renewable material	PNT2	STYLE	PAINT Miller Paint Acro Pure, Satin With 110410  Ultra-Low VOC resin	STN1	STYLE # SIZE	STONE Polycor Natural Stone Raw Titanium Pearl  Tight-grained, Stable			

BR1

SIZE --NOTES Copolymer resistant to oil

 BRICK
 FL

 MFR
 McNear Brick and Block

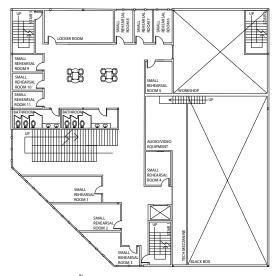
 STYLE
 Galvanized Steel, Face Bricks

 #
 Modular Bricks

 SIZE
 21/4" x 75/8"

 NOTES
 Exceed standards of ASTM A653

BRICK



FLOOR 2 1/32" = 1' - 0"

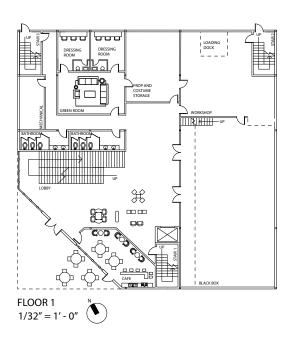
#### **FINISH LEGEND**

ABR1		ACRYLATE-BUTADIENE RUBBER		BRICK McNear Brick an
	MFR	Zeon Corporation	STYLE	Galvanized Stee
	STYLE	Synthetic Rubber, Charcoal	#	Modular Bricks
	#	Nipol DN003	SIZE	2 1/4" x 7 5/8"
	SIZE		NOTES	Exceed standard
	NOTES	Copolymer resistant to oil		
AP1		ACOUSTIC PANEL	CONC1	CONCRETE
	MFR	Navy Island	MFR	CSI Collection
	STYLE	Wood Veneer, Sintered	STYLE	Ciclo Crystal, He
		Resin-Reinforced Glass Wool	#	

Walnut ASTM-E84 SIZE 60" x 144" NOTES Absorb and block sound

MFR	McNear Brick and Block
STYLE	Galvanized Steel, Face Bricks
#	Modular Bricks
	2 1/4" x 7 5/8"
NOTES	Exceed standards of ASTM A653
1	CONCRETE
MFR	CSI Collection
STYLE	Ciclo Crystal, Honed
#	

### SIZE 4 x 4 NOTES Natural Stone



ABR1	STYLE # SIZE	ACRYLATE-BUTADIENE RUBBER Zeon Corporation Synthetic Rubber, Charcoal Nipol DN003 ~ Copolymer resistant to oil	# SIZE	BRICK McNear Brick and Block Galvanized Steel, Face Bricks Modular Bricks 2 1/4"x 7 5/8" Exceed standards of ASTM A653
AP1	# SIZE	ACOUSTIC PANEL Navy Island Wood Veneer, Sintered Resin-Reinforced Glass Wool Walnut ASTM-E84 60"x 144" Absorb and block sound		

