

## The Satellite House Ojai, California

**Project:** Design a small footprint, minimalist home for a rural 1 acre lot in the East End of Ojai.

**Challenges:** Factors to consider in the design process include: climate, building codes, budget, and client vision. One major constraint is due to the lot being located in a flood zone with building codes that limit the construction materials allowed in the first 4 feet above the highest adjacent grade. Along with the extreme summer heat and cold winters, the client's wish for thick exterior walls led to the solution of designing for ICF (insulated concrete form) construction.

Due to the flood plain, a minimum interior floor height of 4 feet needs to be met, potentially causing a more massive structure, which is at odds with the client's wish for a home that takes up minimal visual space. A solution was found in a suspended bridge, which connects the main structure from a bedroom wing 'satellite' structure, giving the house a lighter look, and unique feature, while allowing potential flood waters to pass underneath.



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D4

FLOOR PLAN OVERVIEW

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PROJECT

SATELLITE HOUSE OJAI  
satellitehouseojai.com

LOCATION

Ojai, Ventura County, CA  
APN 0290100450

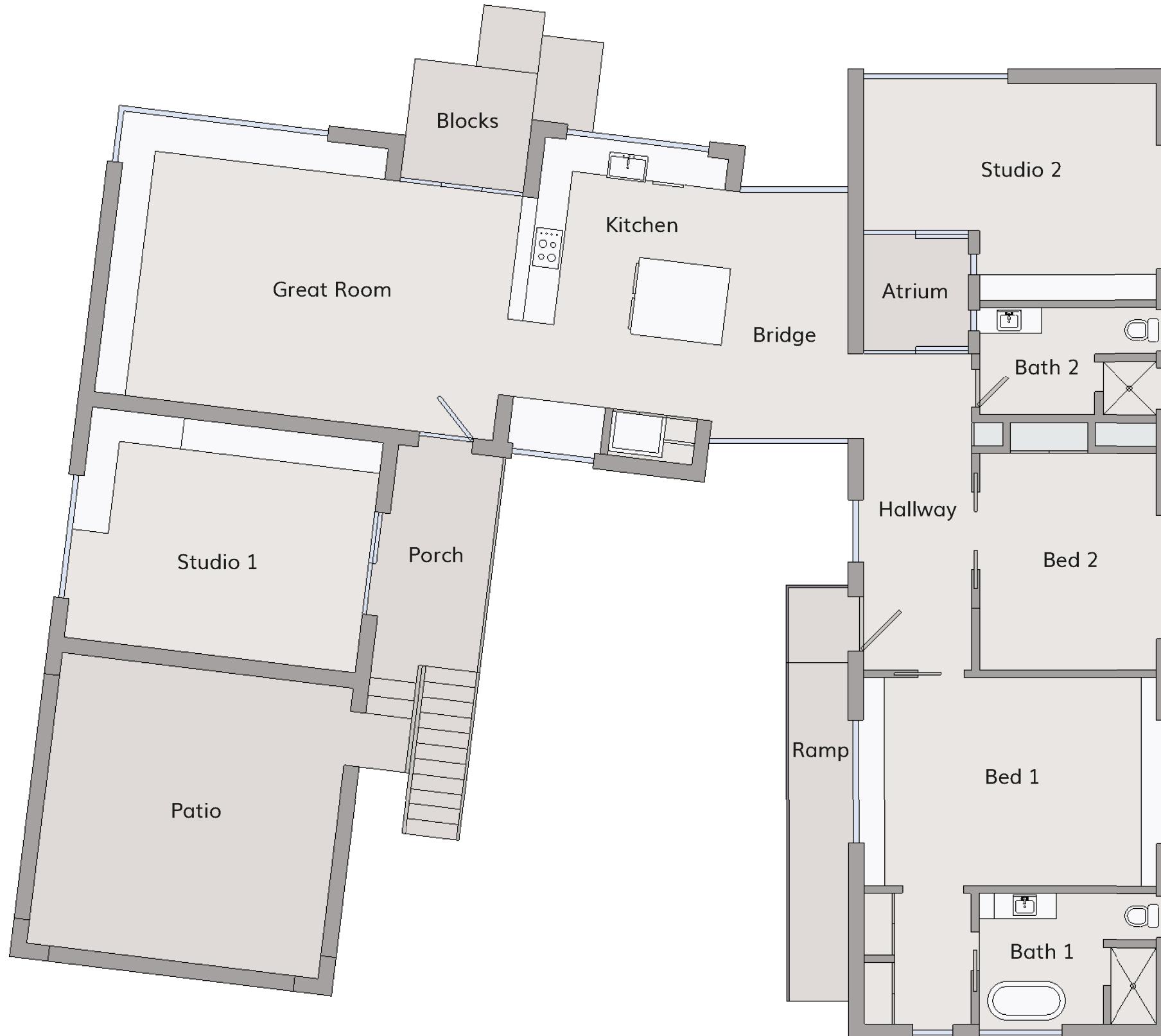
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d4

