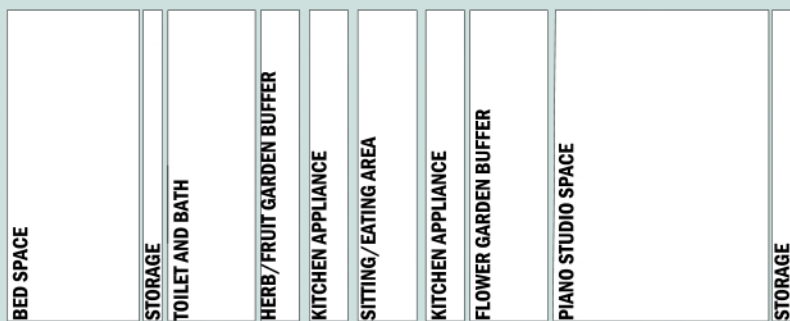


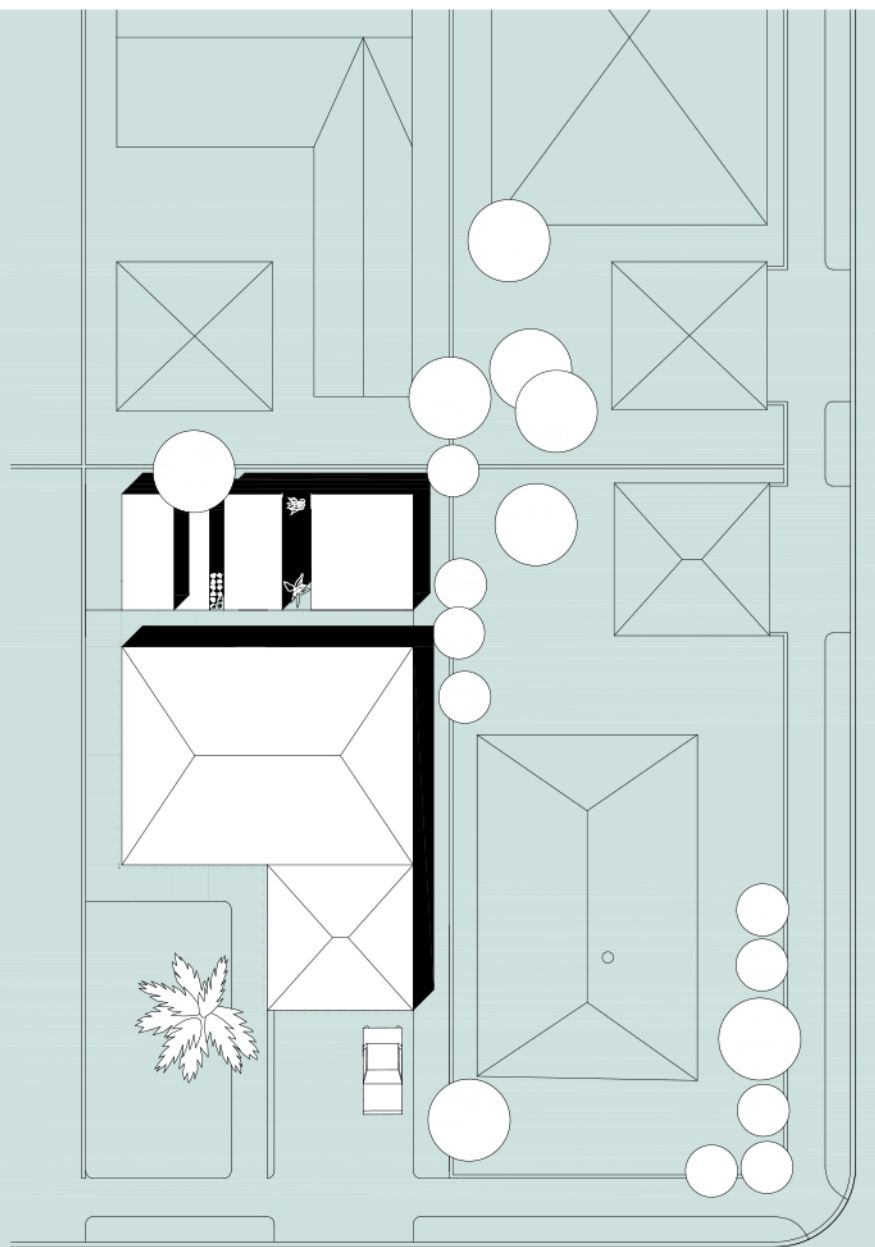
BARCODE HOUSE

Barcode House is an ADU prototype for modular and adaptable live-work environments. This project proposes a strategy for programmatic flexibility that is easily adaptable to different live-work scenarios. It consists of a series of prefabricated base modules necessary for living and working. These modules can be arranged in any manner that is best suited for a particular use, and are connected by courtyard-garden spaces. Like a binary barcode containing bars and spaces of two different widths, the base modules can be arranged in many different ways to reflect a particular user's needs, including live-work spaces for small businesses or creative industries to a dormitory for students studying a particular art. In the latter scenario, and in the scenario depicted, a piano teacher lives in the existing house while two of her students dorm in the ADU.

The base modules are fabricated off-site using a simple steel tube framework with a wooden platform frame infill, creating opportunity for varied openings which layer the space visually and physically. Slices of natural light are admitted either from clerestory windows or from the garden zones between the base modules. The ADU achieves spatial variety that is both introverted and extroverted, providing privacy, and at the same time, connects interior volumes with outdoor garden spaces.