#### FINISH SCHEDULE

SPACE #		SPACE NAME	FLOOR	WALL		WAL	LS		CLG	NOTES
SPACE #		SPACE NAME	FLOOR	BASE	N	E	S	W	CLG	10125
200	SMA	LL REHERSAL ROOM 1	WOD4	PNT1	FLT1	FLT1	FLT1	GLS1	WOD3	
201	SMA	LL REHERSAL ROOM 2	WOD4	PNT1	FLT1	FLT1	FLT1	GLS1	WOD3	
202	SMA	LL REHERSAL ROOM 3	WOD4	PNT1	FLT1	FLT1	GLS1	GLS1	WOD3	
203		STAIRCASE 1	ABR1	RB1	PNT2	PNT2	PNT2	PNT2	PNT3	
204	Т	ECH MEZZANINE	WOD4	PNT1	FLT1	FLT1	FLT1	FLT1	AP1	
205	AUDI	O/VIDEO EQUIPMENT	CONC1	RB1	PNT2	PNT2	PNT2	PNT2	PNT3	
206		BLACKBOX	WOD4	PNT1	FLT1	FLT1	FLT1	FLT1	AP1	
207	SMA	LL REHERSAL ROOM 4	WOD4	PNT1	FLT1	FLT1	FLT1	FLT1	WOD3	
208	SMA	LL REHERSAL ROOM 5	WOD4	PNT1	FLT1	FLT1	FLT1	FLT1	WOD3	
209		WORKSHOP	CONC1	RB1	BR1	BR1	BR1	BR1	STN1*	*exposed raw stone roofing to allow space for HVAC and electrical systems
210		STAIRCASE 2	ABR1	RB1	PNT2	PNT2	PNT2	PNT2	PNT3	
211	SMA	LL REHERSAL ROOM 6	WOD4	PNT1	FLT1	FLT1	FLT1	FLT1	WOD3	
212	SMA	LL REHERSAL ROOM 7	WOD4	PNT1	FLT1	FLT1	FLT1	FLT1	WOD3	
213	SMA	LL REHERSAL ROOM 8	WOD4	PNT1	FLT1	FLT1	FLT1	FLT1	WOD3	
214		LOCKER ROOM	CONC1	RB1	BR1	BR1	BR1	BR1	STN1*	*exposed raw stone roofing to allow space for HVAC and electrical systems
215	STAIRCASE 3		ABR1	RB1	PNT2	PNT2	PNT2	PNT2	PNT3	
216	SMA	LL REHERSAL ROOM 9	WOD4	PNT1	FLT1	FLT1	FLT1	FLT1	WOD3	
217		LL REHERSAL ROOM 10	WOD4	PNT1	FLT1	FLT1	FLT1	FLT1	WOD3	
218	SMA	LL REHERSAL ROOM 11	WOD4	PNT1	FLT1	FLT1	FLT1	FLT1	WOD3	
219		BATHROOM	CONC1	RB1	CRT1	CRT1	CRT1	CRT1	WOD3	
220		BATHROOM	CONC1	RB1	CRT1	CRT1	CRT1	CRT1	WOD3	
	STYLE # SIZE	CERAMIC TILE AKDO Origin Birch White CR1911-RT10M0 10 1/2" x 2 1/2" Matte Finish	PN	MF STYL SIZ NOTE	# Whit E S Ultra	r Paint Pure, Sati e 110410 -Low VOC		w		E Vinyl # 736 Spalding E 12"x 36"
	STYLE # SIZE	FELT DesignTex Charcoal, Panel Fabric AM003-804 70"Wide		SIZ	.E Evol # Whit /E	er Paint ution, Sof e 100405			SIZ	E Stacked Wood, Maple # IDS 0111 E 14" x 44"
GLS1	MFR STYLE # SIZE		erials RE	MI STY SIJ	RUE FR Arm LE Cov # R41 ZE 4"x	48″	BASE ooring bony	W	OD3 MFF STYLE \$ SIZE	S Recycled Wood WOOD Mohawk Group Engineered Commercial Hardwe 41 Flint Maple 5"x 9"-84" Enhanced Urethane Finish
	NOTES Safety Glass NOTES Thermoplastic rubber		W	STYLE # SIZE	WOOD Porcelanosa 1L Smooth, Laminado 100114127 - L167011832 7 1/2" x 49 5/8" x 1/4" Extreme resilience					