A2

## MAIN WING FLOOR PLAN

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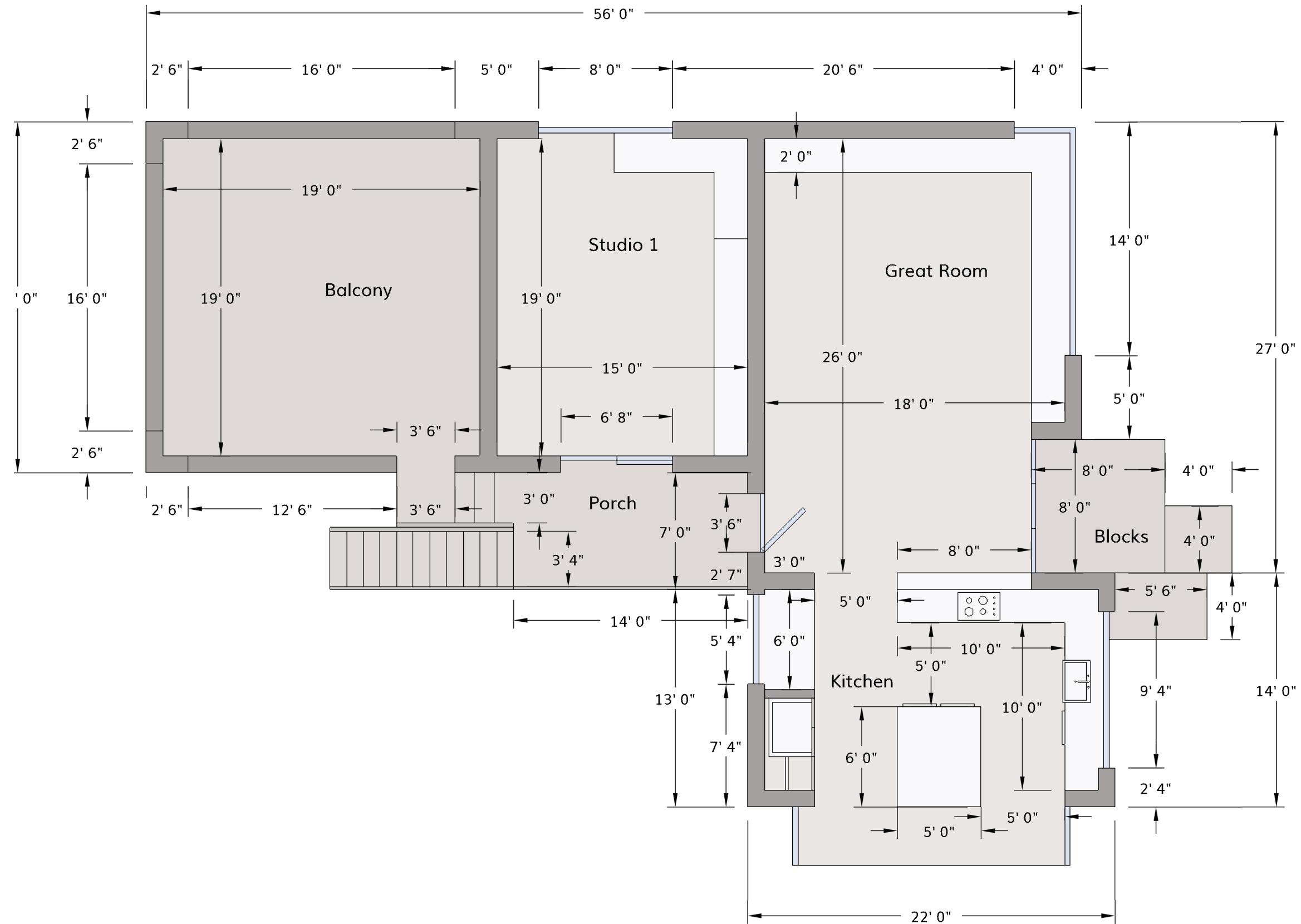
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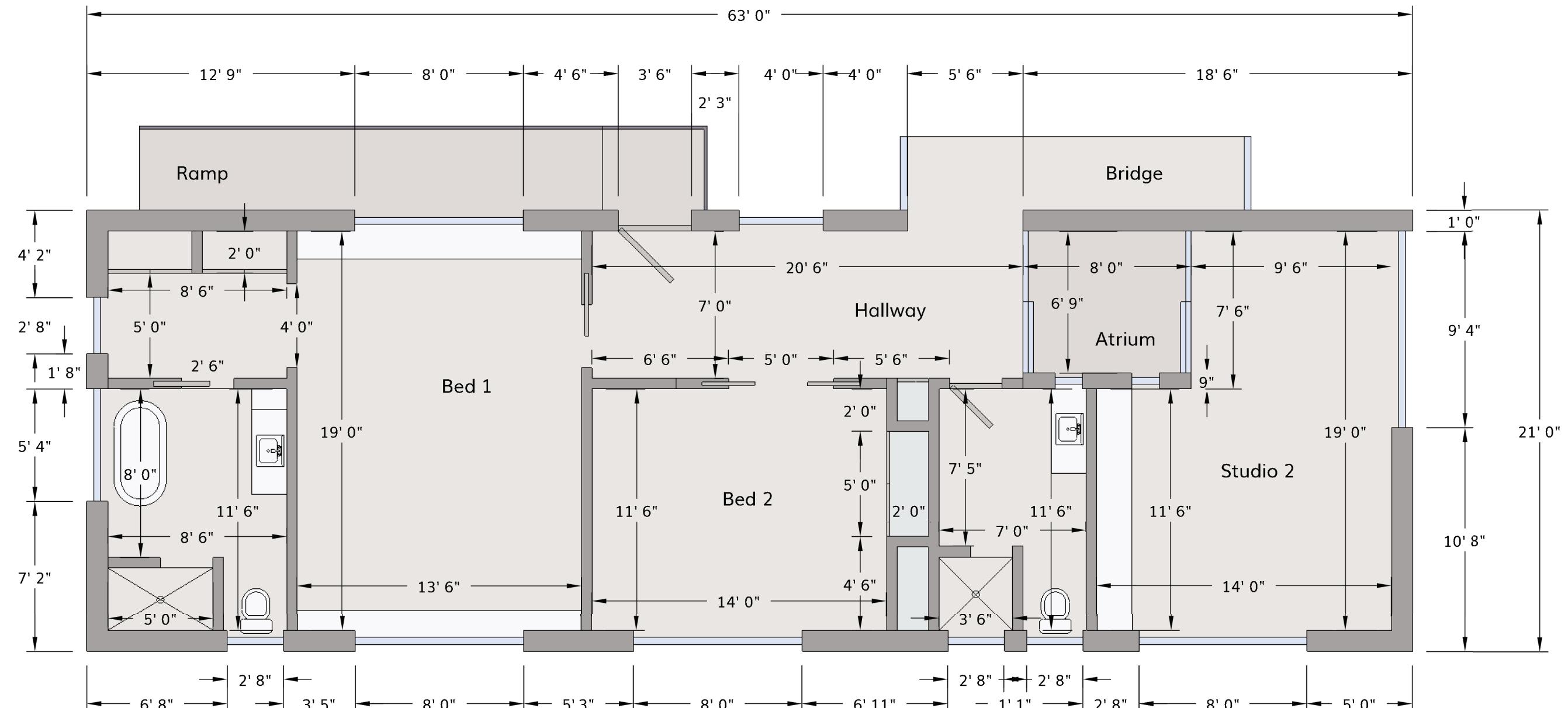
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A2



