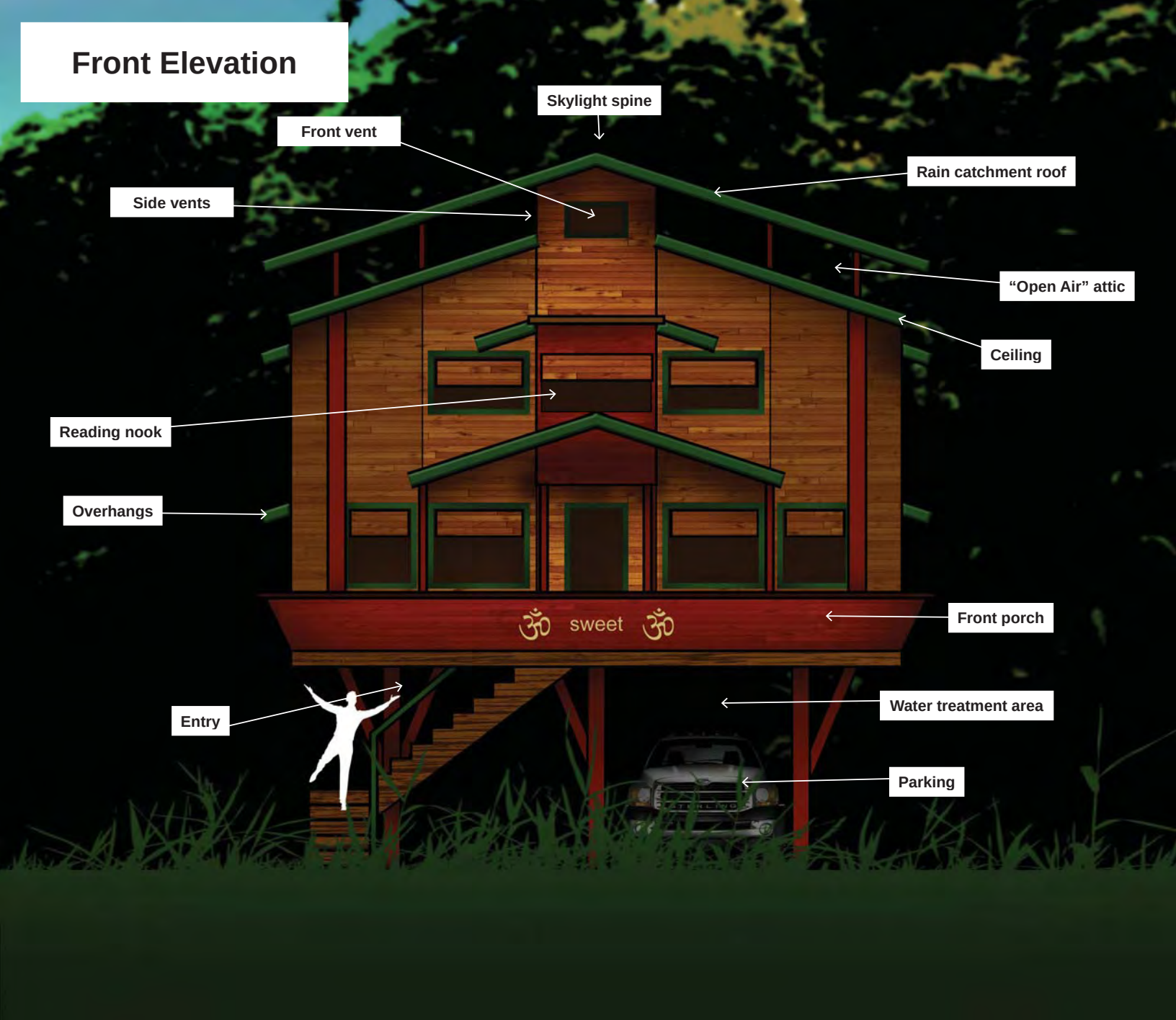
LOT 108

RENDERED ELEVATIONS

Front Elevation



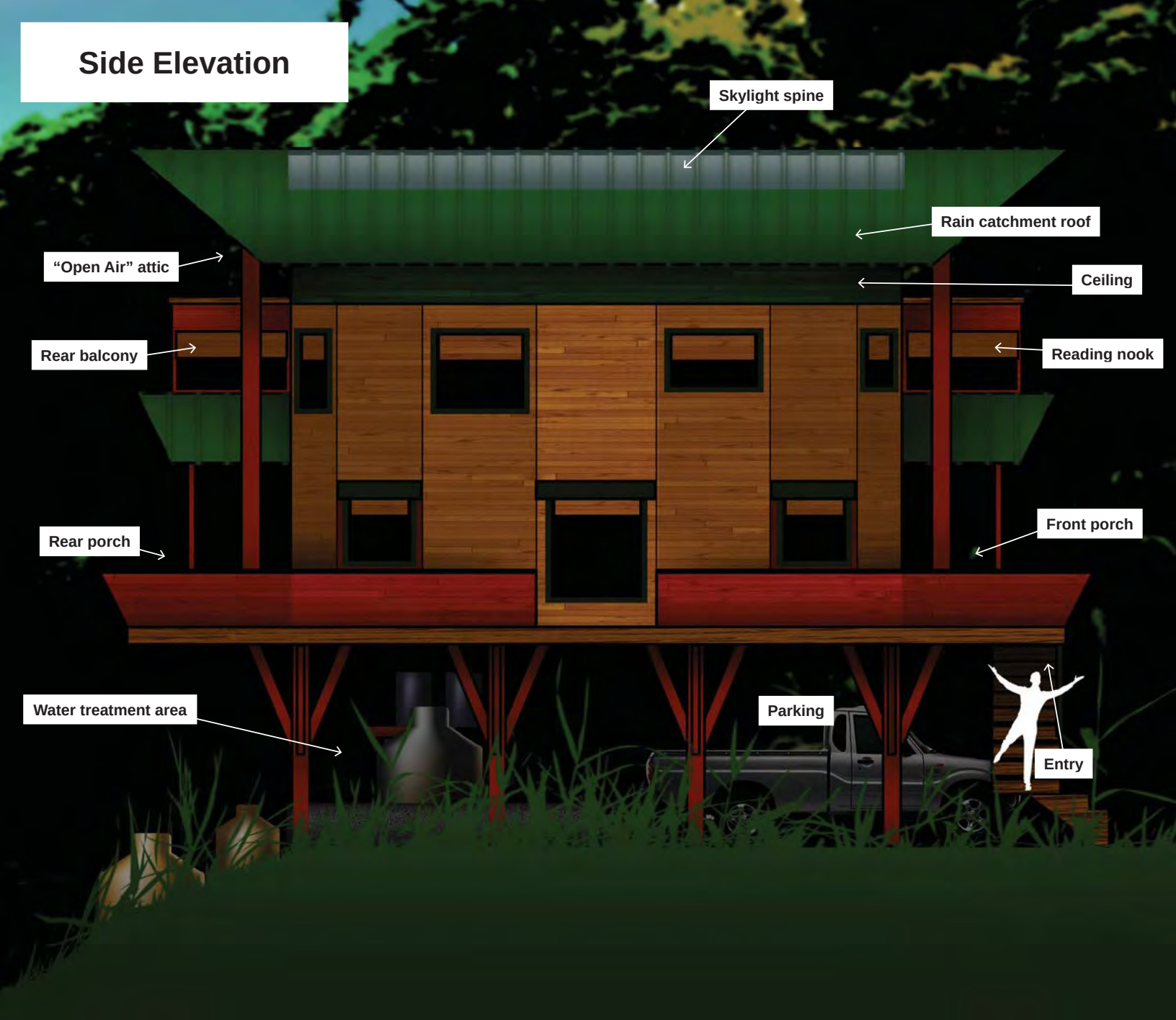
Front Elevation



Side Elevation

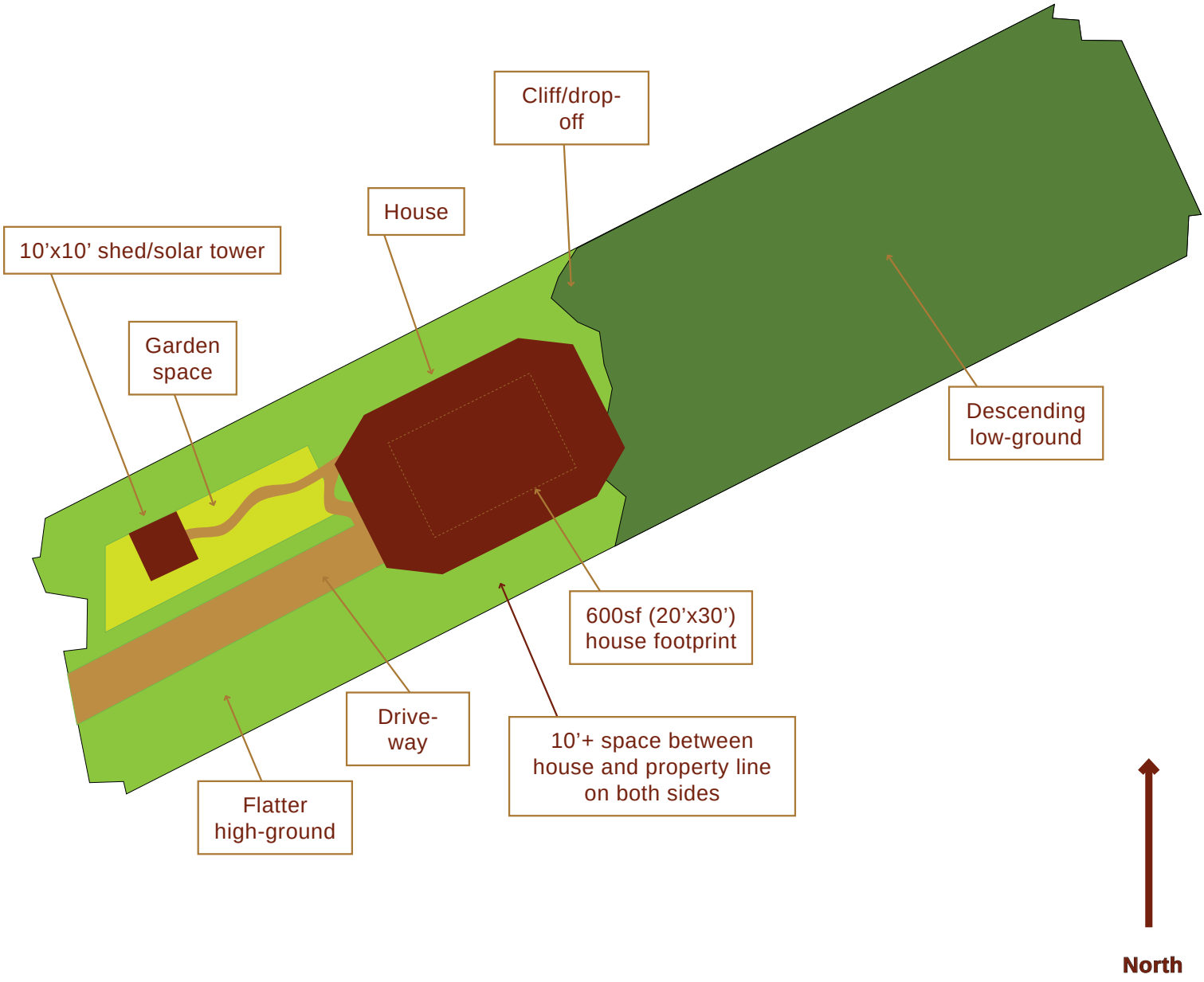


Side Elevation



PROPERTY LANDSCAPE CONCEPT

Landscaping layout

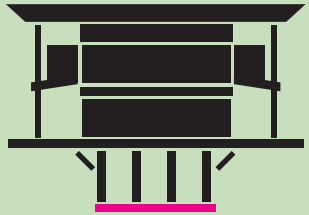


TOP VIEW & FOOTPRINT

PLATFORM CONSTRUCTION
PROCESS STUDY

Clear out 20’x60’ full home footprint on property. House pillars will be within this space.

Assistance Requested



600 square feet contains water treatment (septic tank, water heater, cistern, filtration, pump, etc..) and parking.

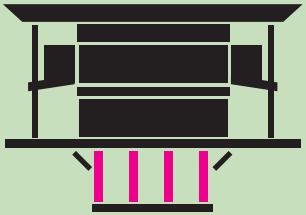
30’

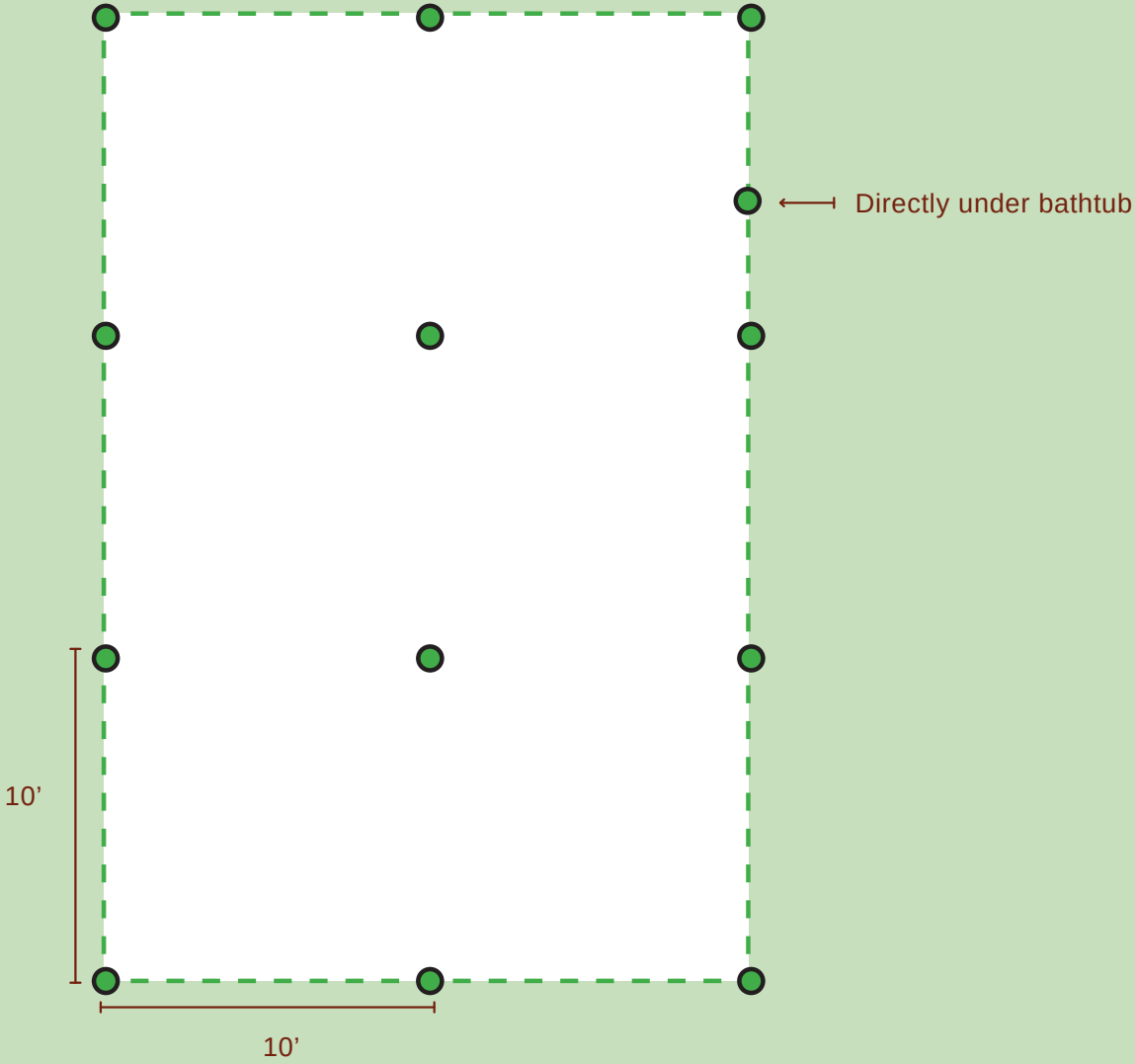
20’

