

ACE HOUSTON 2020

RFP Design Challenge

MINIMALIST TREEHOUSE

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Challenge

The rise in remote office work has led to an influx in social-isolation, lack of motivation, and destruction of work-life boundaries for employees. The home that was once reserved for relaxation, has become an extension of the workplace, and the stress came along with it. In my project, I decided to look for a solution that keeps employees healthy, physically and mentally, during the pandemic.



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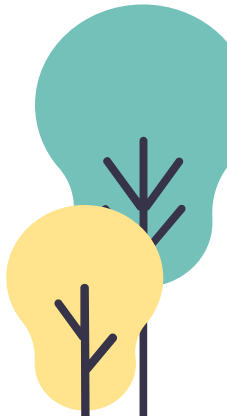
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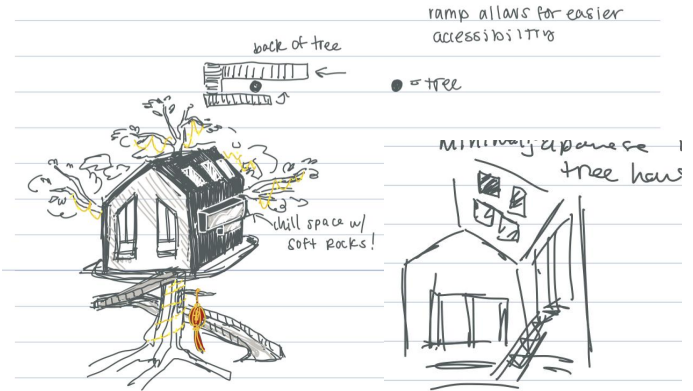
RENDERING



PROGRAM

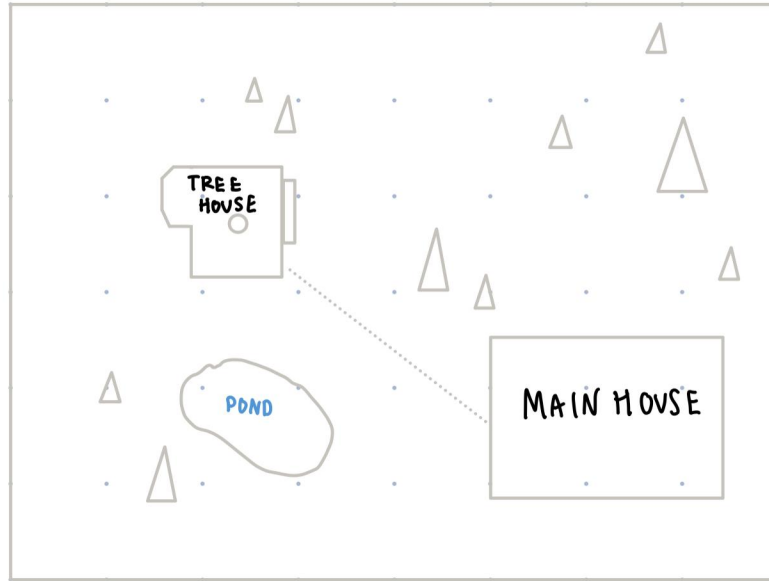
- The treehouse is intended to provide a private space to work and study away from the distraction of others while simultaneously offering “fun” areas to promote creativity and reduce burnout.
- Large windows and skylights give way to the relaxing natural scenery found on the site.