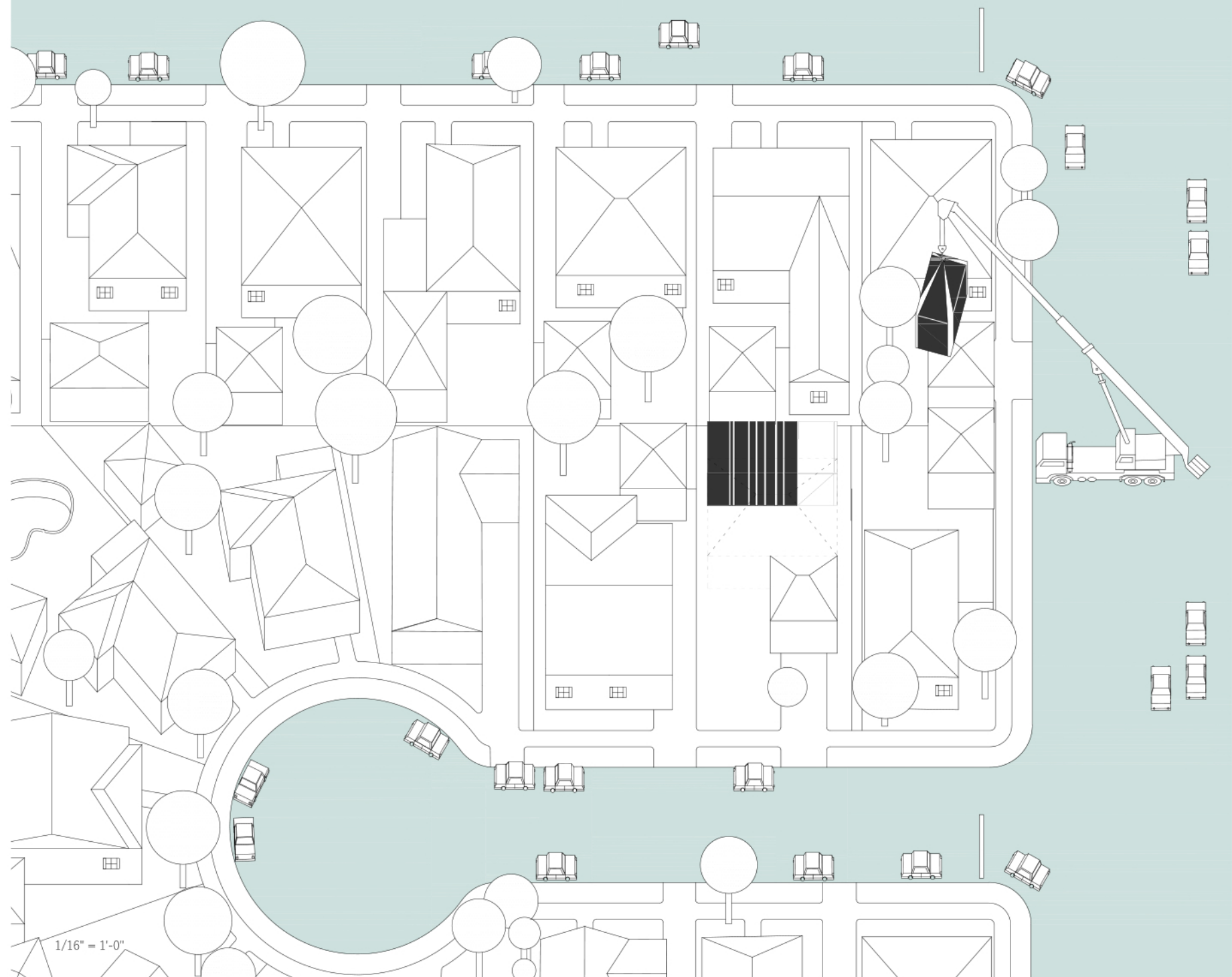


HORIZONTAL "BAR CODE" PLAN DIAGRAM