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## BEDROOM WING FLOOR

A3

A4

BRIDGE FLOOR PLAN\

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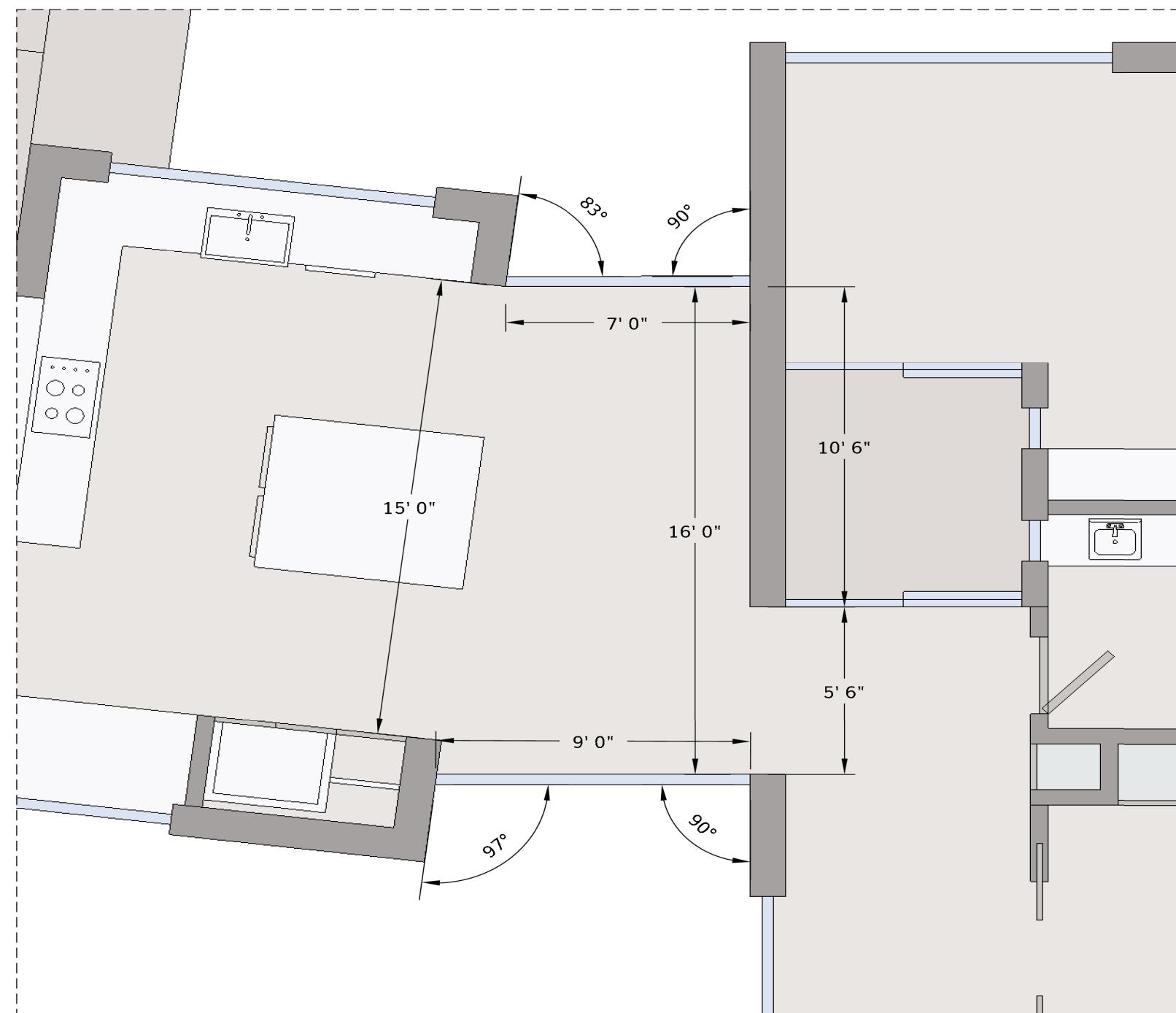
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A4

B1

WALL TYPES

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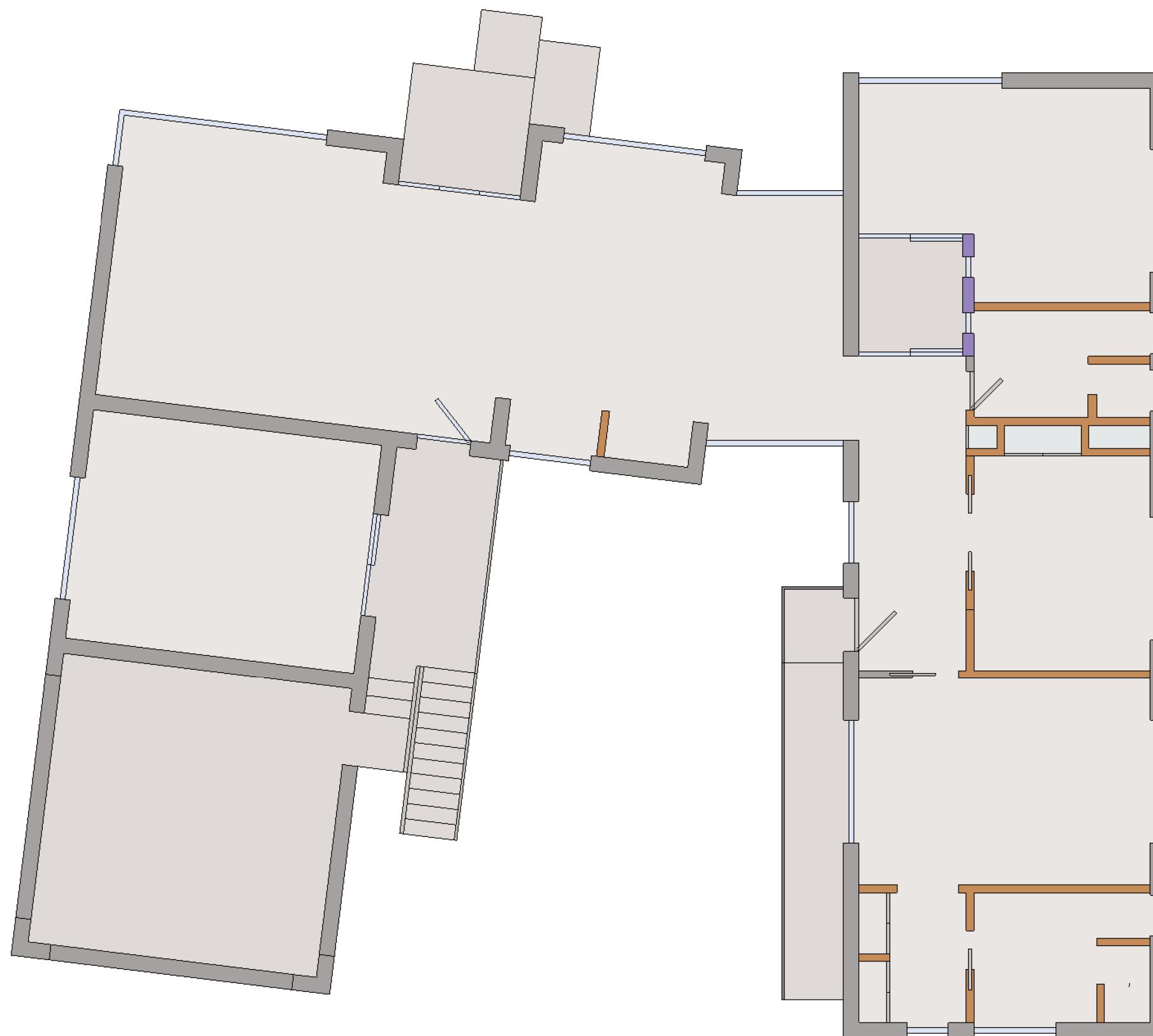
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6" Core ICF Wall