Step 1

Install the 13 pillars @10ft. tall (10ft. apart + one for underneath bath-tub

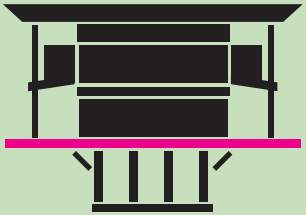
Assistance Requested

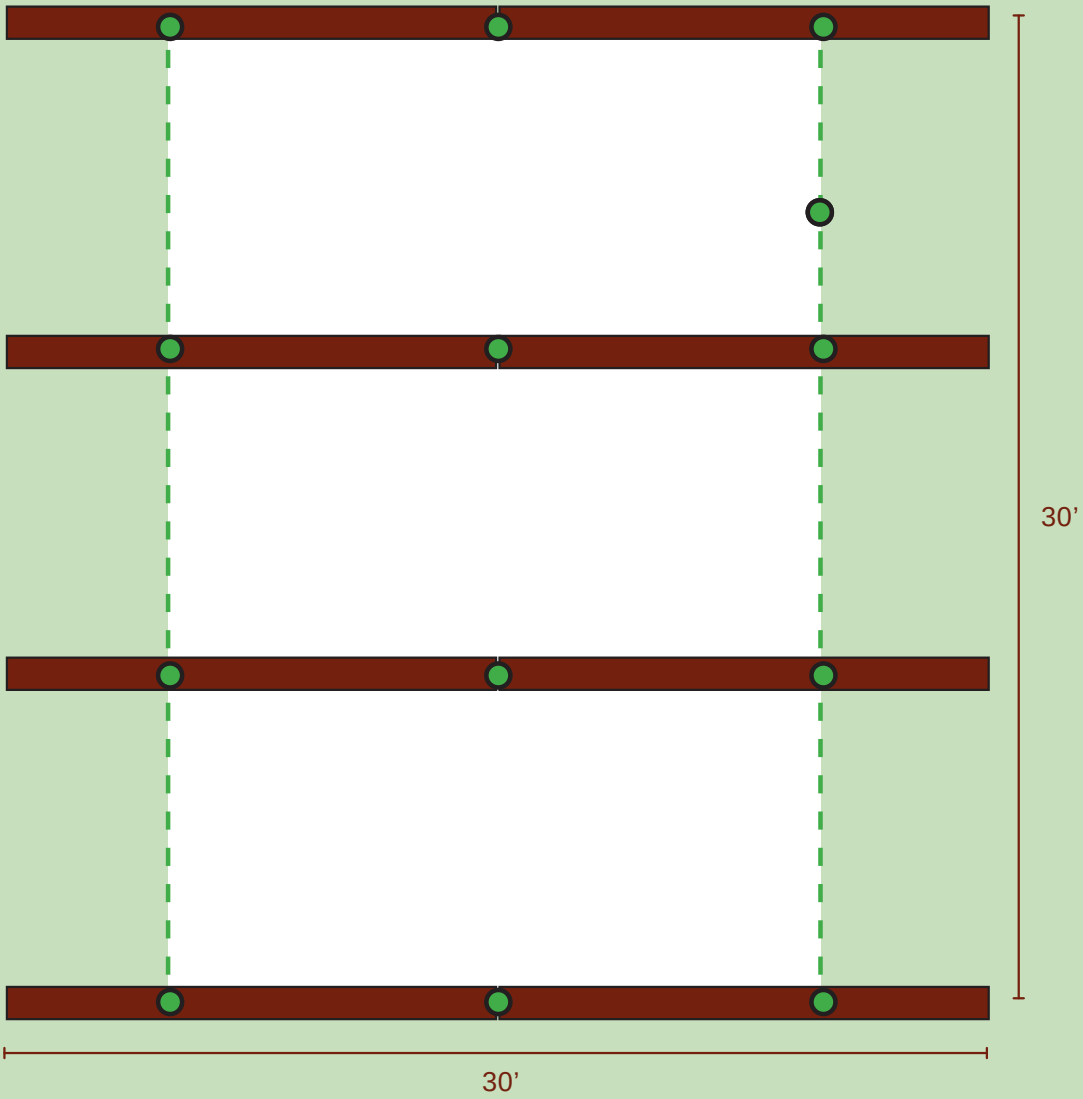




Install main base joists

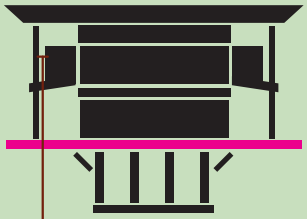
Assistance Requested

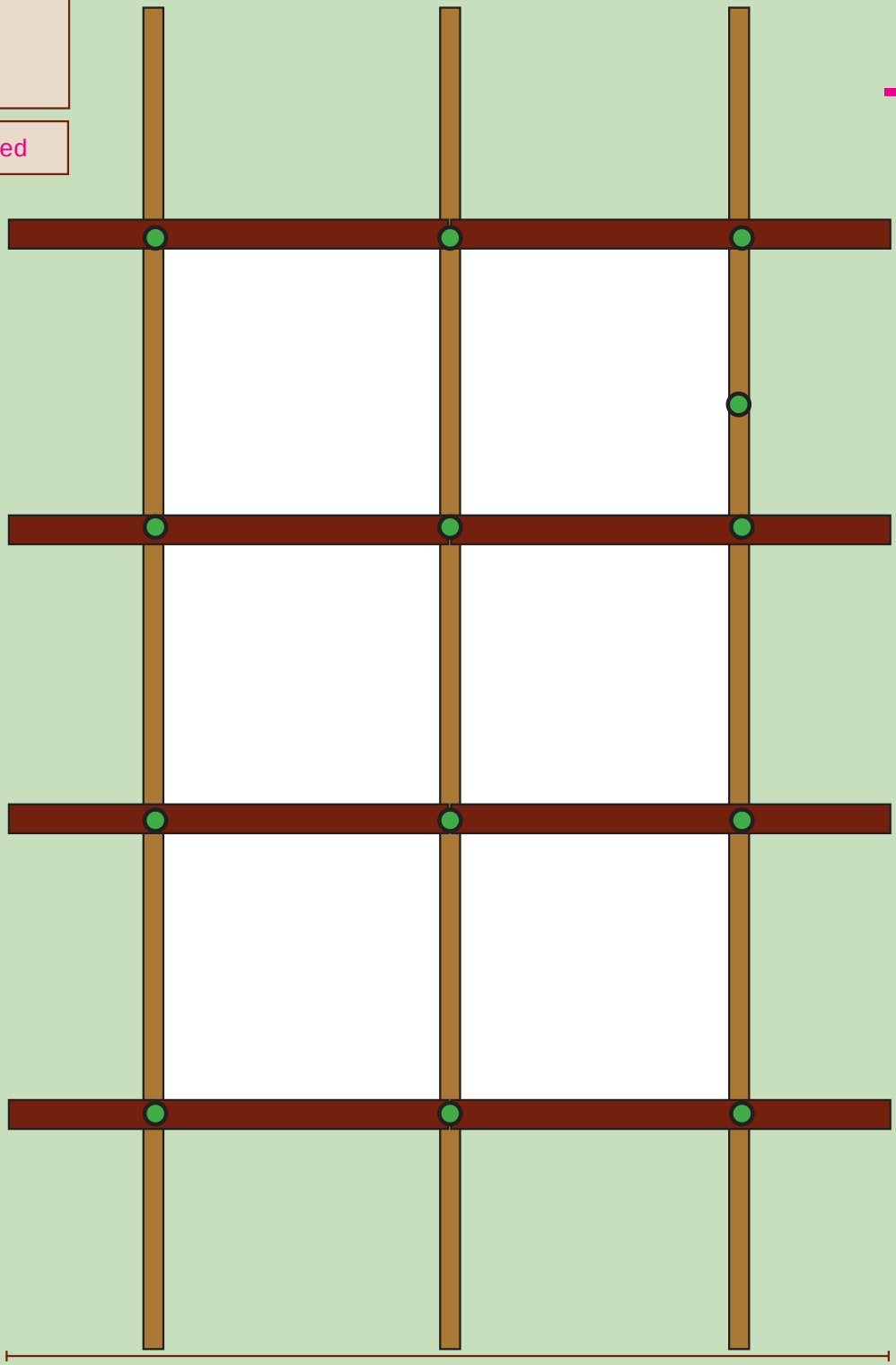




Install secondary base joists

Assistance Requested

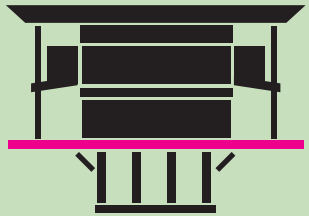


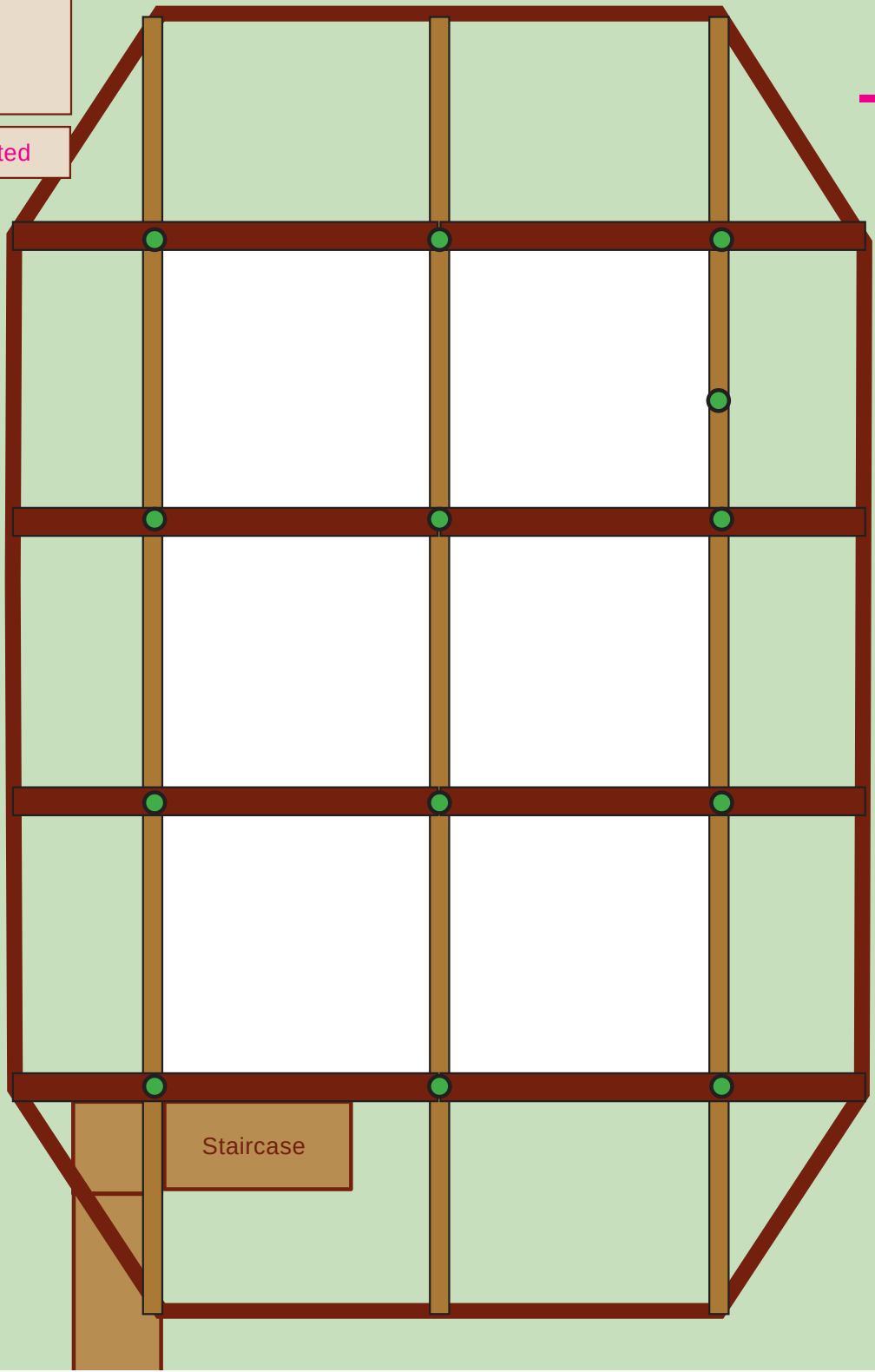


Step 4

Build outerframe and staircase

Assistance Requested

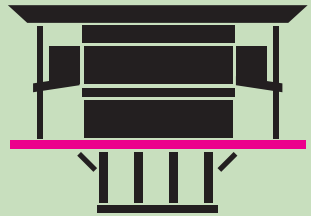


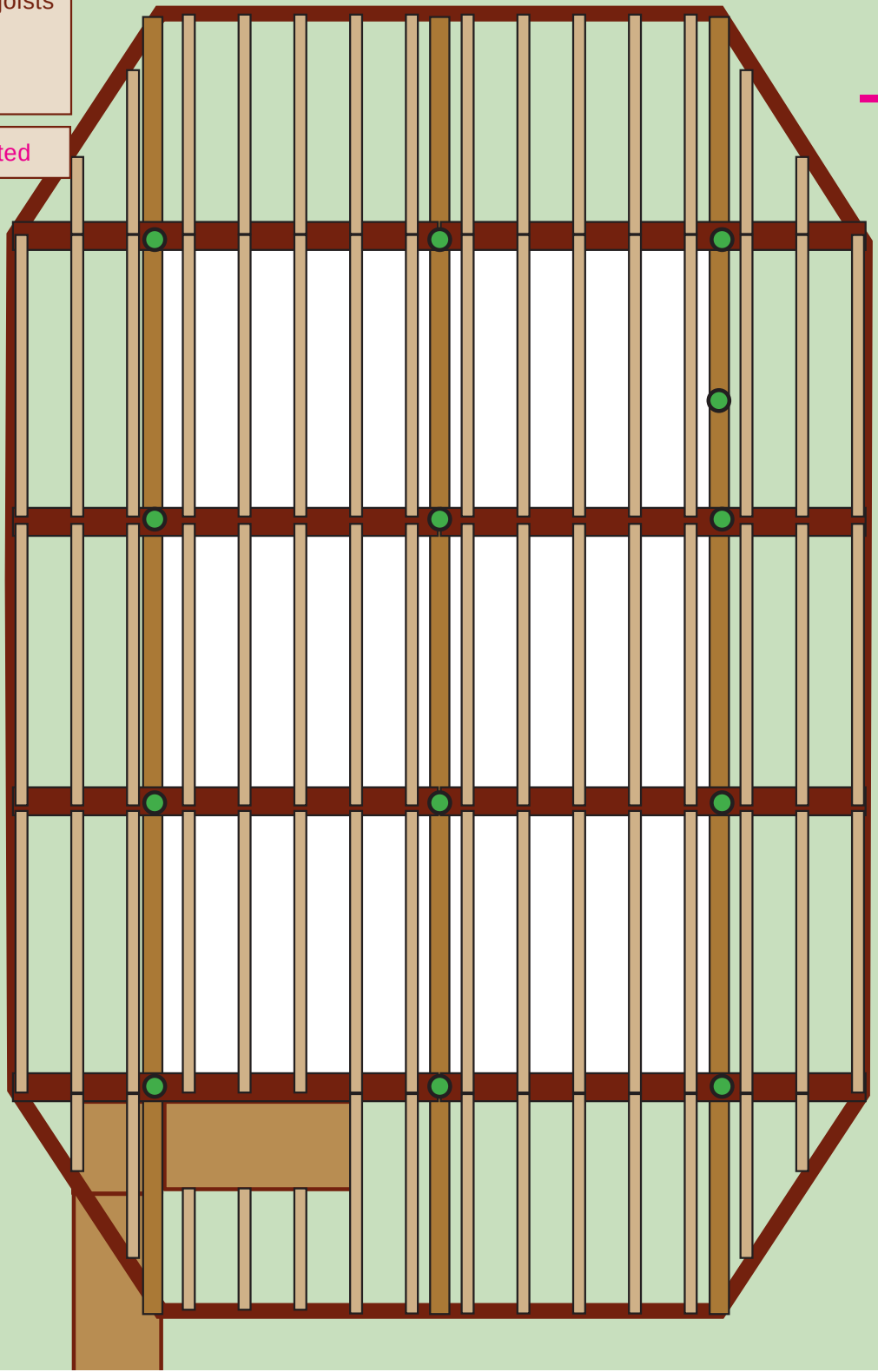


Step 5

Install first level floor joists

Assistance Requested

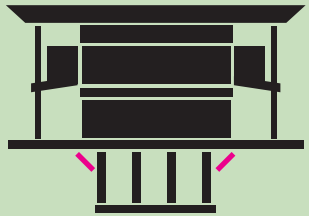