#### **FINISH SCHEDULE**

SPACE #	SPACE NAME	FLOOR	WALL		WAL	LS		CLG	NOTES
SPACE #	SPACE NAME	FLOOR	BASE	N	E	S	W	CLG	110125
100	LOBBY	WOD1	PNT1	WOD2	WOD2	WOD2	WOD2 GLS1	WOD3	
101	CAFE	WOD1	PNT1	WOD2	WOD2	WOD2	WOD2 GLS1	WOD3	
102	STAIRCASE 1	ABR1	RB1	PNT2	PNT2	PNT2	PNT2	PNT3	
103	BLACKBOX	WOD4	PNT1	FLT1	FLT1	FLT1	FLT1	AP1	
104	WORKSHOP	CONC1	RB1	BR1	BR1	BR1	BR1	STN1*	*exposed raw stone roofing to allow space for HVAC and electrical systems
105	STAIRCASE 2	ABR1	RB1	PNT2	PNT2	PNT2	PNT2	PNT3	
106	PROP AND COSTUME STORAGE	CONC1	RB1	PNT2	PNT2	PNT2	PNT2	PNT3	
107	GREEN ROOM	CONC1	RB1	BR1	BR1	BR1	BR1	STN1*	*exposed raw stone roofing to allow space for HVAC and electrical systems
108	DRESSING ROOM	CONC1	RB1	BR1	BR1	BR1	BR1	STN1*	*exposed raw stone roofing to allow space for HVAC and electrical systems
109	DRESSING ROOM	CONC1	RB1	BR1	BR1	BR1	BR1	STN1*	*exposed raw stone roofing to allow space for HVAC and electrical systems
110	STAIRCASE 3	ABR1	RB1	PNT2	PNT2	PNT2	PNT2	PNT3	
111	MECHANICAL	CONC1	RB1	PNT2	PNT2	PNT2	PNT2	PNT3	
112	BATHROOM	CONC1	RB1	CRT1	CRT1	CRT1	CRT1	WOD3	
113	BATHROOM	CONC1	RB1	CRT1	CRT1	CRT1	CRT1	WOD3	

#### **FINISH LEGEND**

CRT1	MFR STYLE # SIZE NOTES		PNT2					
FLT1	#	Charcoal, Panel Fabric AM003-804 70"Wide	PNT3					
GLS1	# SIZE	Tempered Glass	RB1					
PNT1	MFR STYLE # SIZE NOTES		STN1					

MFR STYLE	PAINT Miller Paint Acro Pure, Satin
# SIZE	White 110410
NOTES	Ultra-Low VOC resin
MFR STYLE #	PAINT Miller Paint Evolution, Soft Sheen White 100405
SIZE NOTES	 Advanced resin system
MFR STYLE # SIZE NOTES	RUBBER COVE BASE Armstrong Flooring Coved Stick, Ebony R41EB 4" x 48" Thermoplastic rubber
MFR STYLE	STONE Polycor Natural Stone Raw

41EB "x 48" hermoplastic rubber	
TONE	WOD4

IFR	Polycor Natural Stone
/LE	Raw
#	Titanium Pearl

### SIZE --NOTES Tight-grained, Stable

2		WOOD
	MFR	Integrated Decor Solutions
	STYLE	Stacked Wood, Maple
	#	IDS 0111
		14" x 44"
	NOTES	Recycled Wood
3		WOOD
	MFR	Mohawk Group
	STYLE	Engineered Commercial Hardwood
	#	41 Flint Maple
		5" x 9"-84"
	NOTES	Enhanced Urethane Finish
		WOOD