4" Core ICF Wall



Lumber Framed Wall

B1

B2

HEATING & COOLING

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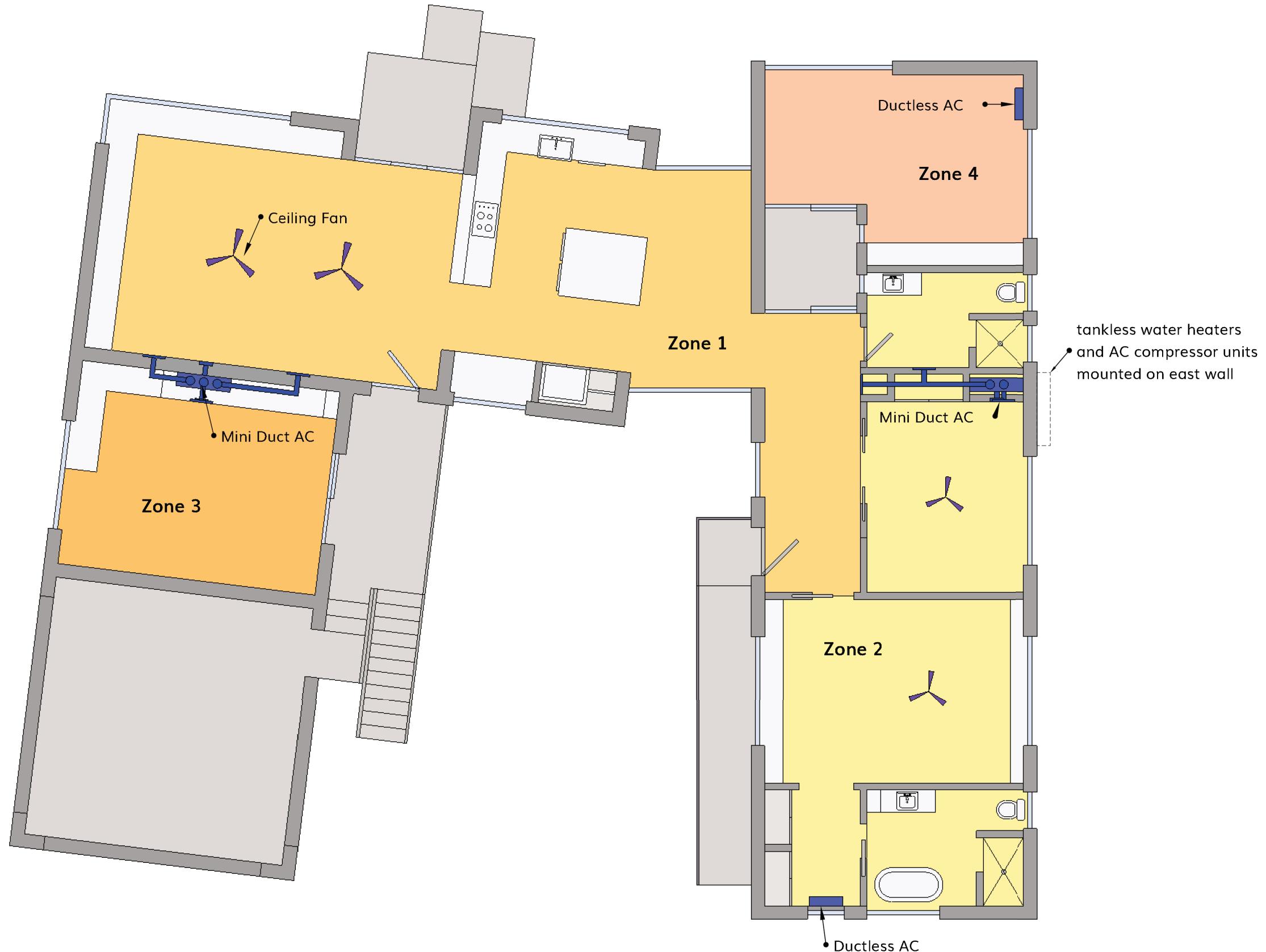
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B2