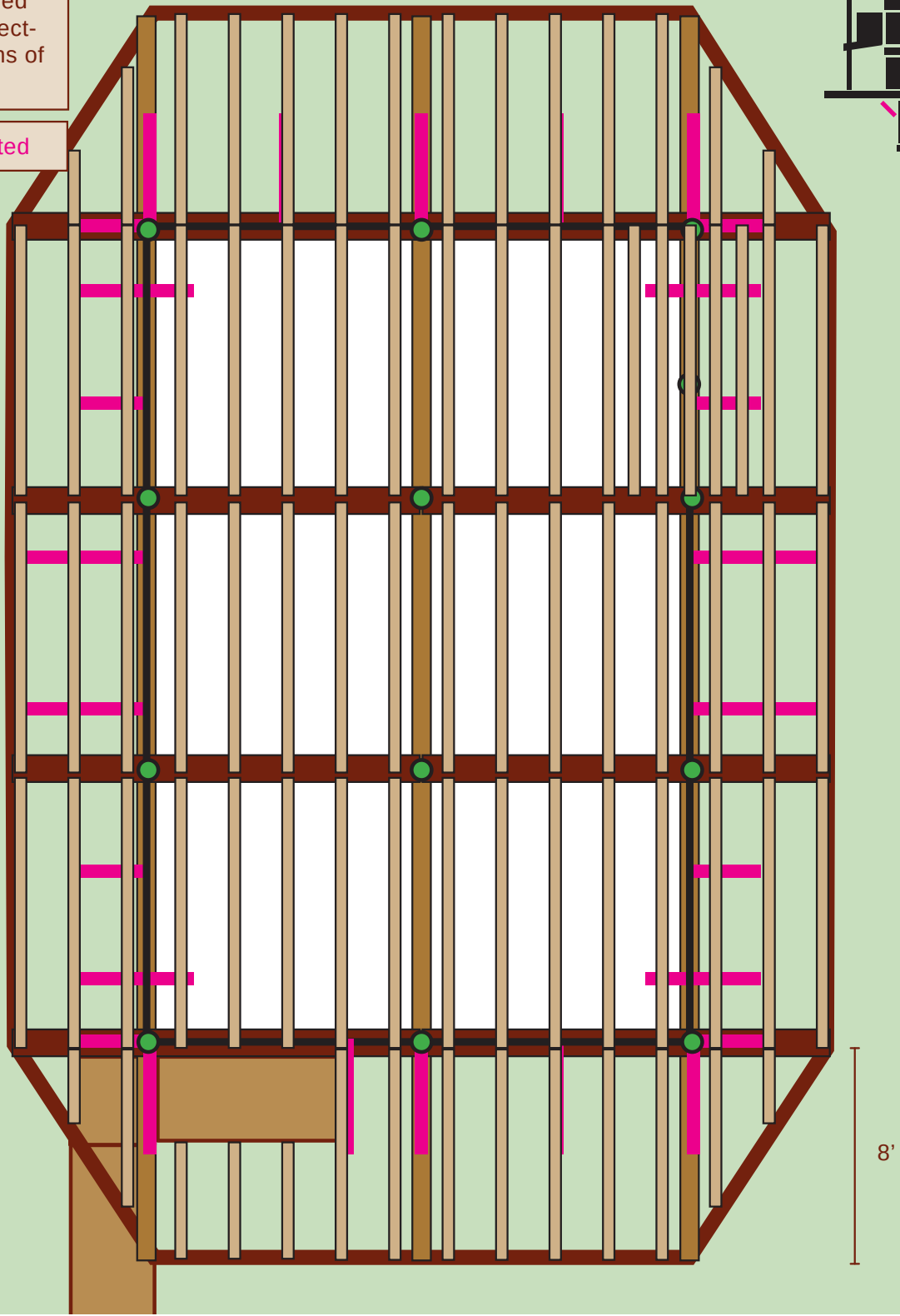


Step 6

Cross braces positioned to provide support directly underneath junctions of walls

Assistance Requested

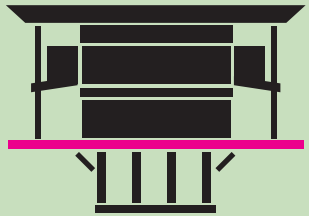




Step 7

Install main level floor deck

DIY



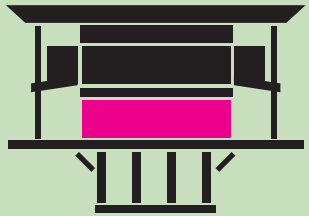
From the 4 corners we can determine the center of the circle and where the walls go.

8’

Step 8

Build walls, doors and windows to the 16-sided structure

DIY



*Each of the 16 wall panels is 6’ wide

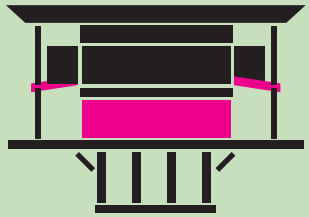
11.25-degrees rotation de-termins wall placement

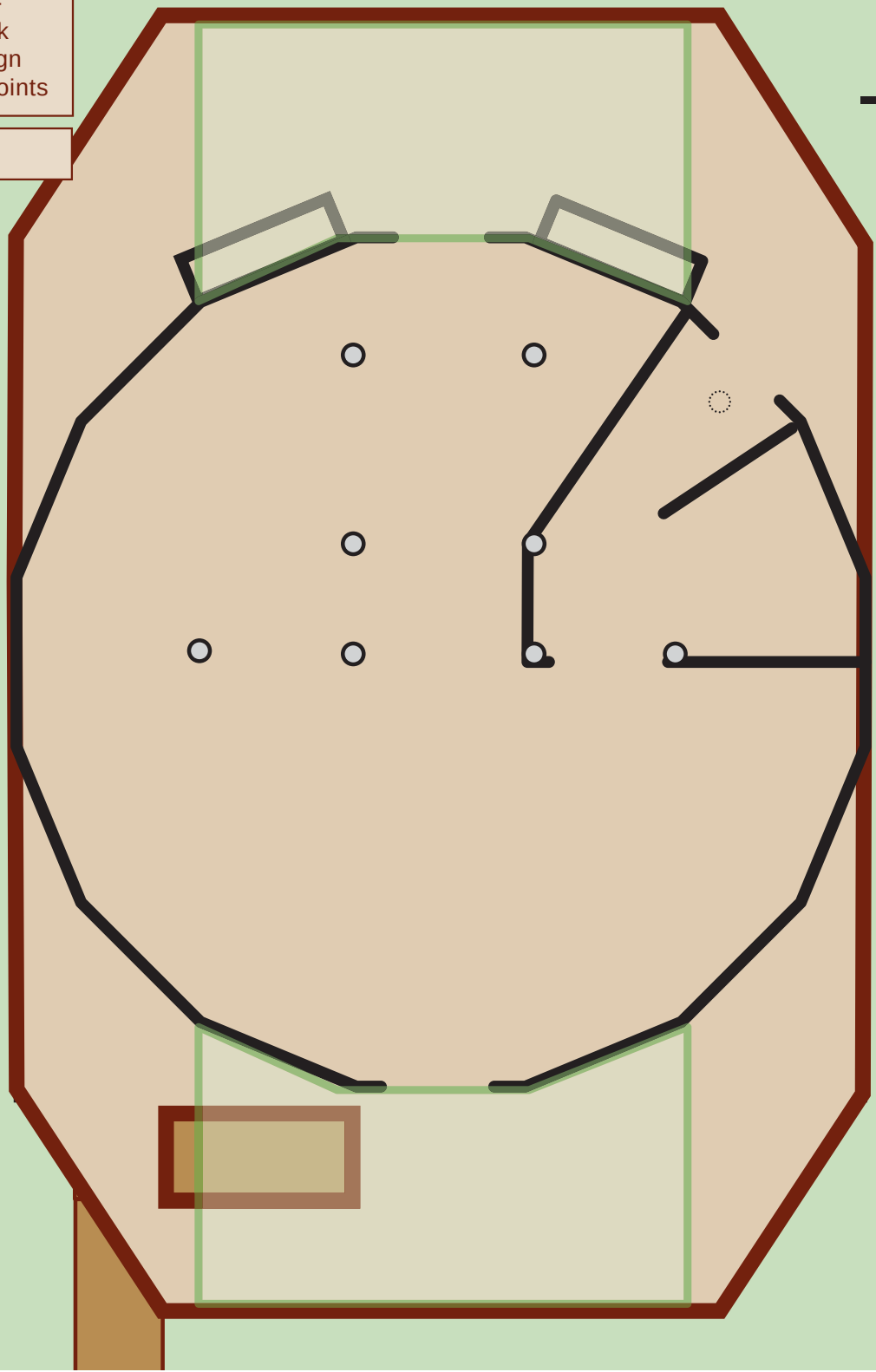
8’

Step 9

Inners walls, bay windows, pillars and deck overhangs. Pillars align lengthwise with wall joints