Napkin Sketch

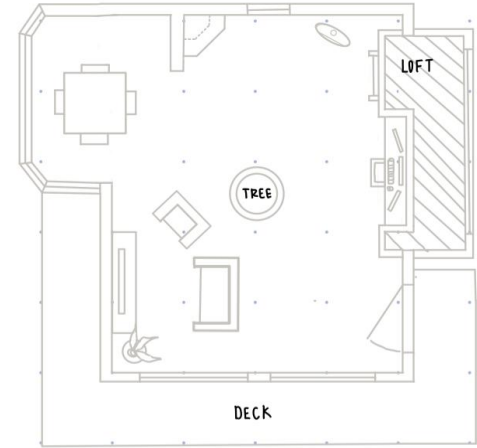


SITE & FLOOR PLAN

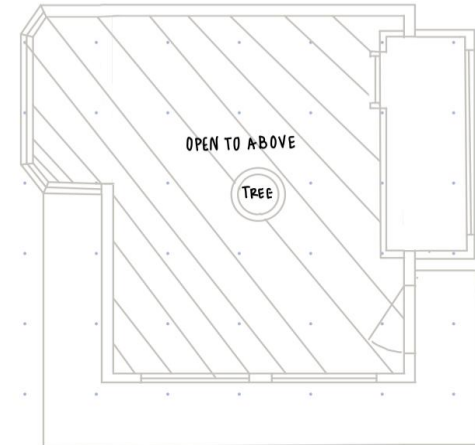
SITE



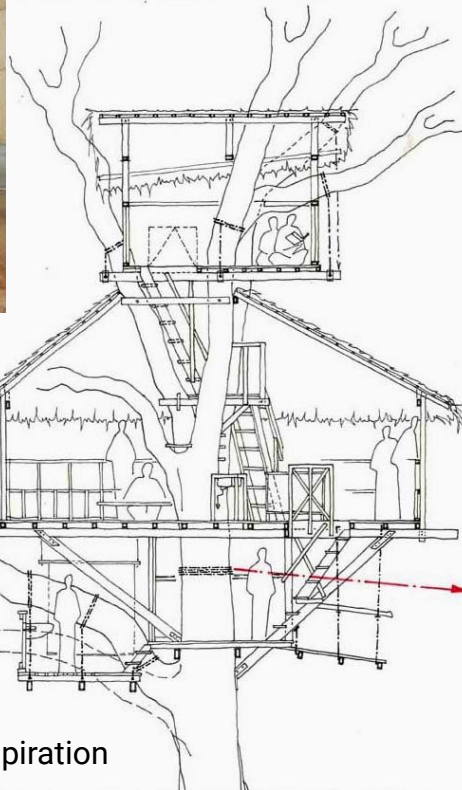
MAIN FLOOR



LOFT SPACE



STRUCTURE



- Ramp hanging from platform for support
- Brackets into the tree, all around provides main support, secondary branches provide extra support
- wood frame construction