c1

WINDOW & DOOR PLAN

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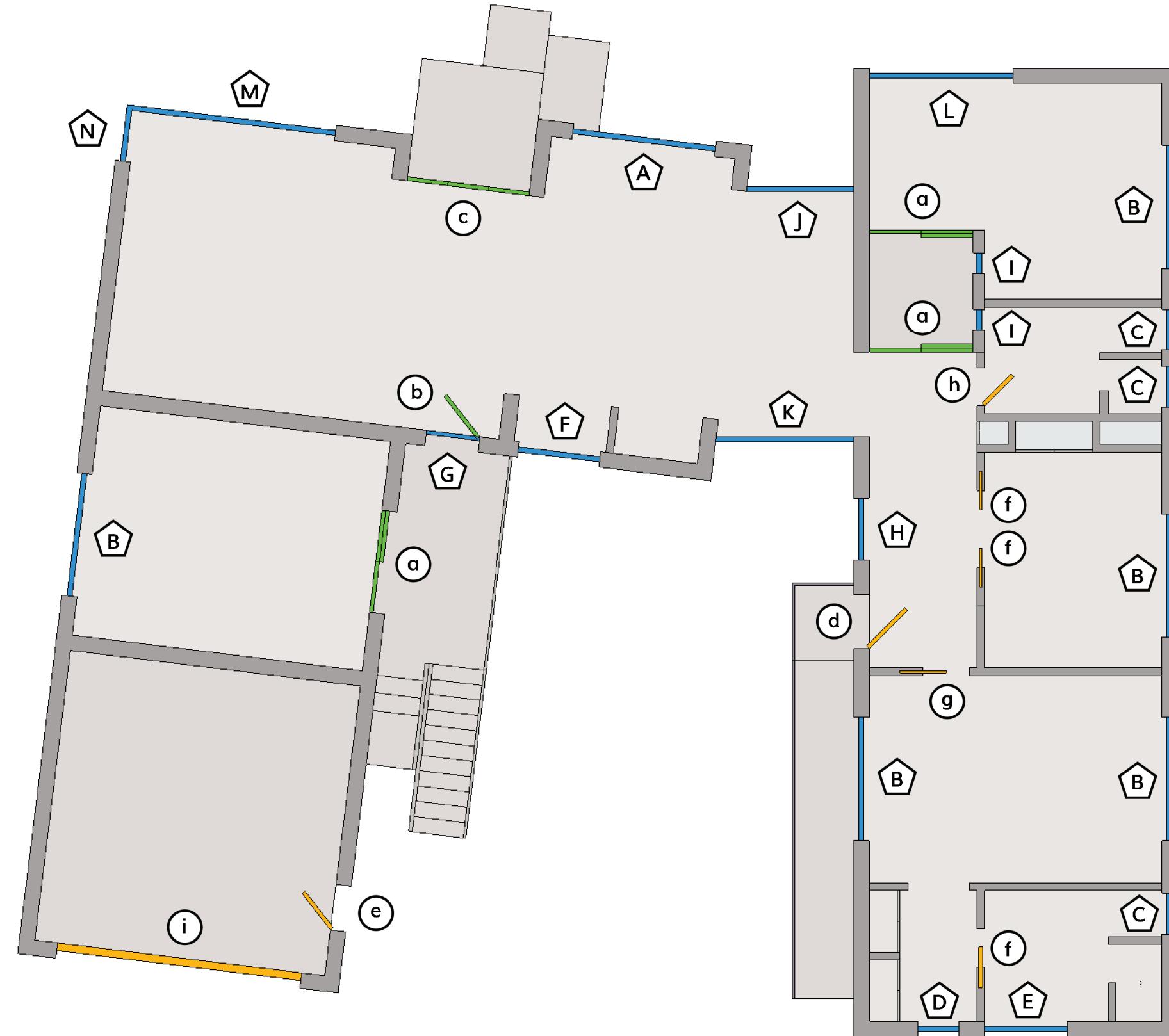
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Window

Door

Glass Door

c1

c2

**WINDOW & DOOR SCHEDULE**

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**WINDOW**

Label	Quantity	Width	Height	Type	Room
A	1	112"	32"	Bi-Fold - Western Series 9500	Kitchen
B	5	96"	32"	Casement - Western Series 670	Bed 1 (2), Bed 2, Studio 1, Studio 2
C	3	32"	32"	Casement - Western Series 670	Bath 2 (2), Bath 1
D	1	32"	48"	Casement - Western Series 670	Bed 1
E	1	64"	48"	Casement - Western Series 670	Bath 1
F	1	64"	32"	Casement - Western Series 670	Kitchen
G	1	42"	32"	Awning - Western Series 670	Great Room
H	1	42"	80"	Combo: Western Series 670 Casement and Series 600 Fixed	Hallway
I	2	16"	32"	Casement - Western Series 670	Bath 2, Studio 2
J	1	84"	96"	Window Wall - Western Series 600	Bridge
K	1	108"	96"	Window Wall - Western Series 600	Bridge
L	1	112"	96"	Combo: Western Series 670 Casement and Series 600 Fixed	Studio 2
M	1	160"	80"	Window Wall - Western Series 600	Great Room
N	1	34"	80"	Combo: Western Series 670 Casement and Series 600 Fixed	Great Room

**DOORS**

Label	Quantity	Width	Height	Type	Room
a	3	80"	80"	Sliding Glass Door - Western Series 600	Studio 1, Studio 2, Hallway
b	1	42"	80"	Hinged Glass Door - Western Series 900	Great Room
c	1	96"	96"	Bi-Fold Glass Door - Western Series 9500	Great Room
d	1	42"	80"	Steelcraft L-Series - Level 2	Hallway
e	1	42"	84"	Steelcraft L-Series - Level 2	Garage
f	3	30"	80"	Interior Pocket Door	Bed 1, Bed 2 (Double Pocket)
g	1	36"	80"	Interior Pocket Door	Bed 1
h	1	30"	80"	Interior Hinged Door	Bath 2