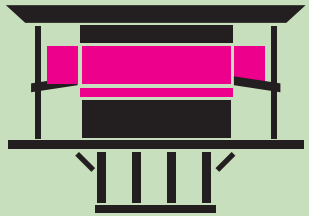
DIY

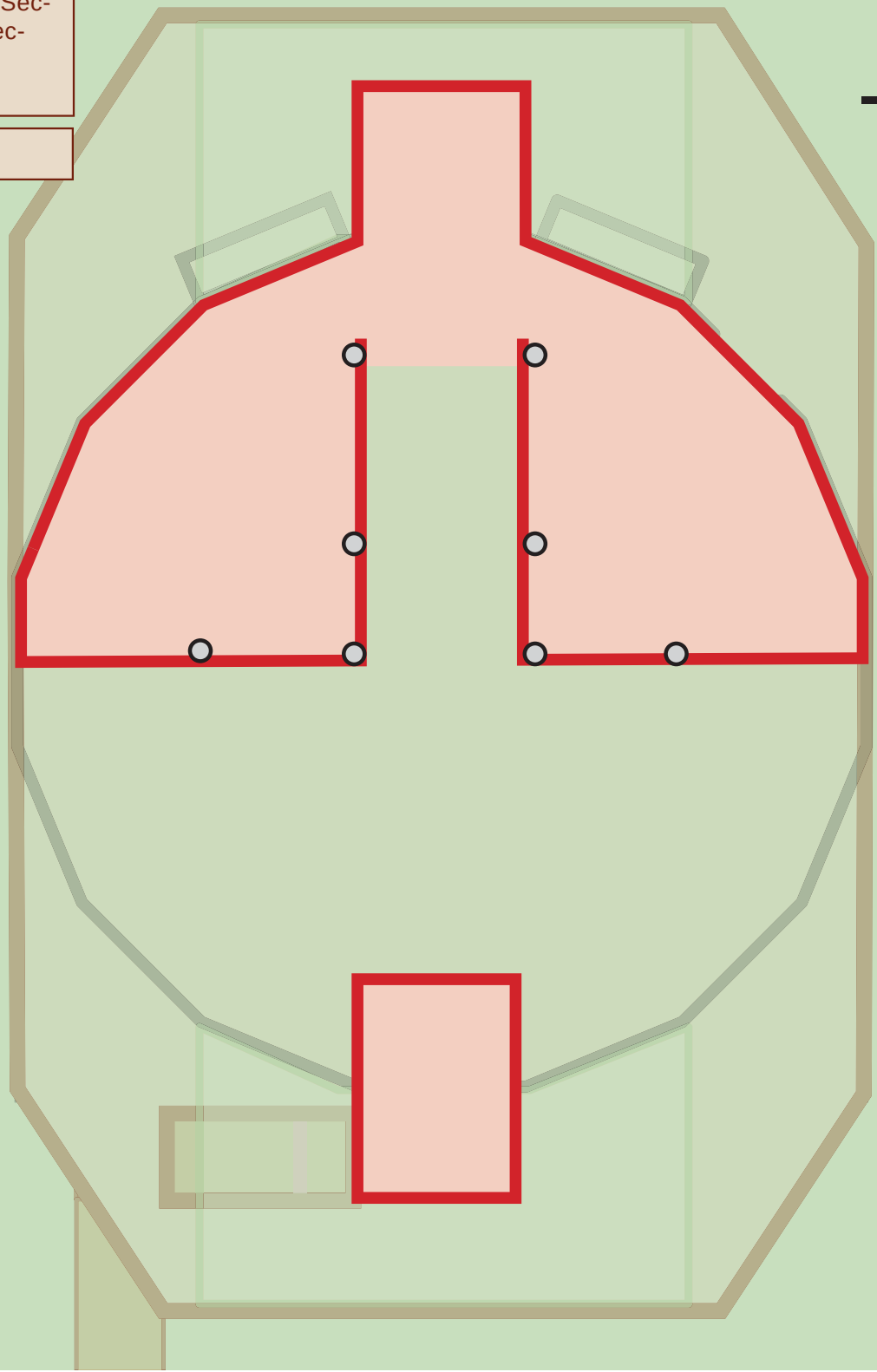




BEGIN 2ND LEVEL: Second floor,walls and second-level pillars

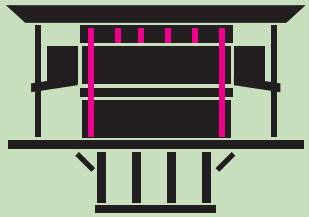
DIY

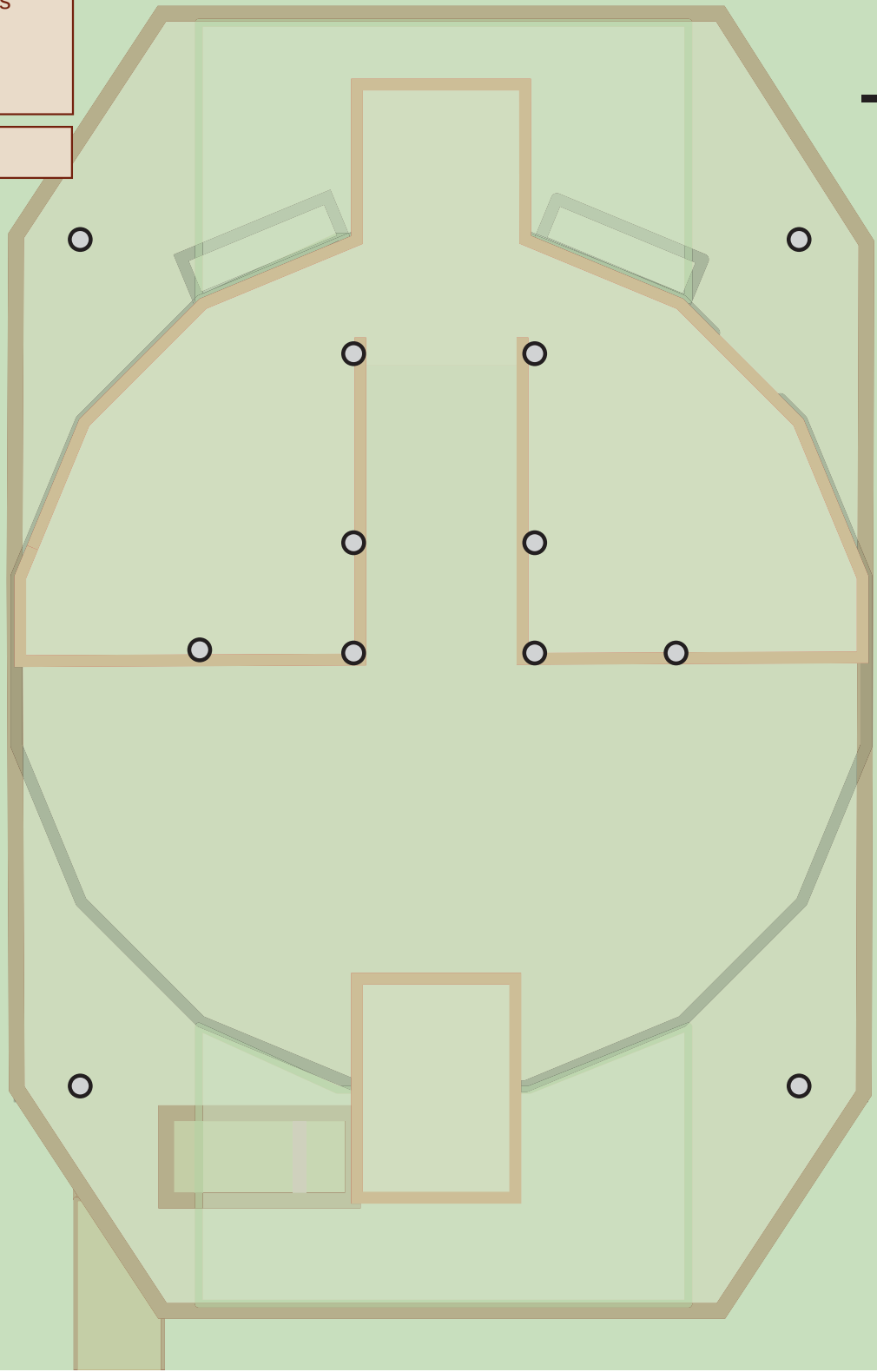




2nd-to-3rd-level pillars reach up to ceiling

DIY?

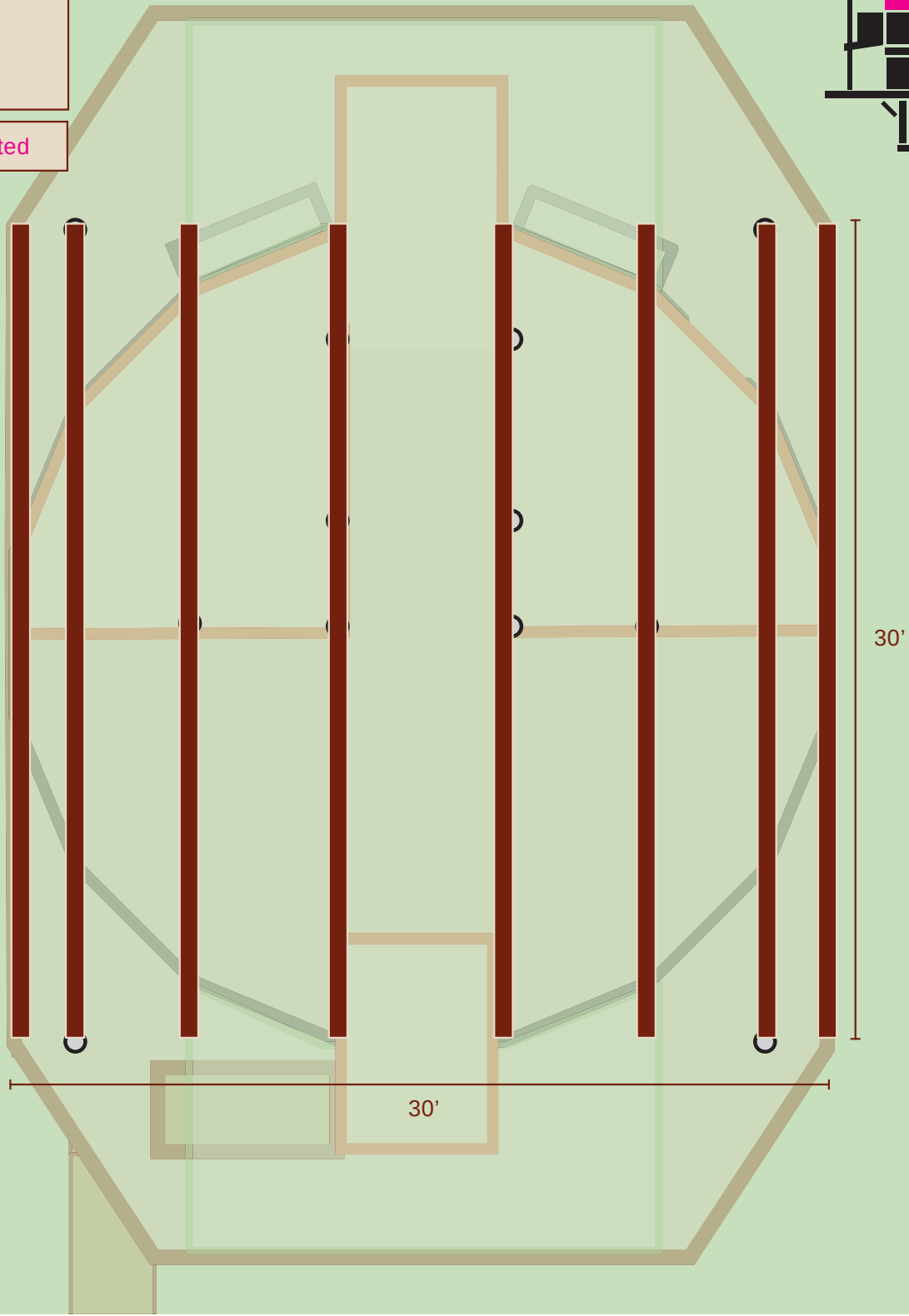




BEGIN 3RD LEVEL:
Ceiling main joists

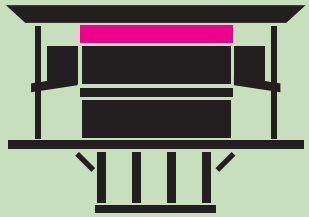
Assistance Requested

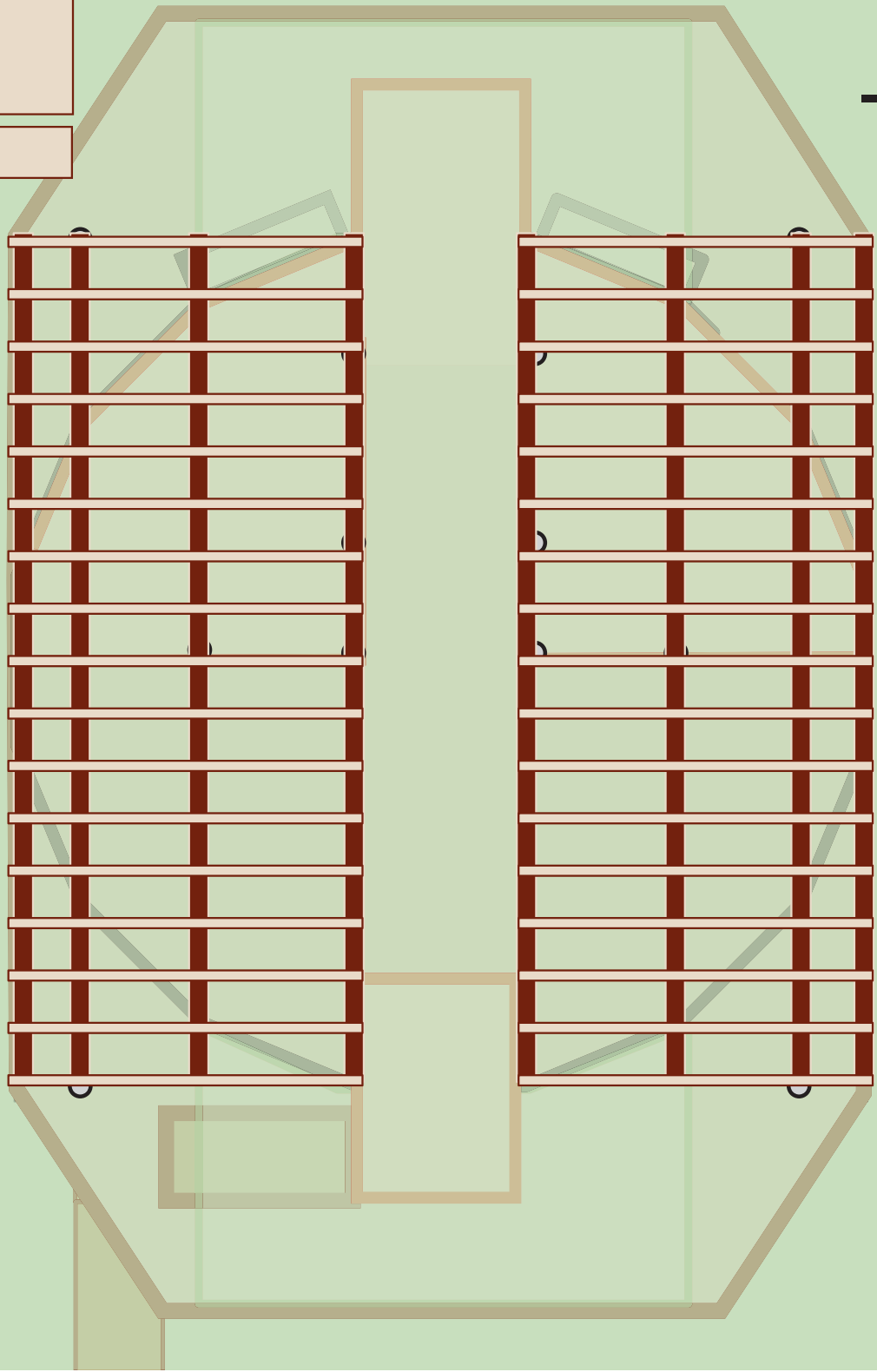




Ceiling joists

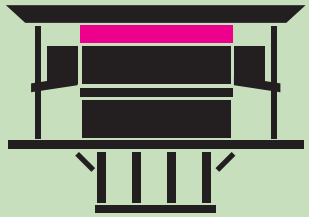
DIY?

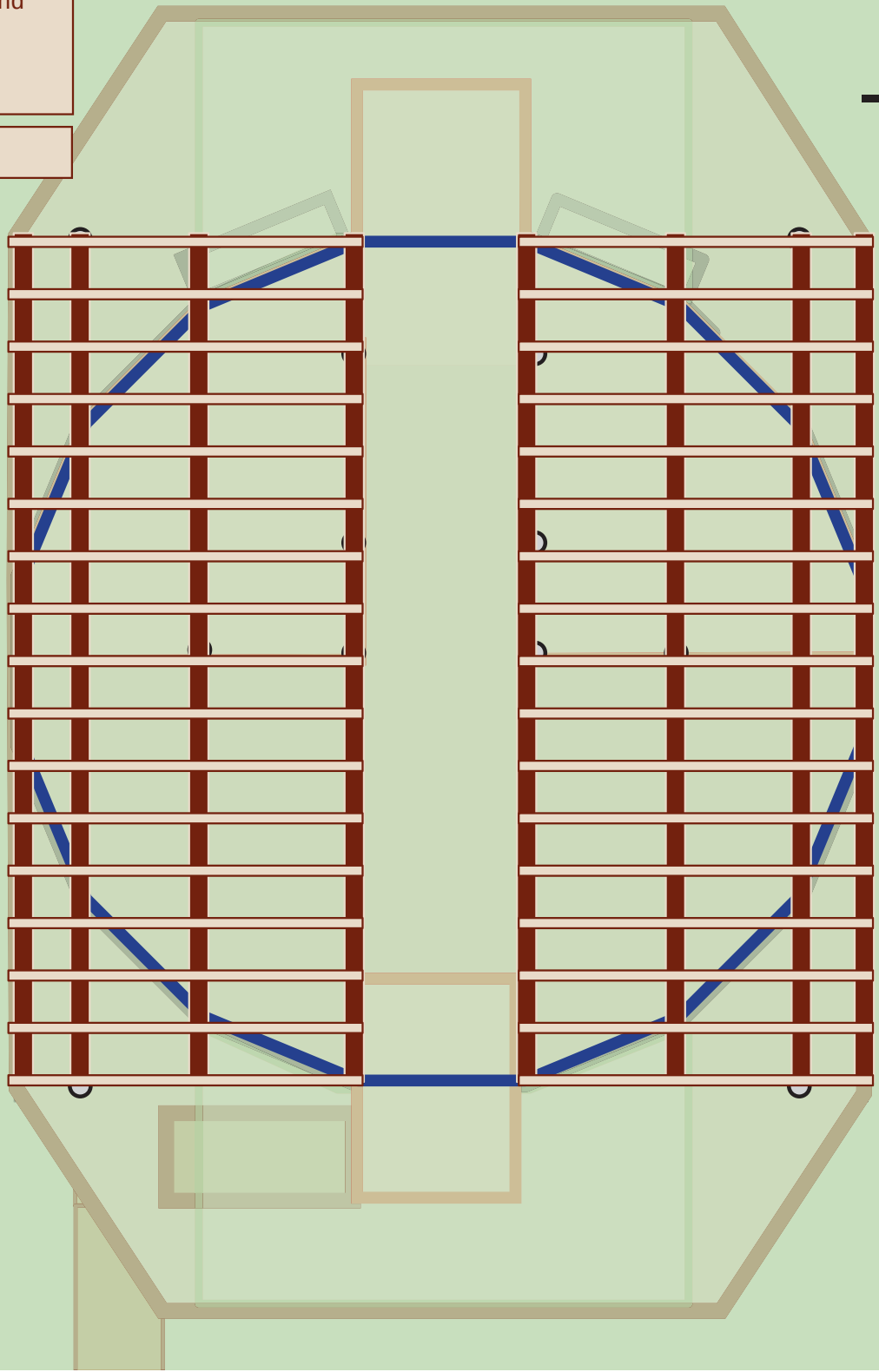




Third-level walls extend up to ceiling

DIY?