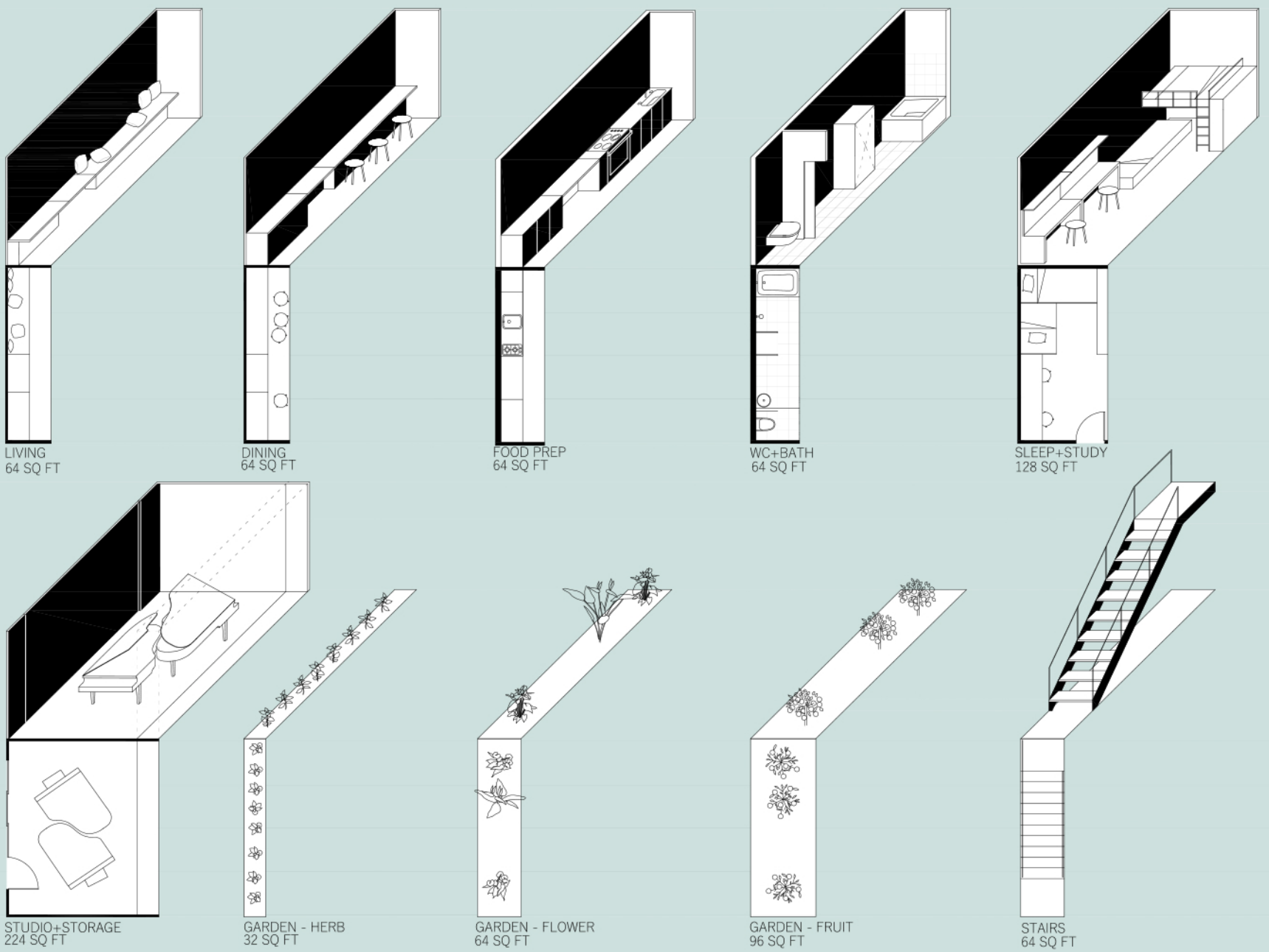


SITE PLAN: #2 ADU: 515 SF

3/32" = 1'-0"