c2

c3

WINDOW & DOOR DETAILS

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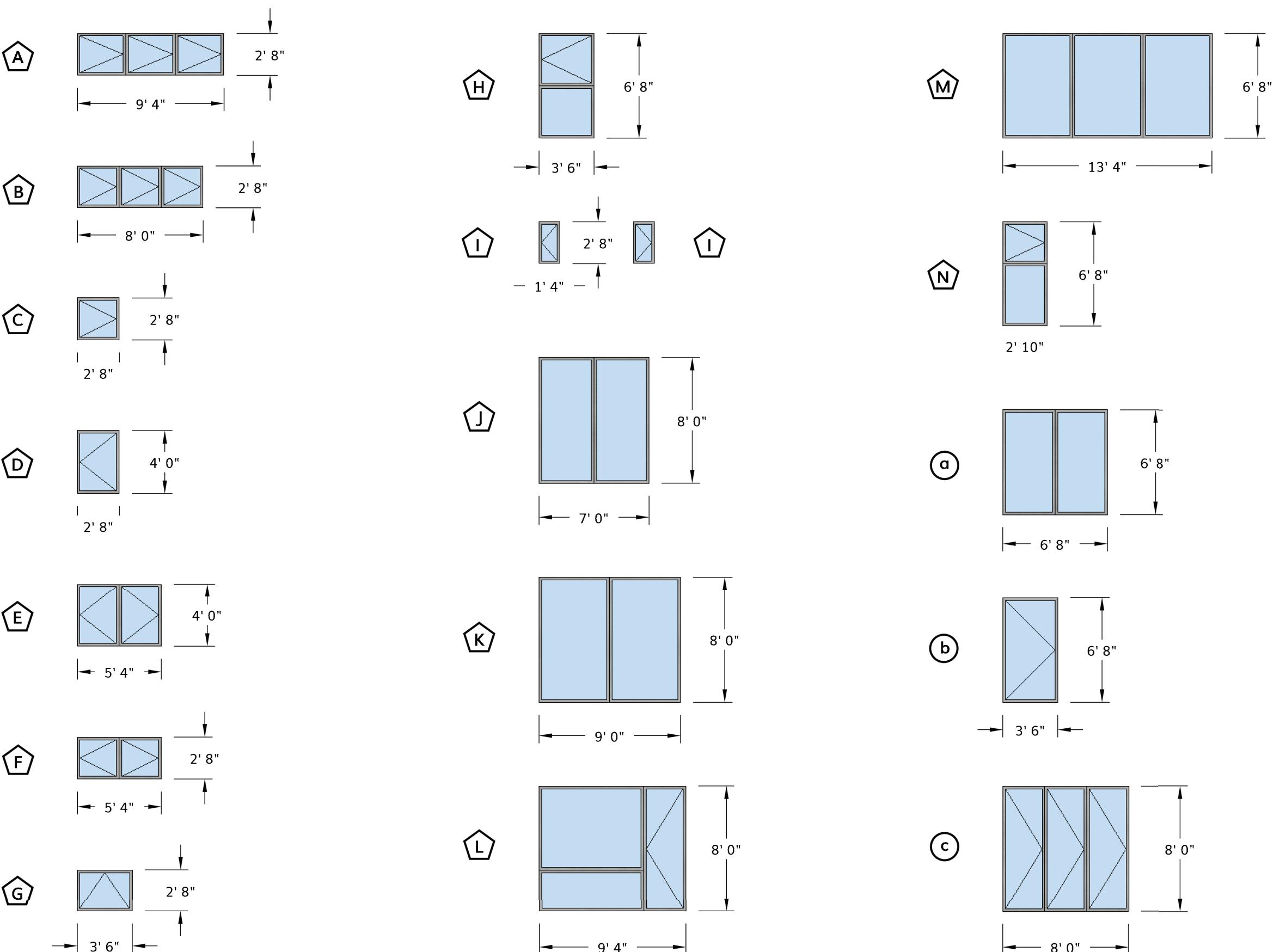
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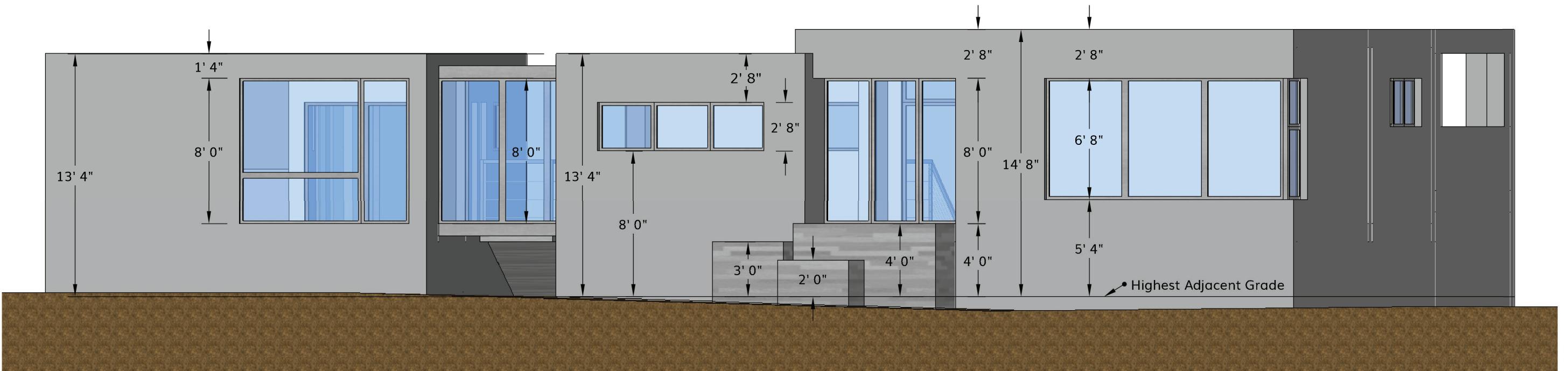
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c3



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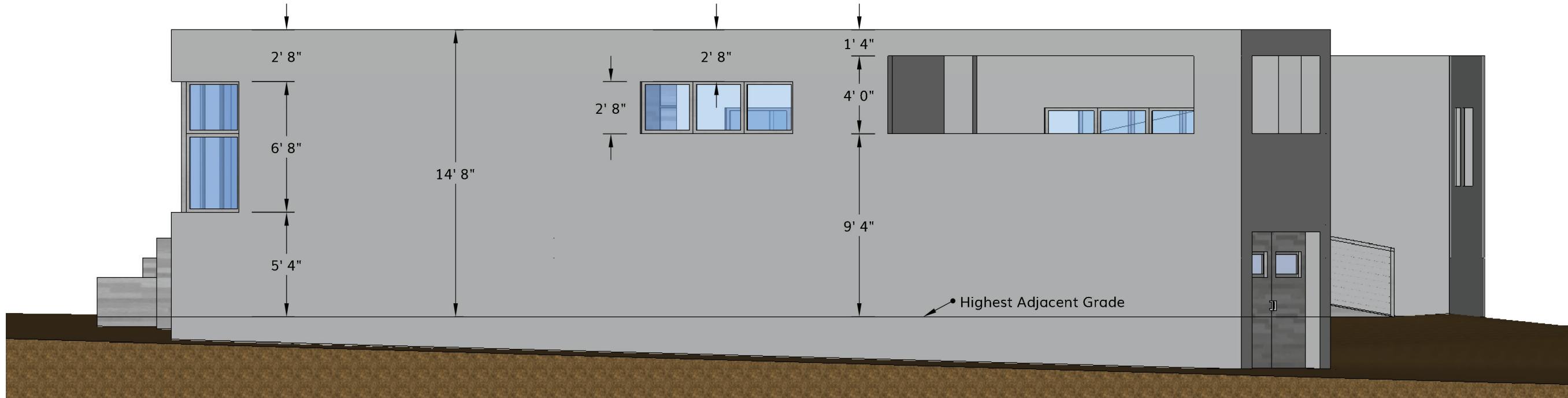
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NORTH ELEVATION  
D1