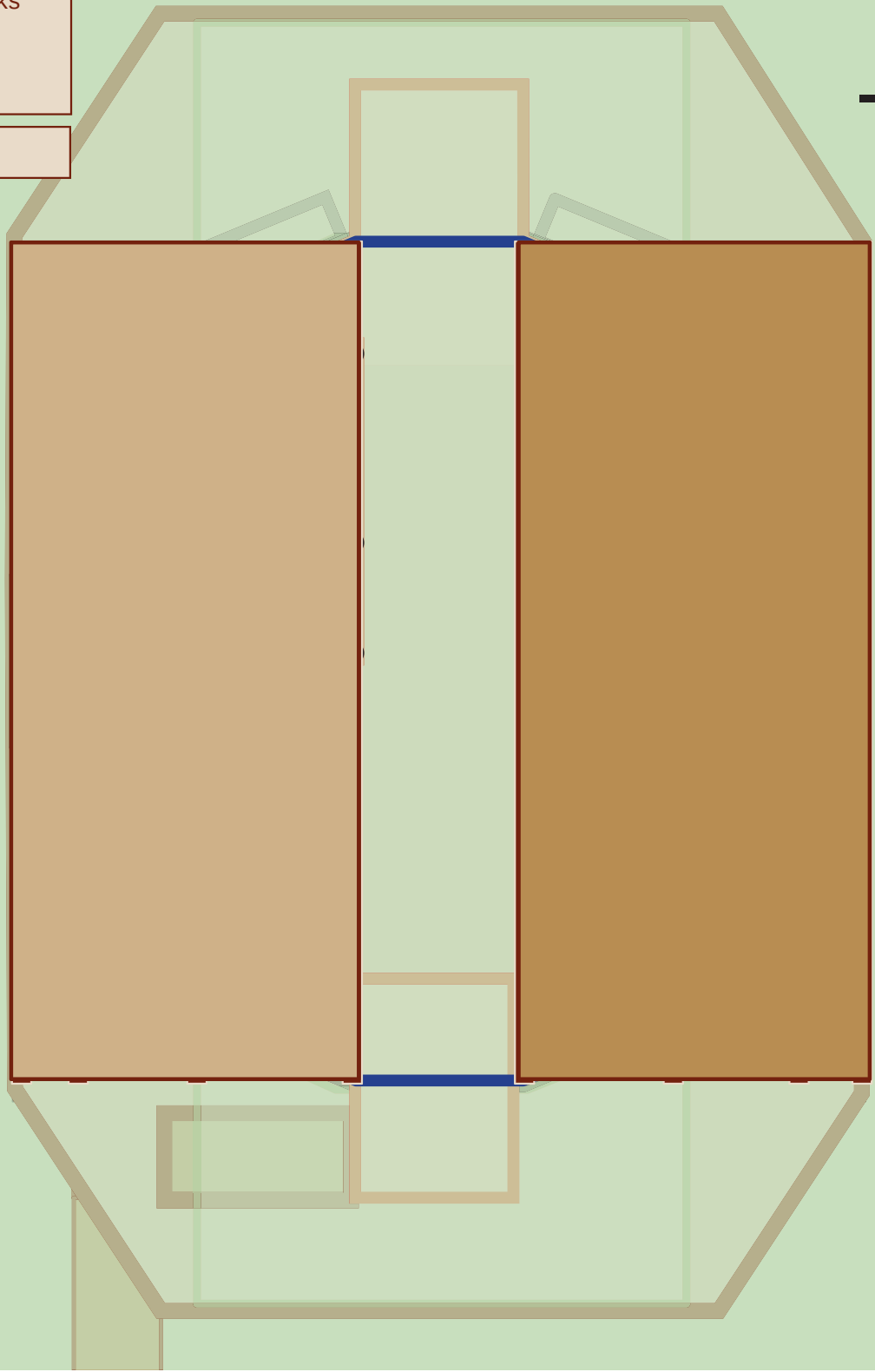




Wooden surface planks for ceiling applied

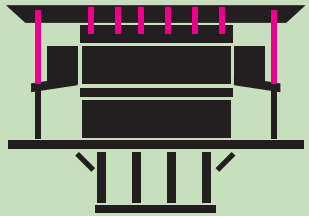
DIY?

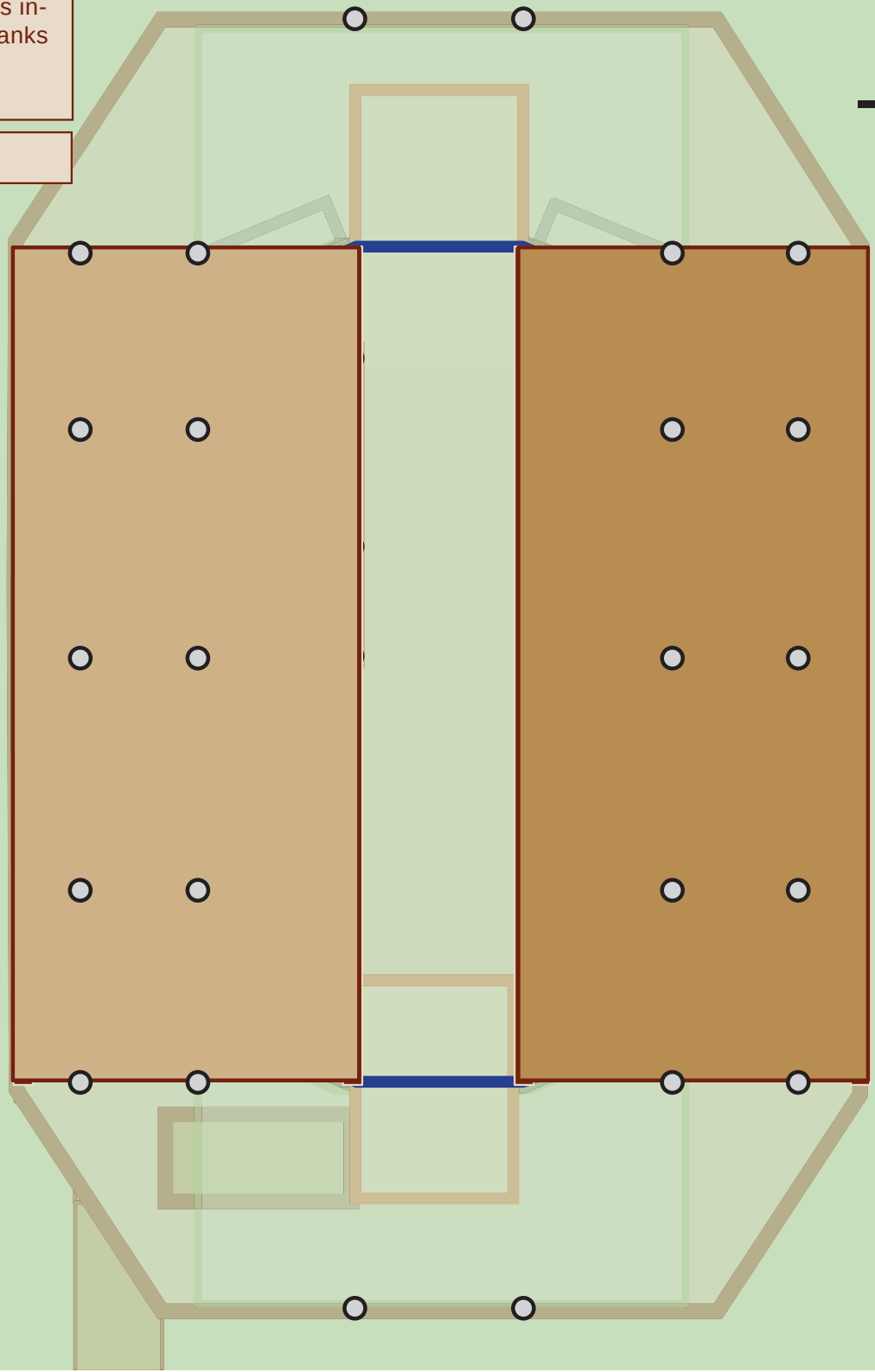




Roofing support pillars installed over ceiling planks

DIY?

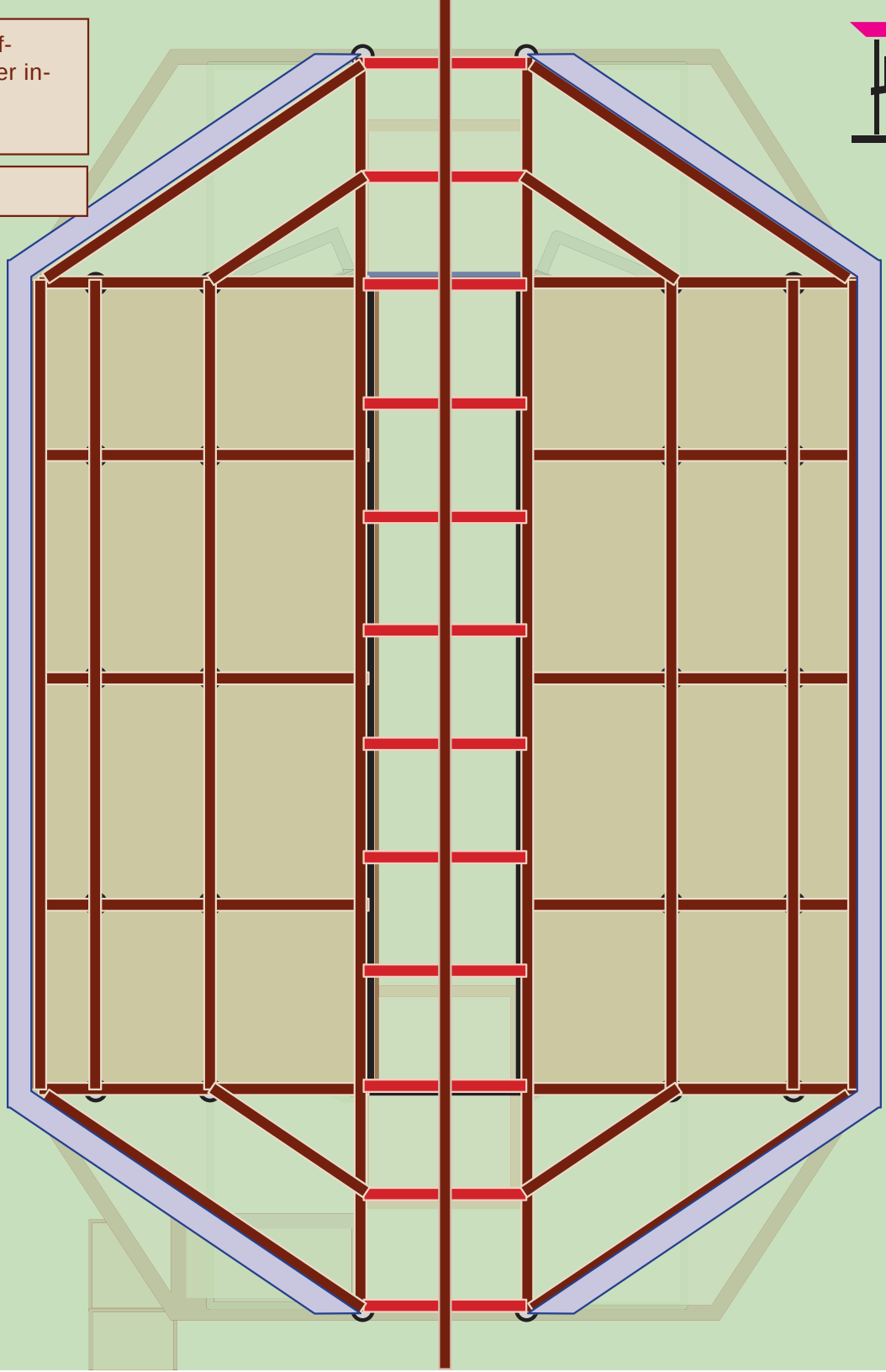




Roof joists atop roofing pillars.Rain gutter installed.