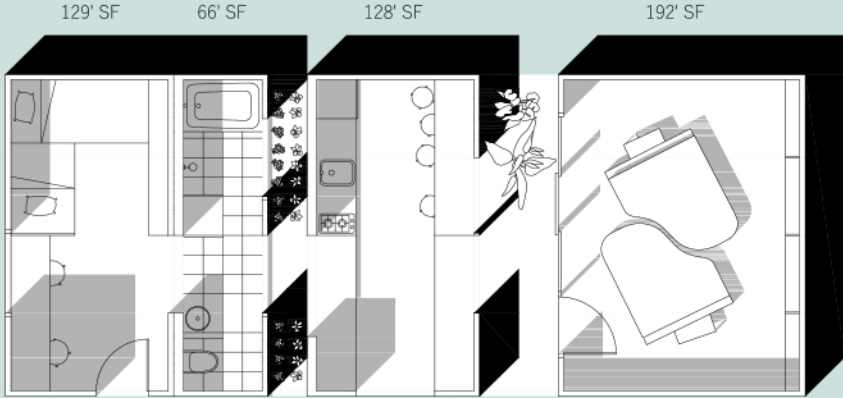


1/16" = 1'-0"



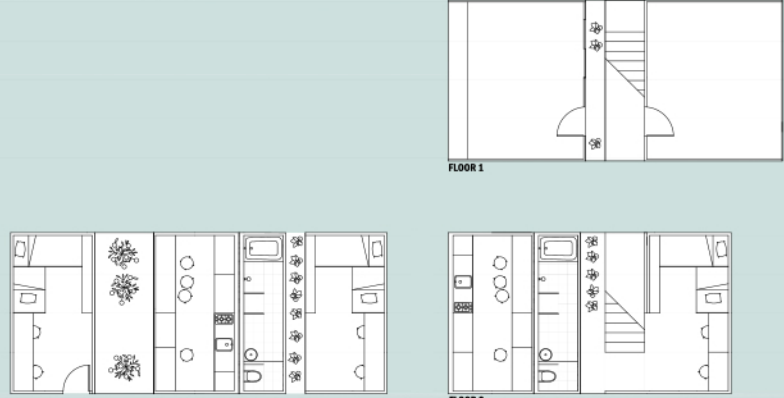
UNIT MODULES

3/16" = 1'-0"