HEALTH & WELLNESS: Bubble Mapping

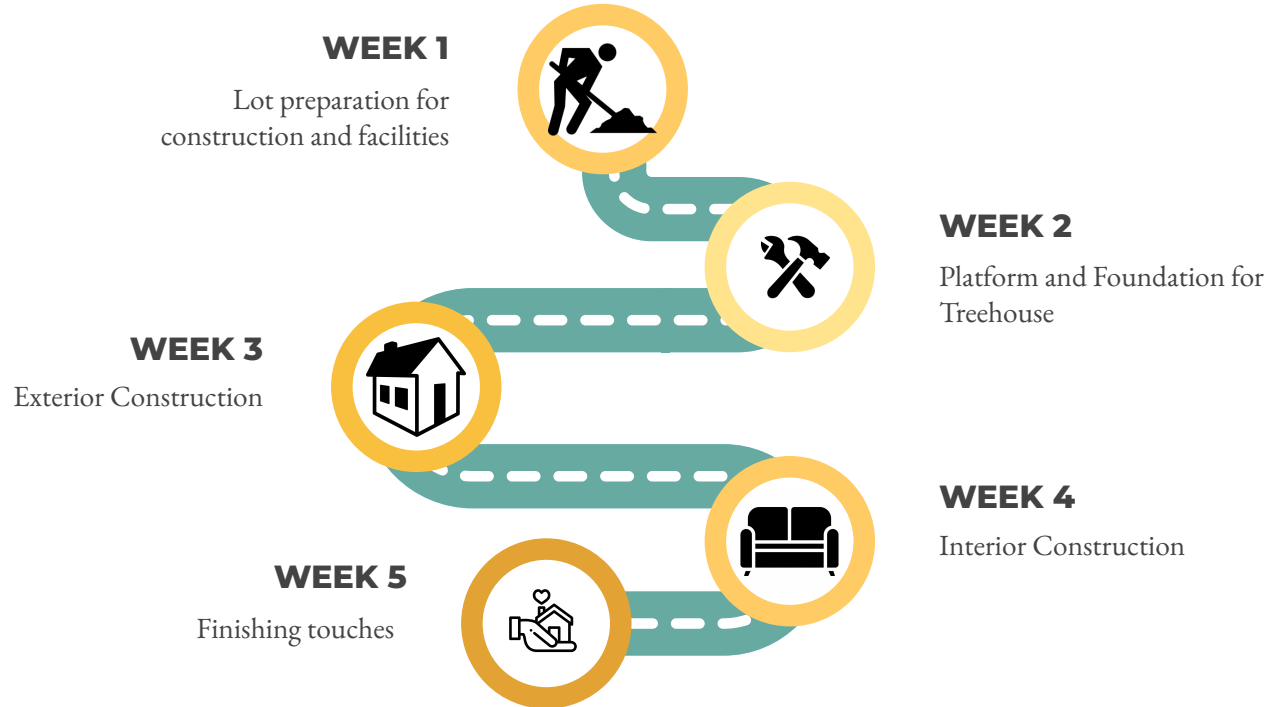


COST ESTIMATE

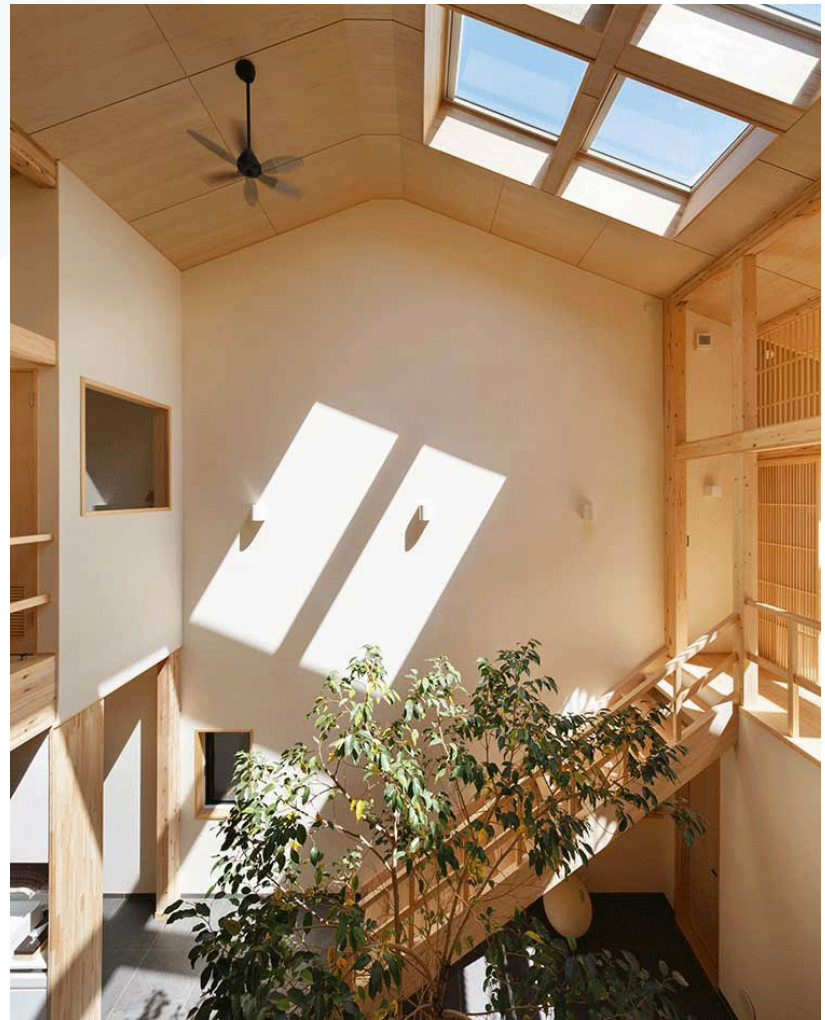
Subtotal	\$25,418.75
Unexpected Costs - Add 30%	\$7,625.63
TAX EST - ADD 10%	\$3,304.44
Total	\$36,348.81

Category	Items	Quantity	UOM	Estimated Cost	Total Estimated Cost
EXTERIOR	SKY LIGHTS	2	EA	\$350.00	\$700
EXTERIOR	FAÇADE	745	SQ FT	\$4.00	\$2,980
EXTERIOR	SUNROOM GLASS WALLS	225	SQ FT	\$25.00	\$5,625
EXTERIOR	WINDOWS	3	EA	\$300.00	\$900
EXTERIOR	WINDOWS - LOFT	1	EA	\$500.00	\$500
FLOORING	CONCRETE THIN-X	200	SQ FT	\$5.00	\$1,000
FLOORING	LOFT- LAMINATE FLOOR	70	SQ FT	\$3.50	\$245
FURNISHING	KOTATSU TABLE	1	EA	\$300.00	\$300
FURNISHING	STONE BEAN BAGS	3	EA	\$180.00	\$540
FURNISHING	LOVESEAT	1	EA	\$225.00	\$225
FURNISHING	LOUNGE CHAIR	1	EA	\$180.00	\$180
FURNISHING	DESK CHAIR	1	EA	\$80.00	\$80
INTERIOR	BUILT IN DESK AND SHELVES	1	EA	\$525.00	\$525
INTERIOR	LIGHTING: LED	15	EA	\$35.00	\$525
INTERIOR	MISC PLANTS/POTS	1	EA	\$350.00	\$350
OTHER	SOLAR PANEL	1	EA	\$335.00	\$335
OTHER	MID CENTURY FIREPLACE / CAST IRON STOVE	1	EA	\$2,500.00	\$2,500
OTHER	IRON DOOR	1	EA	\$1,000.00	\$1,000
SUBSTRUCTURE	CUSTOM TREEHOUSE HARDWARE KIT	2	EA	\$2,750.00	\$5,500
SUBSTRUCTURE	2 X 6	403	LINEAR FT	\$3.50	\$1,409
Total				\$9,651.00	\$25,418.75

SCHEDULE



INTERIOR INSPIRATION



*kotatsu

RENDERING