WOOD MFR Mohawk Group STYLE Vinyl # 736 Spalding SIZE 12" x 36" NOTES Glue down

WOD1

WOD2

WOD3

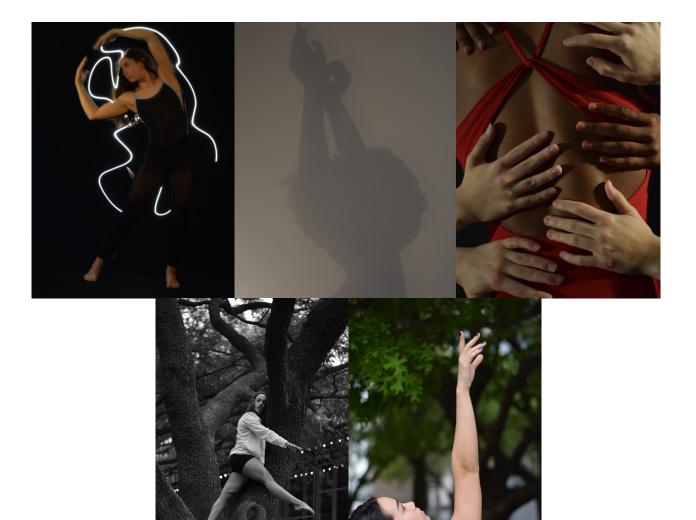
- WOOD MFR Porcelanosa STYLE 1L Smooth, Laminado # 100114127 L167011832 SIZE 71/2"x 49 5/8"x 1/4" NOTES Extreme resilience

49

## CONTENTS

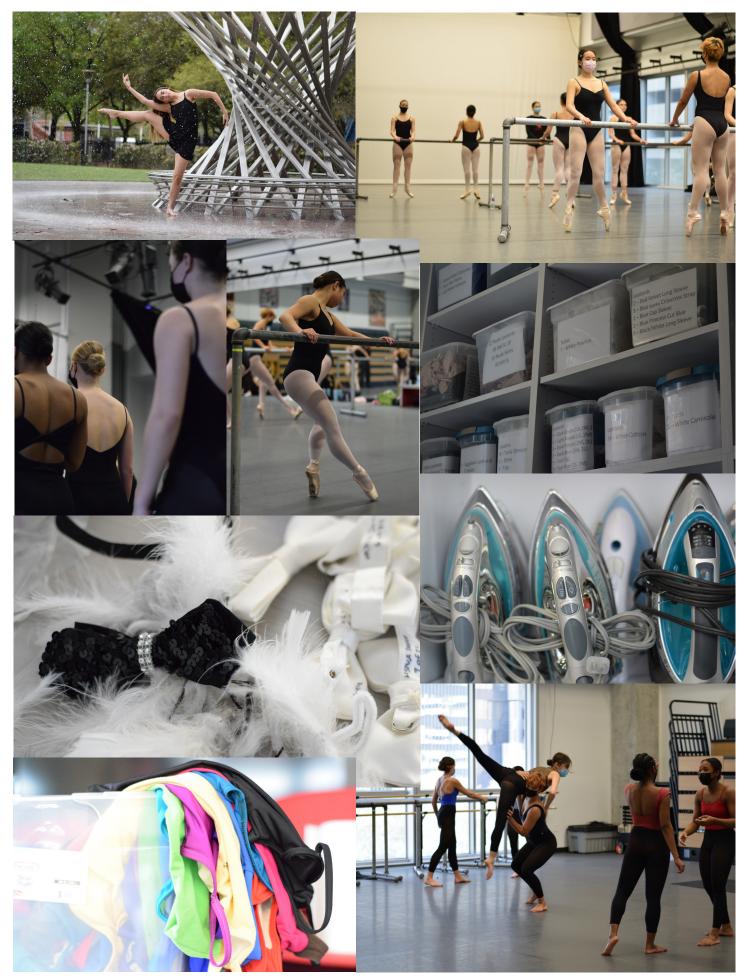
Photography January 2022 - Present

Dance Photography 52-53 Recreational Photography 54-55



### **DANCE PHOTOGRAPHY**

Dance Photography was a course I took in high school that taught me how to use a camera and frame images. I feel as though this has contributed to my architecture career because it helps me see compositions and framework. I was also awarded an "Excellence in Photgraphy" award for well-framed photos and a unique persepctive on the assignments given to us.





## **RECREATIONAL PHOTOGRAPHY**

Recreational Photography is something I like to do in my free time. Whether it's pictures of nature or buildings, I like to compose photos that are appealing to the eye.