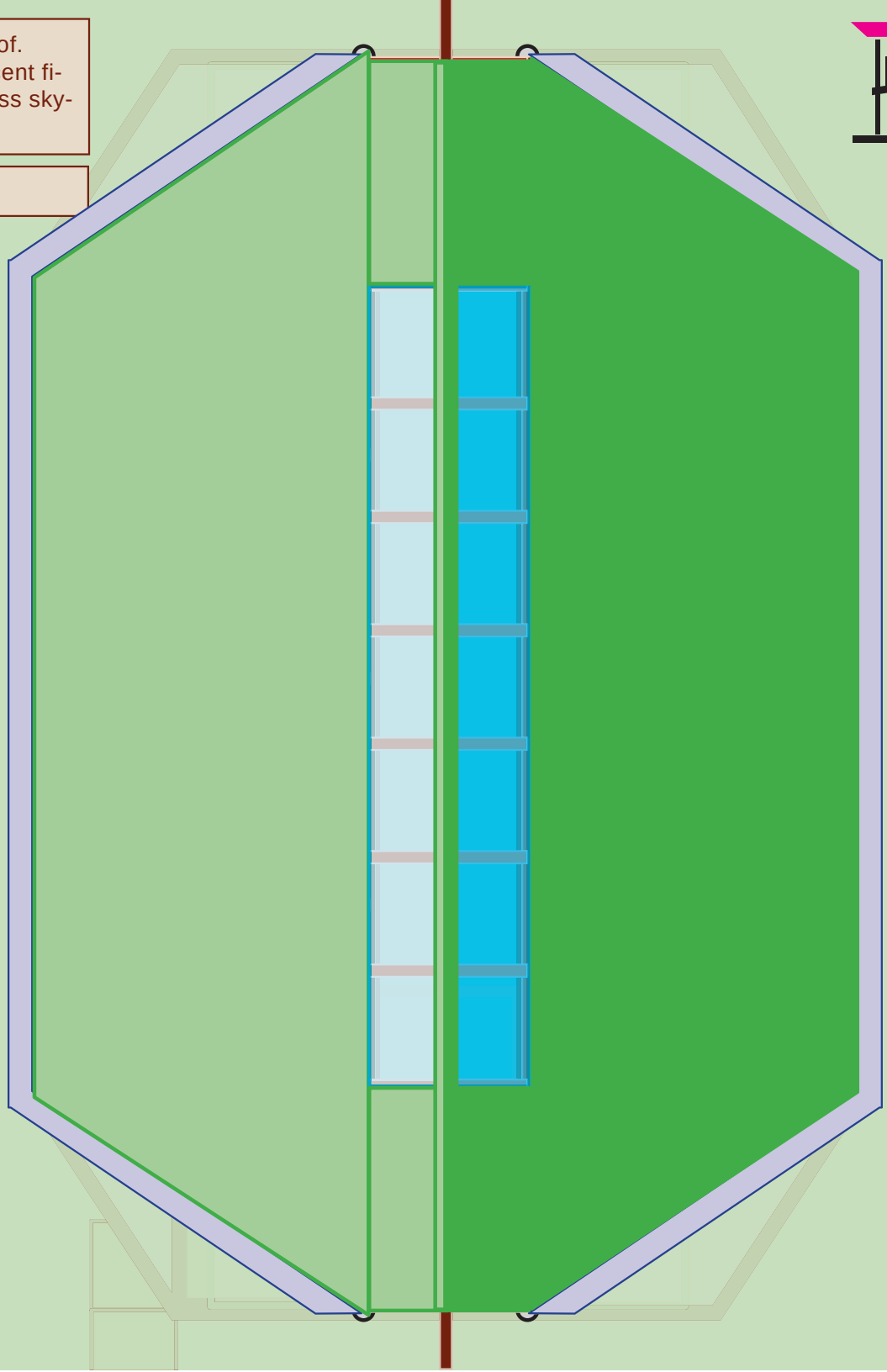
DIY?





Corragated steel roof. Corragated translucent fiberglass or plexiglass skylight.

DIY?





WALL PANEL COST STUDY

Wall Panel Cost Study

32 Walls

This breakdown describes the materials needed for one (1) wall panel of the home design. The home has 16-sides per floor, with two floors, totalling **32 Wall Panels**.

Thus, the determined cost of a single Wall Panel can be multiplied by 32 to determine the approximate costs of the walls.

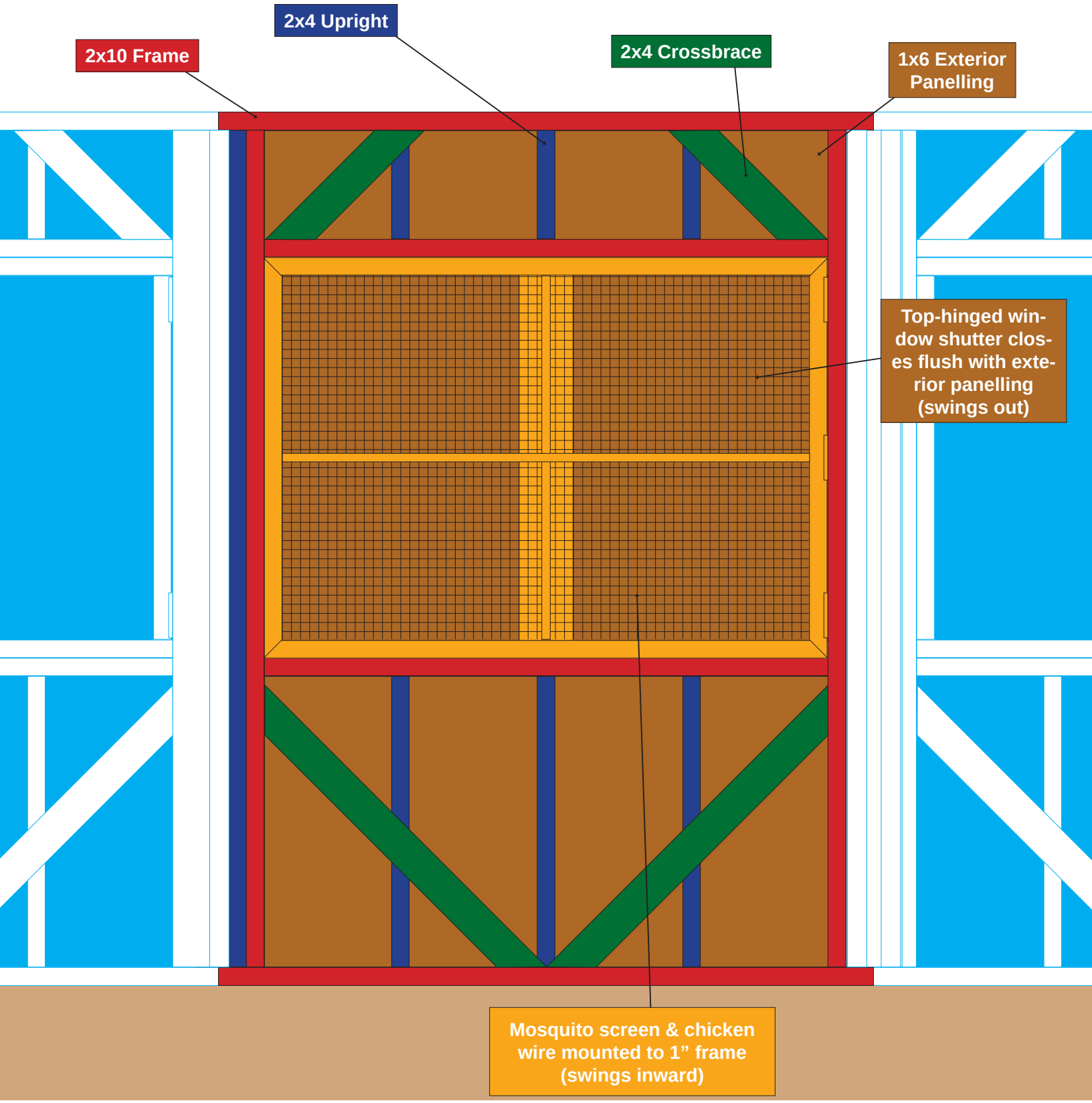
16 Windows

There is a breakdown of window materials included here as well. There will be **16 windows**, so the window cost can be multiplied accordingly.

Note:
This is just an approximate study and may note reflect perfect measurements. Changes may unfold.

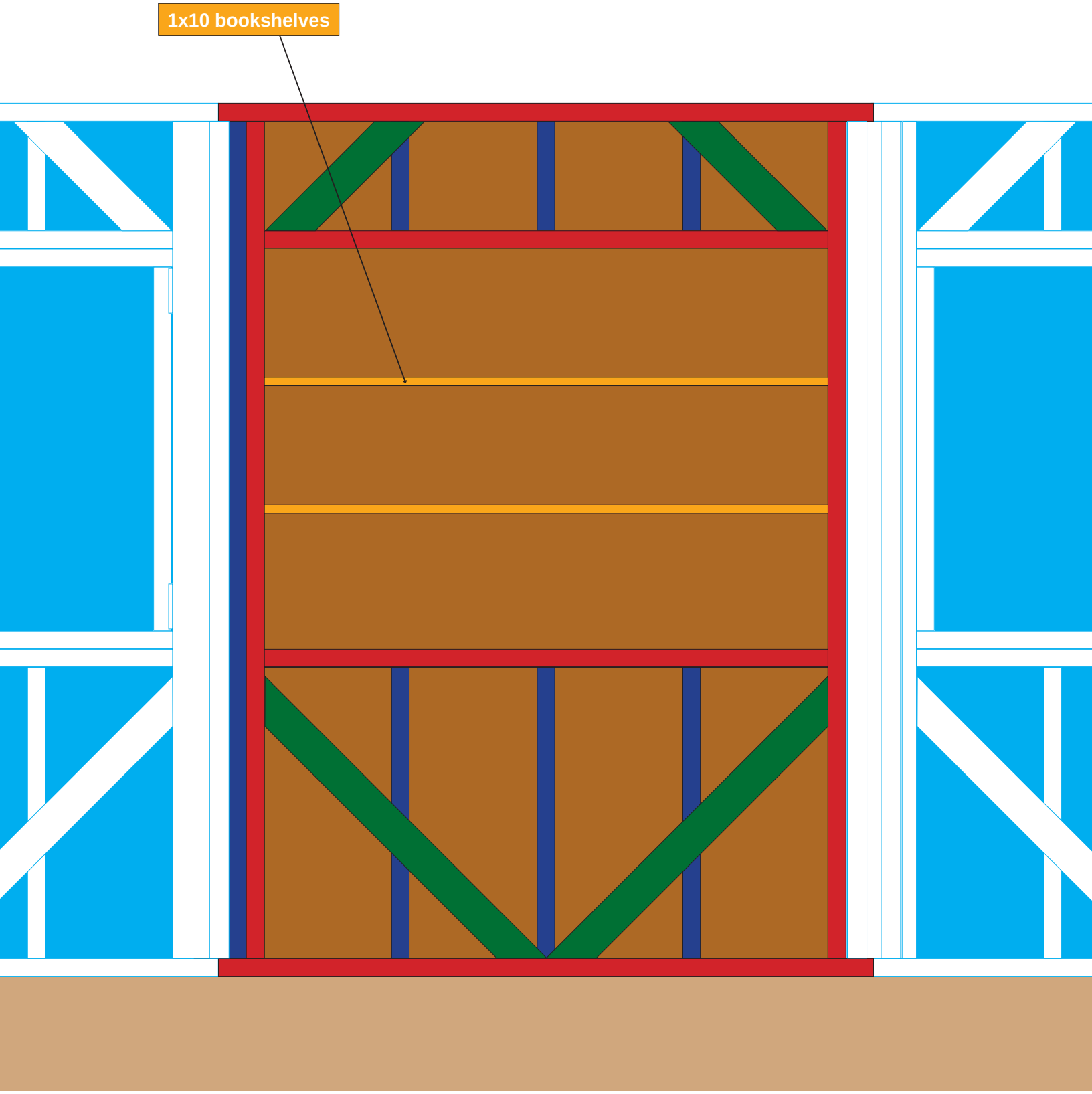
Wall Panel

With Window



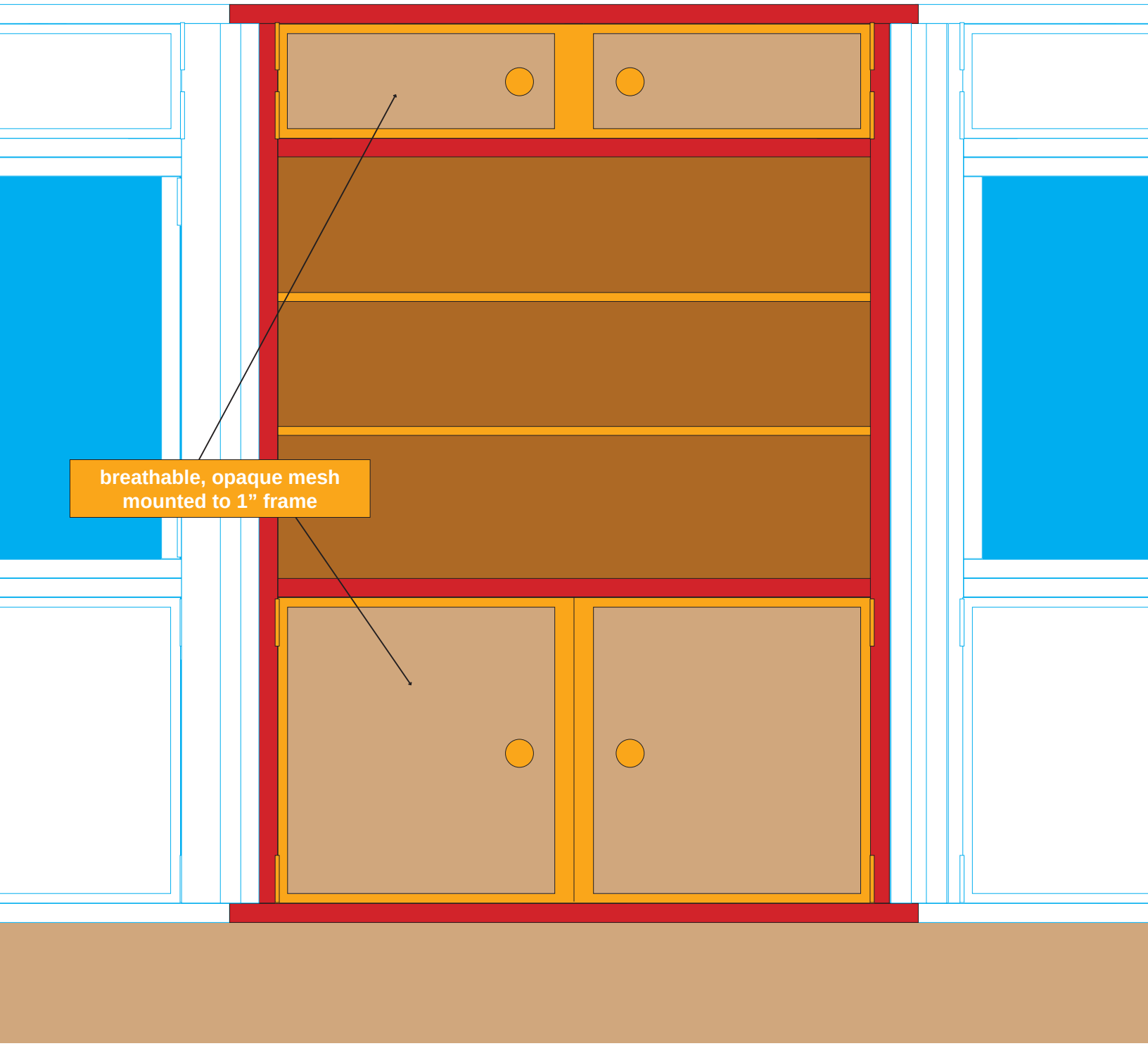
Wall Panel

Example Shelving (No Window)