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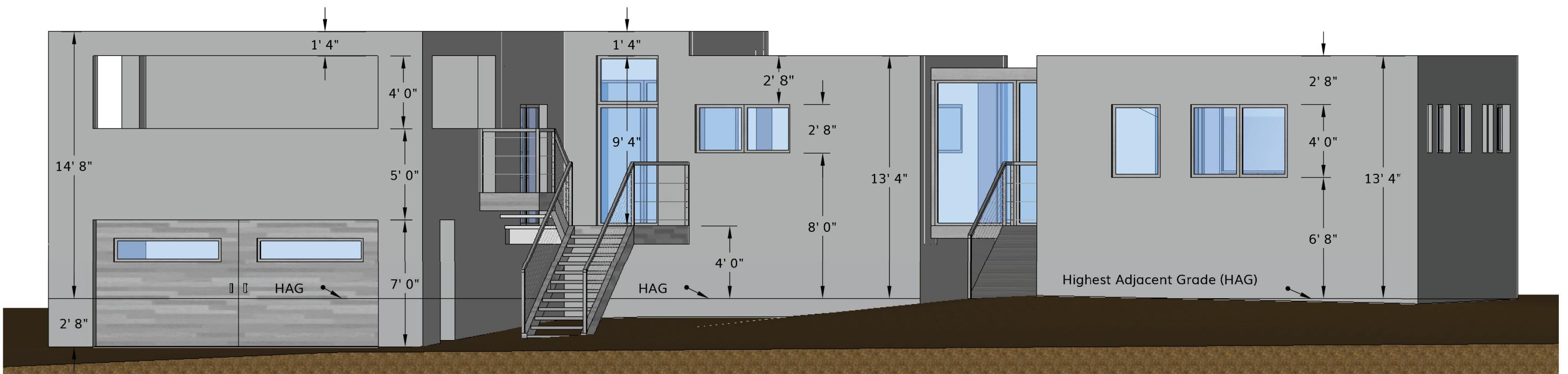
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WEST ELEVATION  
D2



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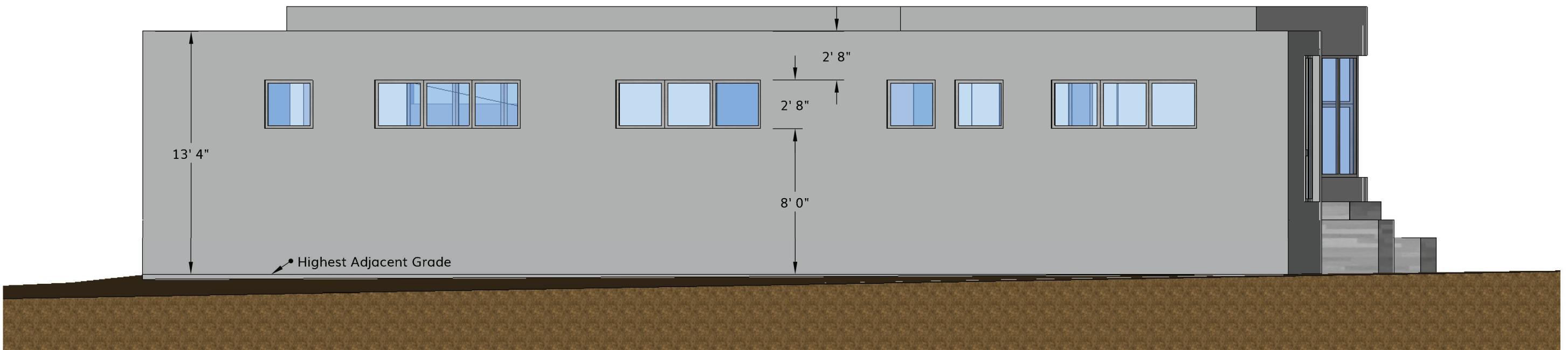
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SOUTH ELEVATION  
D3



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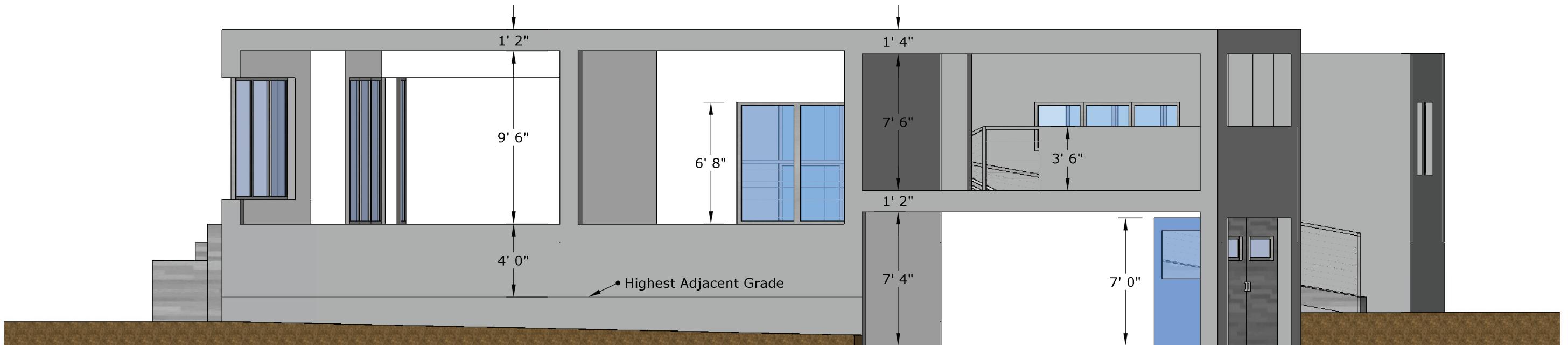
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EAST ELEVATION  
D4