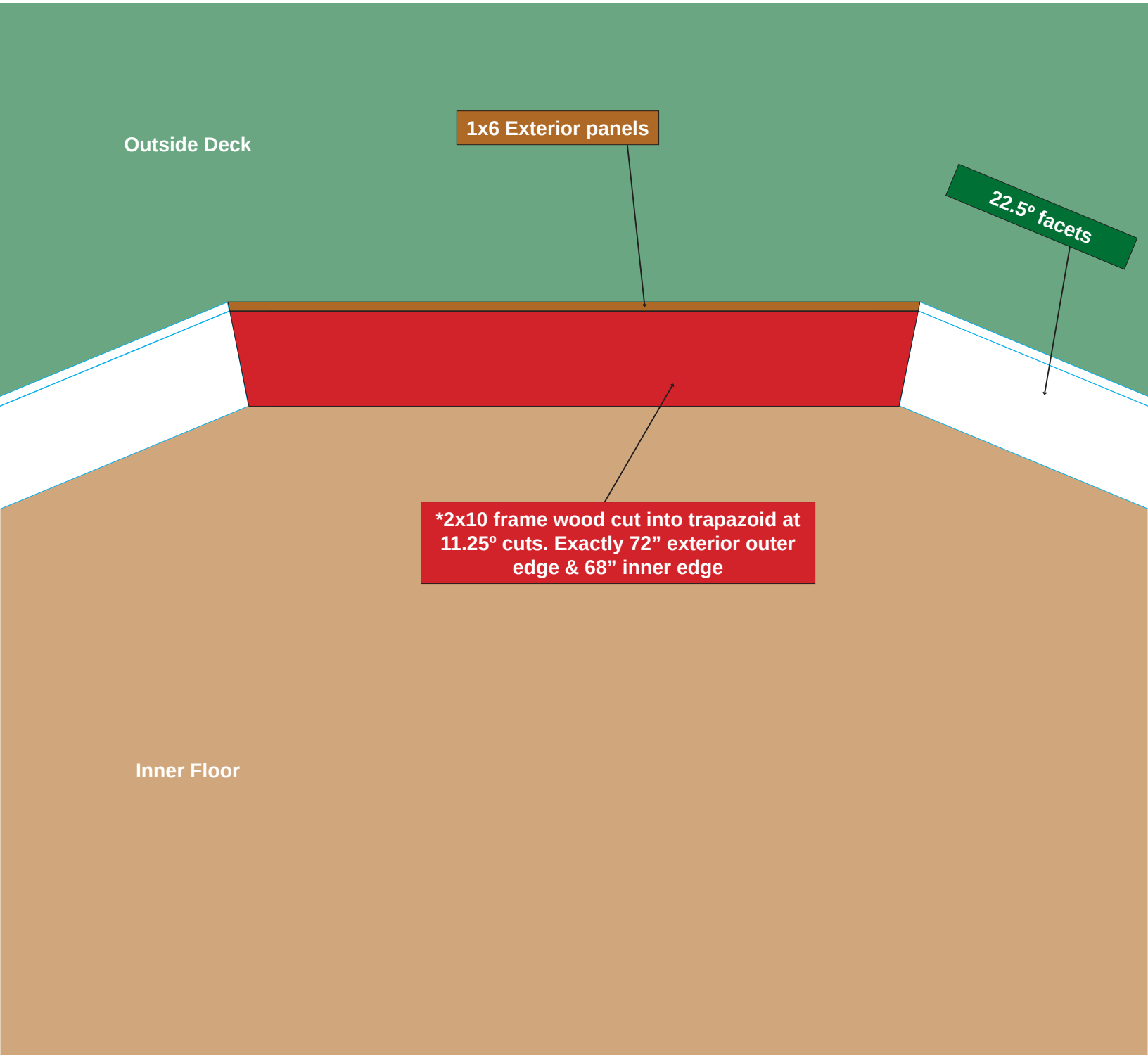
Wall Panel

Example Cover (Phase II)



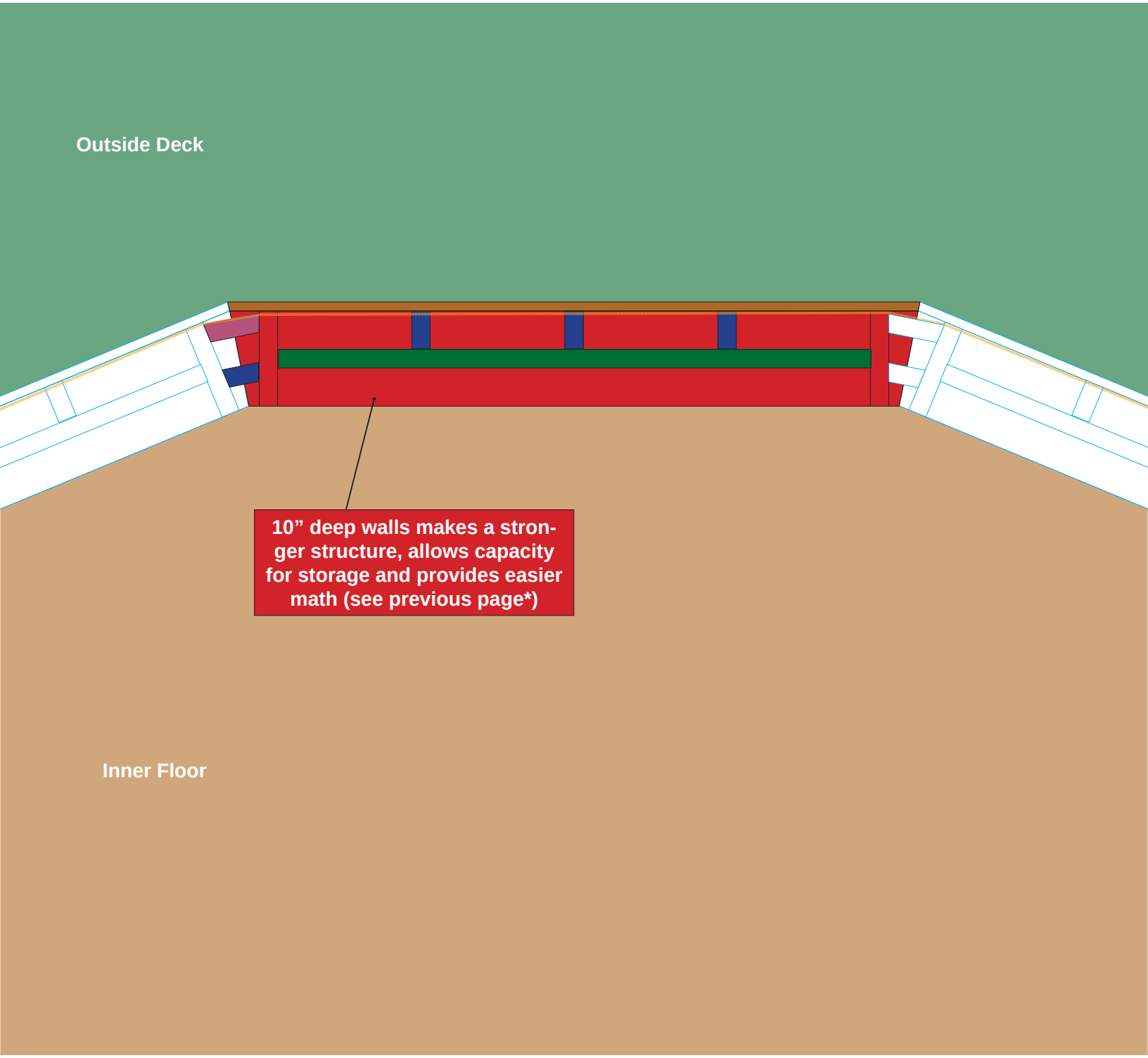
Wall Panel: Top

Top view



Wall Panel: Top

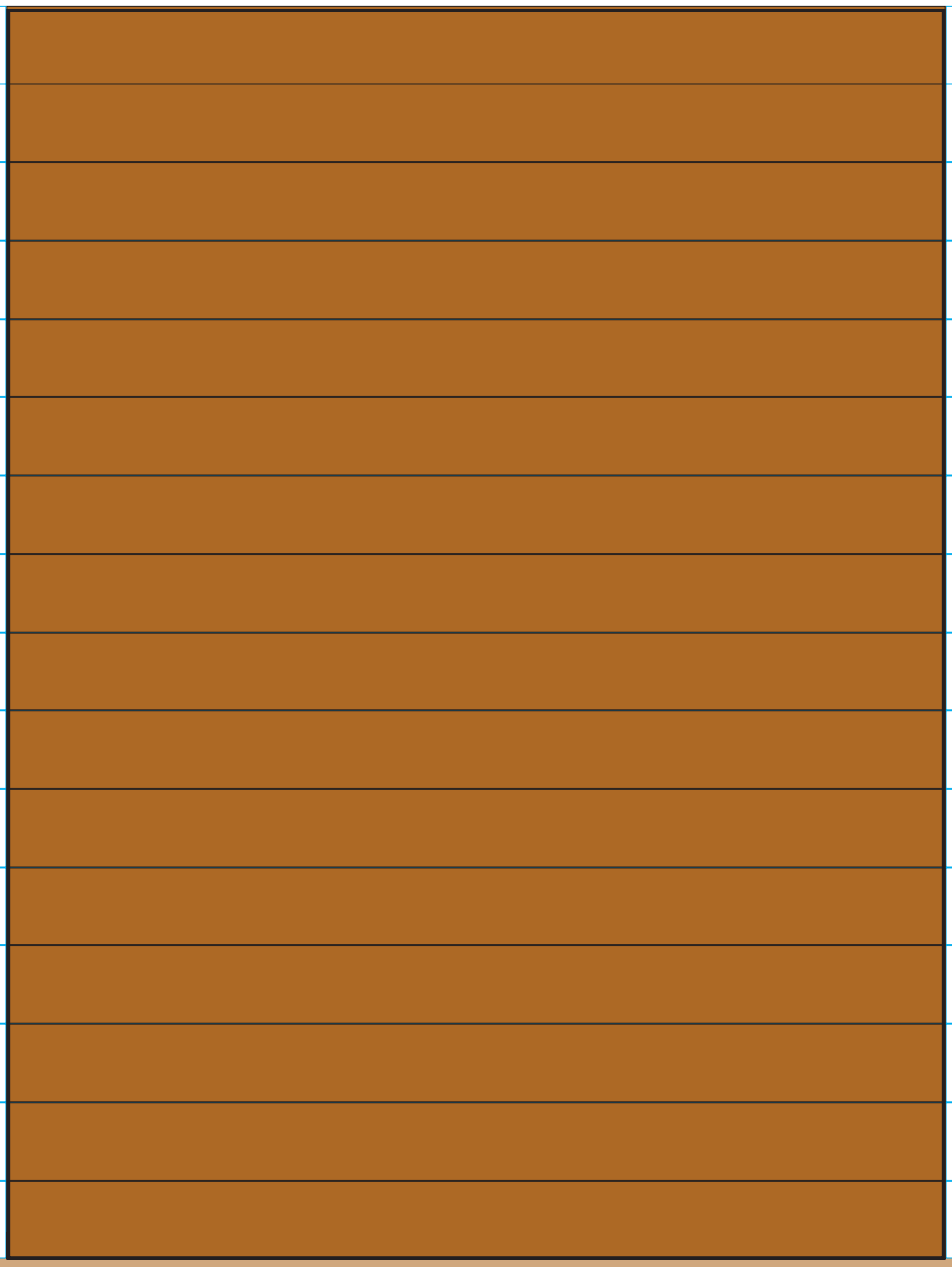
Beam positioning:
2x4 Uprights (blue)
2x6 Upgright (purple)
2x4 Crossbraces (green)
2x10 Panel Frame (red)
3/8” Aircraft Tension Cable (yellow)



Wall Panel

Example Exterior Panel (No Window)

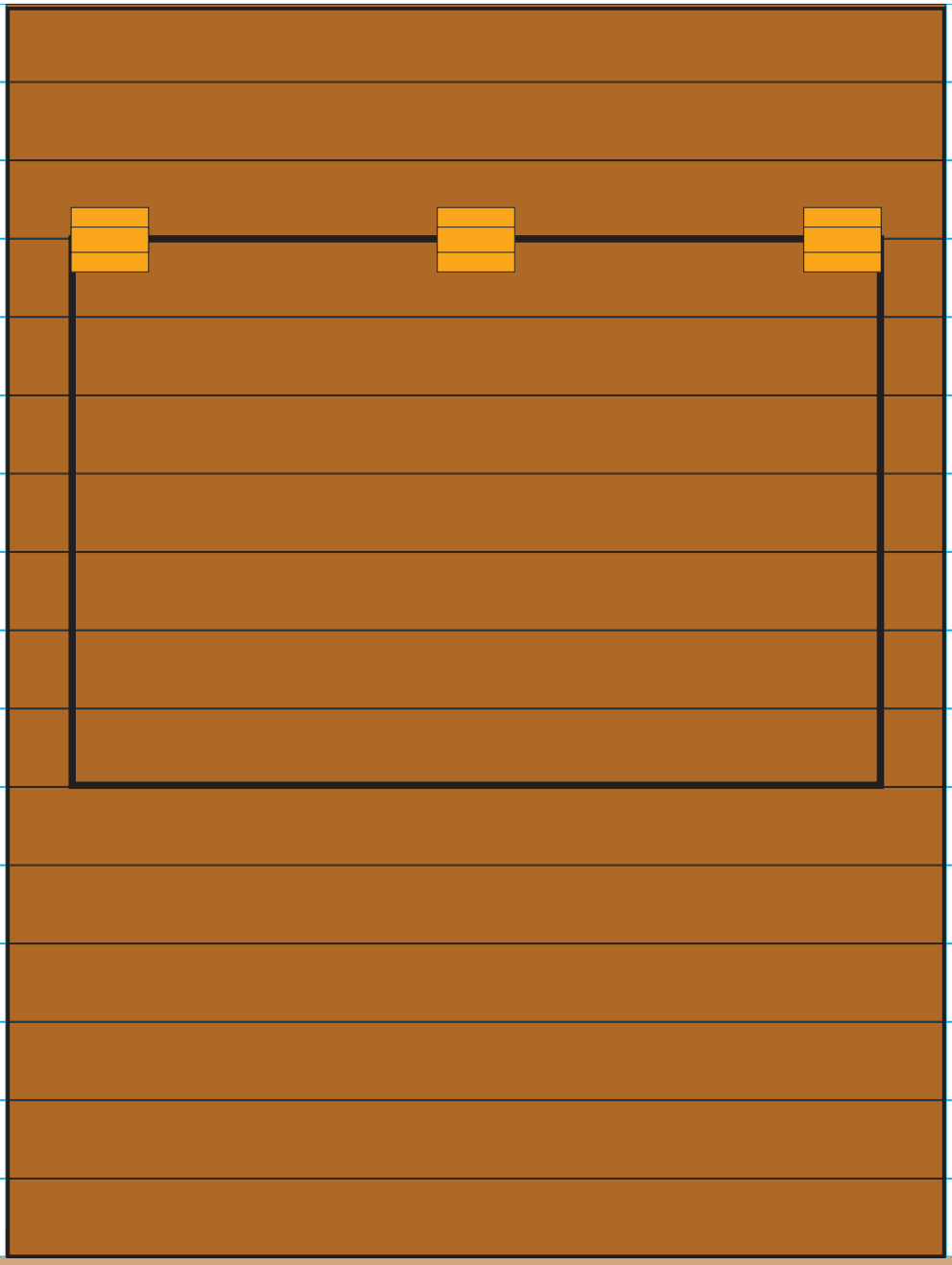
(16) panels per wall panel @ appx. 72” interior & 72.5”+ exterior cut (11.25º)



Wall Panel

Example Exterior Panel (With Closed Window)

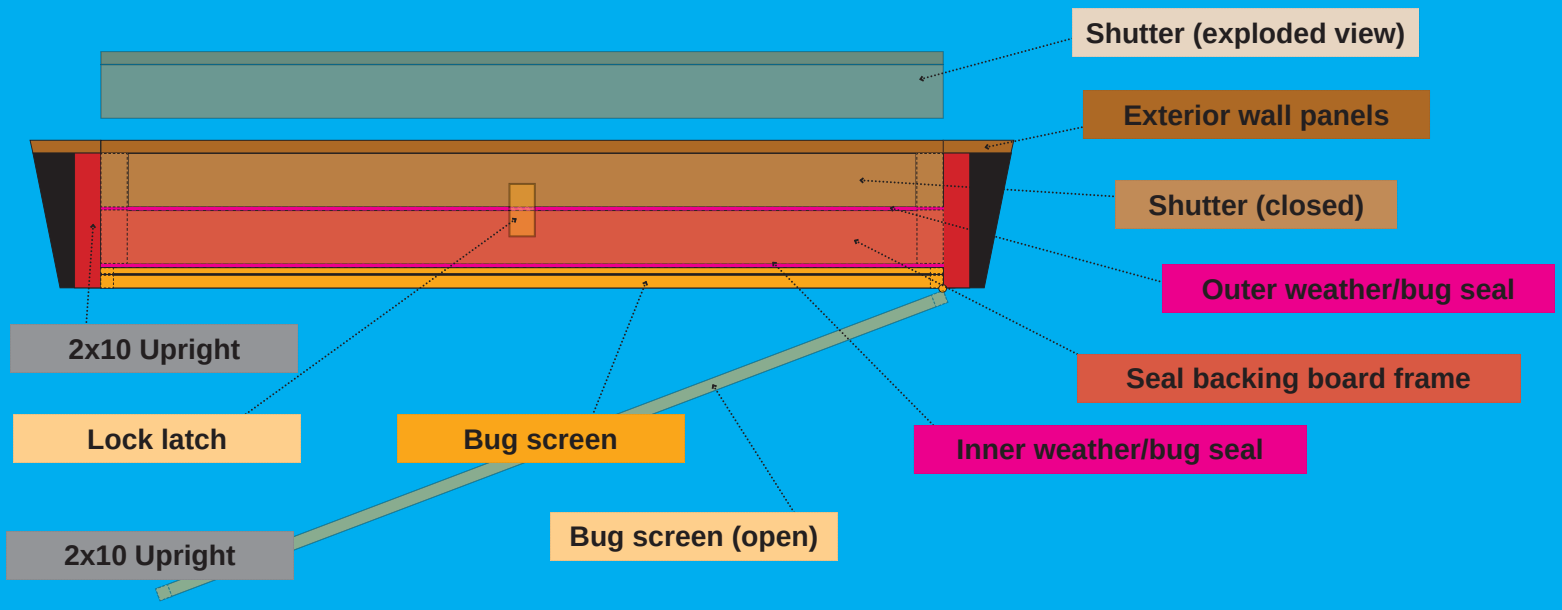
(16) panels per wall panel @ appx. 72” interior & 72.5”+ exterior cut (11.25º)



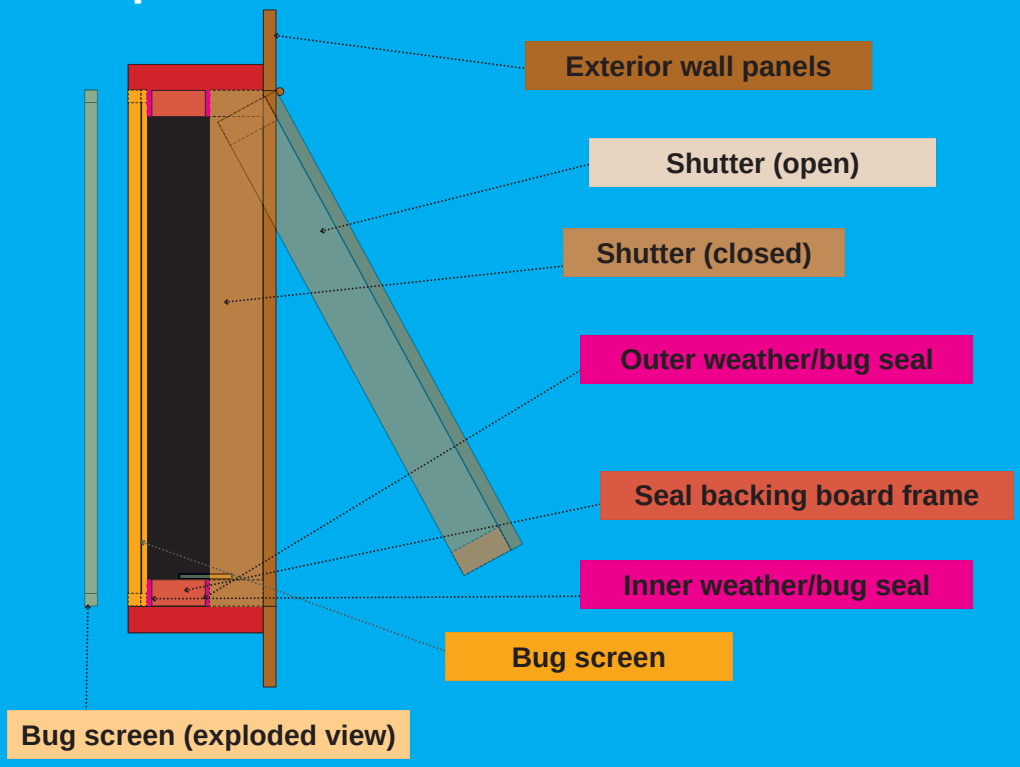
Window Frame

Window Study

Top Profile



Side profile



(Note: Front profile is on page 1)

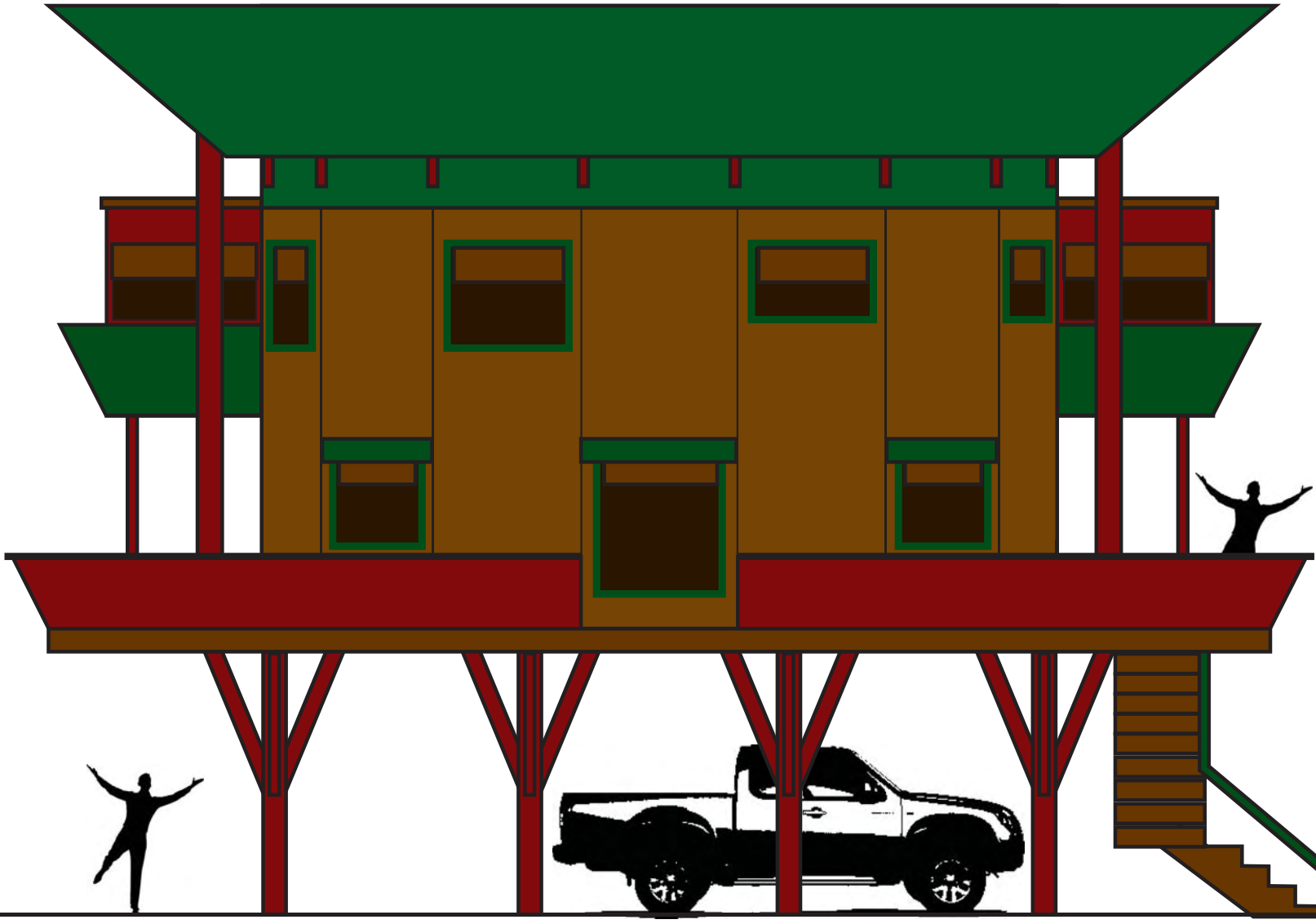
Wall Panel & Window Frame

Materials Breakdown

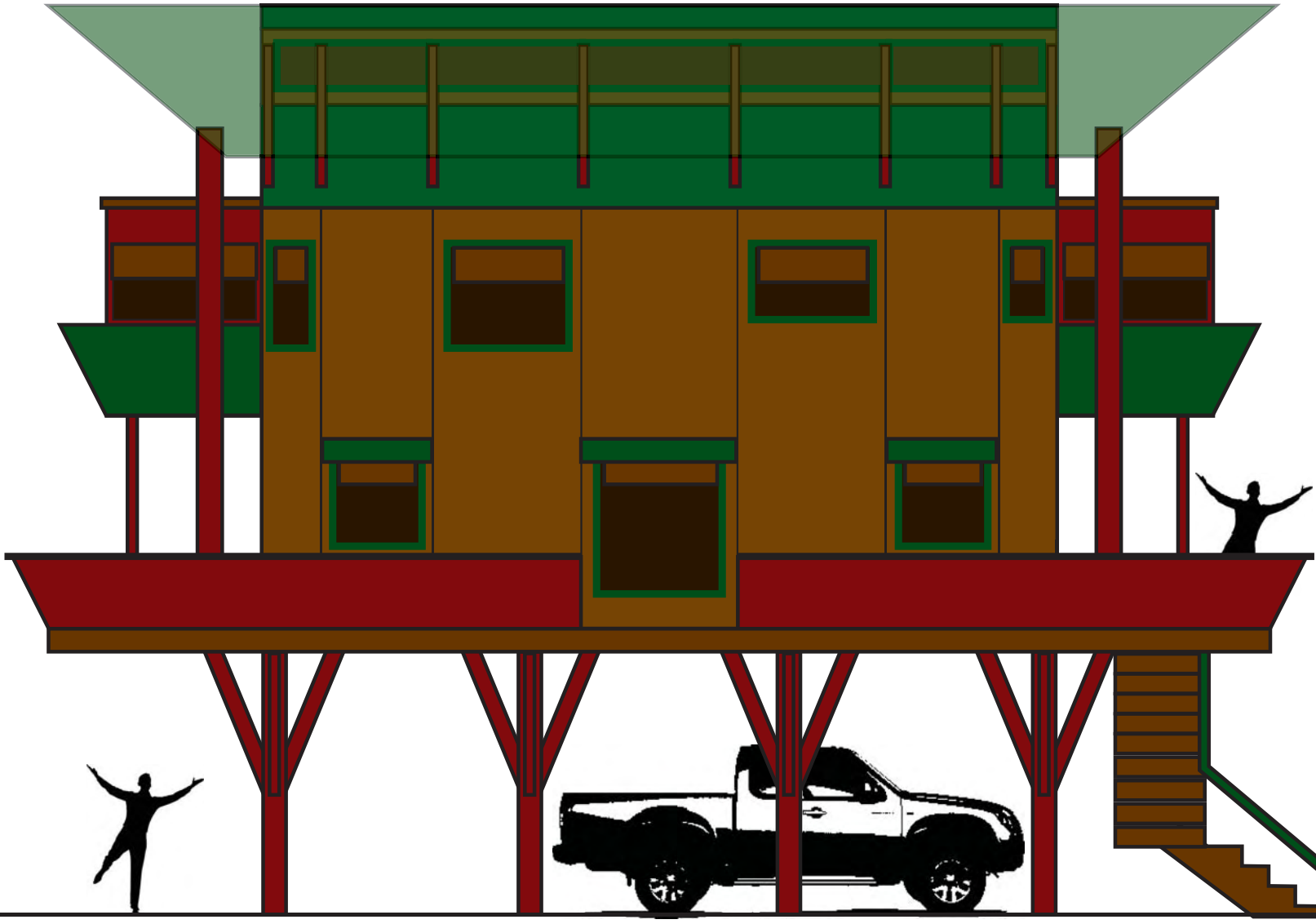
Description	Beam Style	Length	Qty	Total Length.	Total Ft.	Total Linear Sum Rouded Up	Cost
Wall Panel Materials Below:							
Trapazoid Caps	2x10	72”	2	144”	12’	75’	
Horizontal Window Beams	2x10	62”	2	124”	10.33”		
Vertical Side Beams	2x10	92”	2	184”	15.33’		
Long Vertical Flanking Support	2x4	92”	2	184”	15.33’		
Vertical “Above-Window” Beams	2x4	12”	3	36”	3’		
Vertical “Below-Window” Beams	2x4	32”	3	96”	8’		
X-Brace “Below-Window” Trapazoid	2x4	44”	2	88”	7.33’		
X-Brace “Above-Window” Parallelo-	2x4	21”	2	42”	3.5’		
Long Vertical Flanking Support	2x6	92”	2	184”	15.33’	16’	
Outer Panels	1x6	72”	16	1152”	96’	96’	
Screws/Nails		3”		n/a	n/a	n/a	
Additional Window Materials Below:							
Shutter Frame Side Uprights	2x4	38”	2	76”	6.33’	17’	
Shutter Frame Beams	2x4	58”	2	116”	9.66’		
Screen Frame Vert. Upgrights	1x2	44”	4	176”	14.66’	36’	
Screen Frame Horiz. Beams	1x2	62”	4	248”	20.66’		
Shutter Frame Center Uprights	1x6	44”	1	44”	3.66’	4’	
Screen Frame Inner Frame Vert.Upright	1x1	40”	2	80”	6.66”	17’	
Screen Frame Inner Frame Horiz.Beam	1x1	58”	2	116”	9.66”		
Mosquito Screen Material	n/a	62”x45”	1	n/a	62”	2yds (48” bolt)	
Chicken Wire	n/a	62”x45”	1	n/a	62”	2yds (48” roll)	
Weather Seal (4 sides)	2”	214”	1	214”	17.83’	18’	
Inner Cabinet Hinges	n/a	n/a	3	n/a	n/a	n/a	
Outer Gate Hinges	n/a	n/a	4	n/a	n/a	n/a	

SIDE ELEVATION & CEILING VENT

Side Elevation



Ceiling Vents



BUDGET GOALS

Material Cost Budget Study

Top Walls, Ceiling & Roof: $6k USD?

Walls & Windows: $6k USD?

Foundation Base Platform: $6k USD? (+Labor/Assistance)