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WEST SECTION  
D5

E1

SITE PLAN

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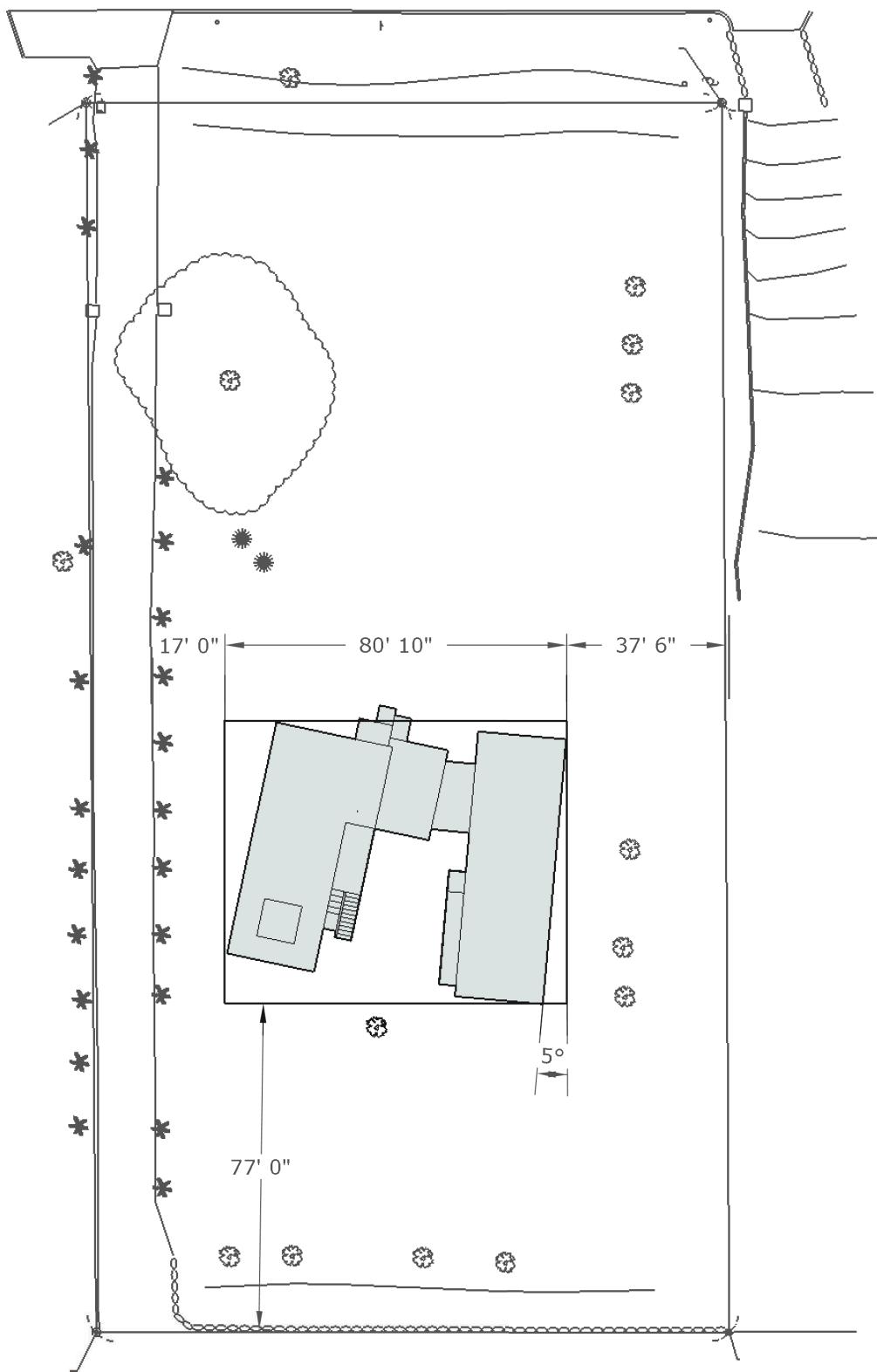
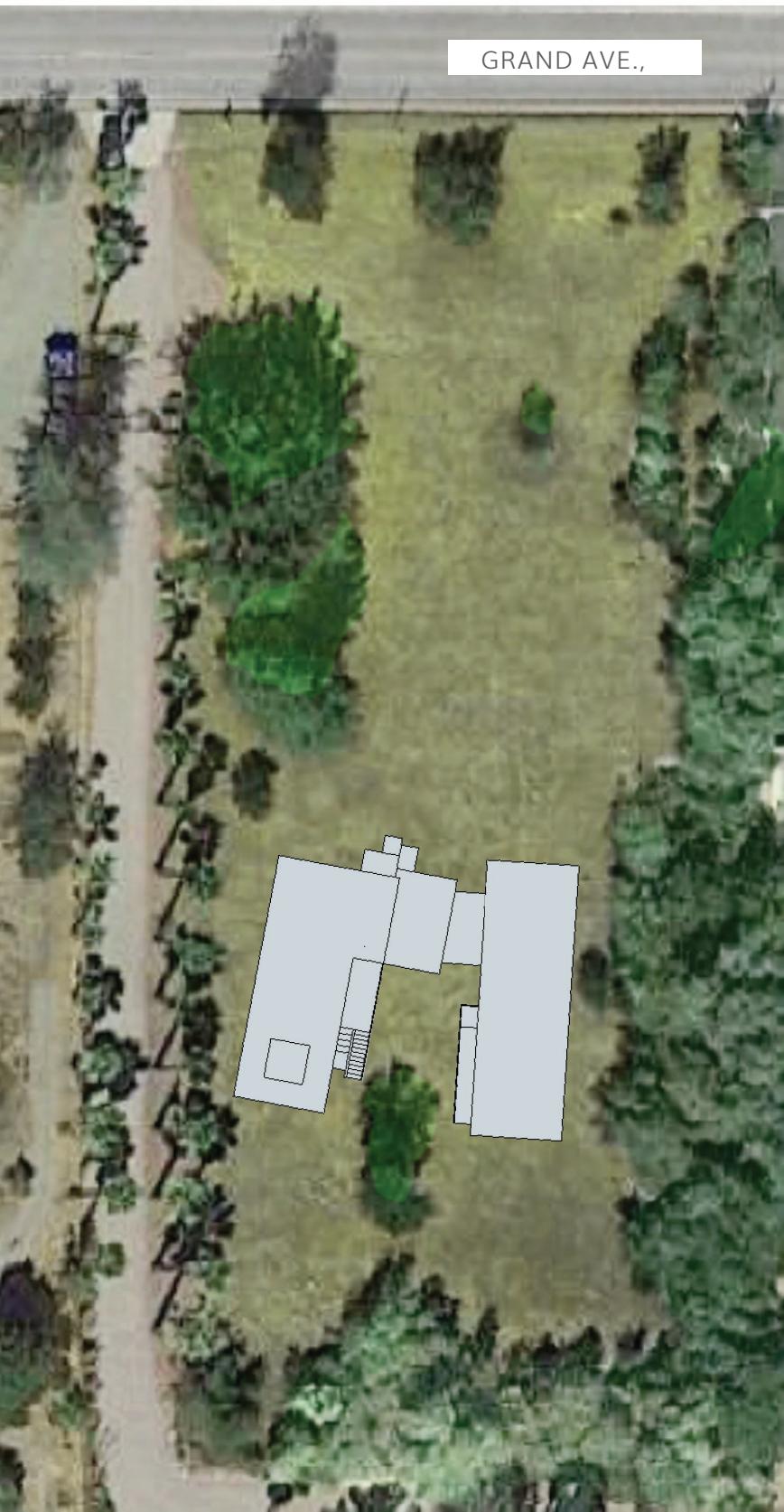
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E1