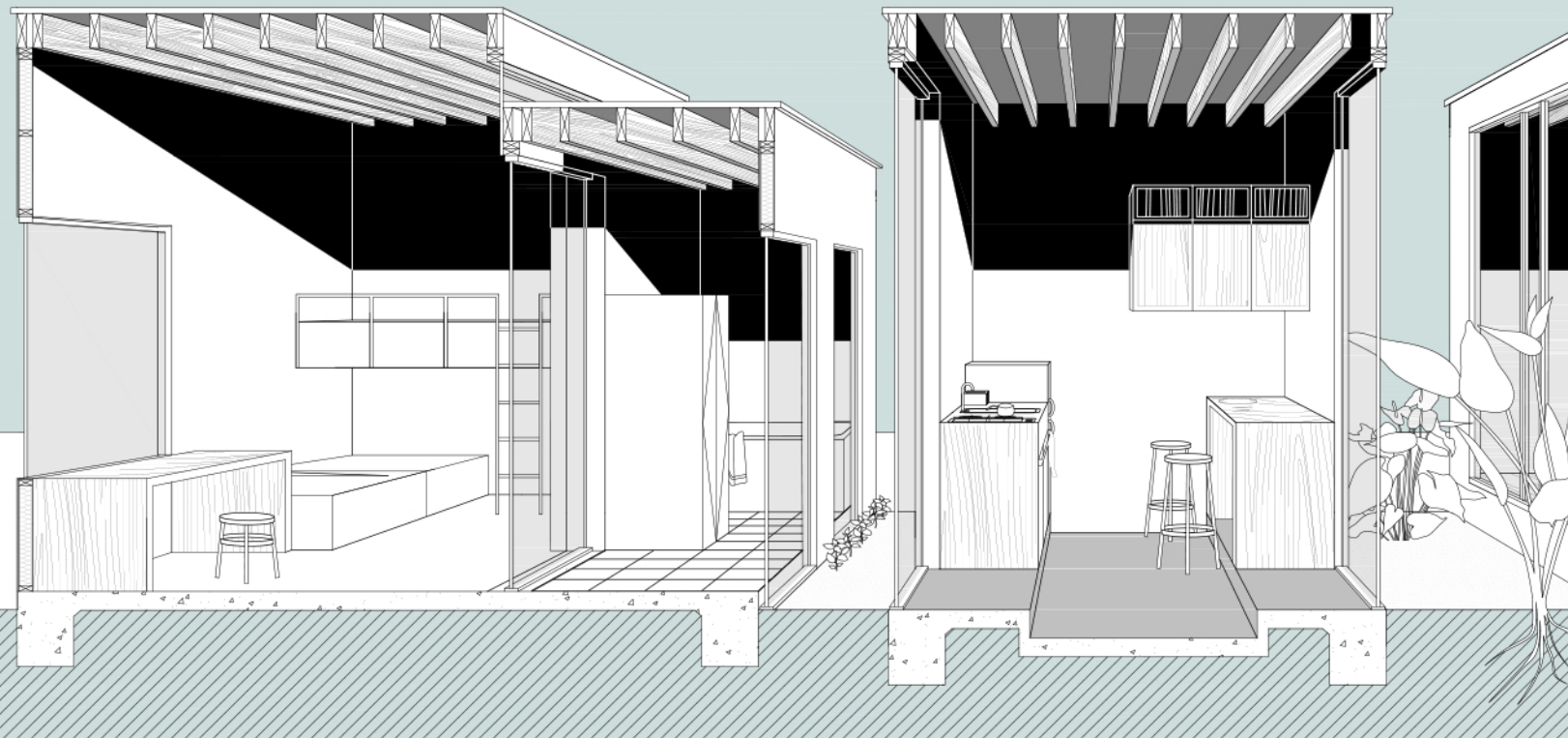


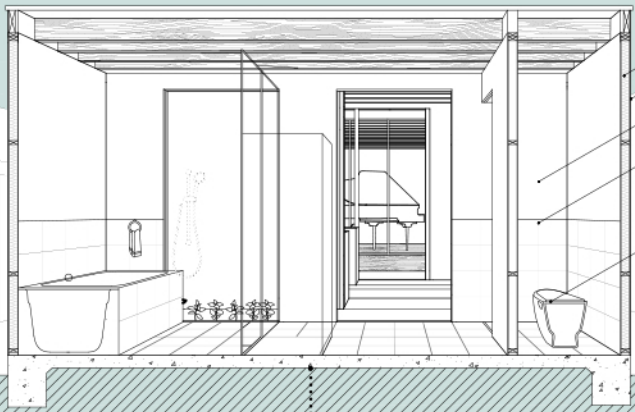
ADU FLOOR PLAN 515 SQ FT

SCENARIO 1: PIANO STUDIO
1/4" = 1'-0"

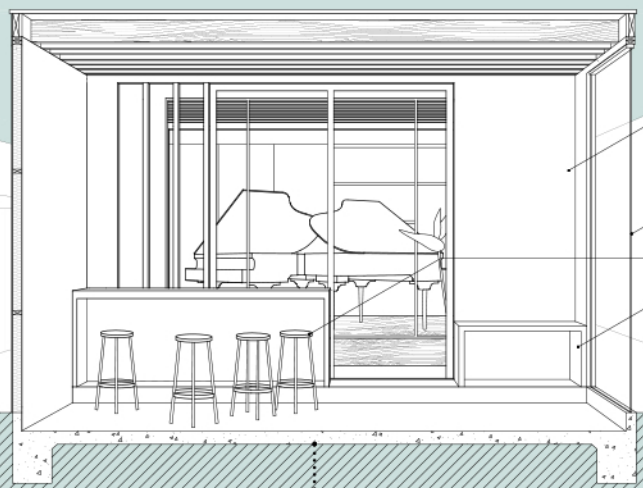


+10'-8"
+10'-0"
+0'-6"
+0'-0"
-0'-6"
3/4" = 1'-0"

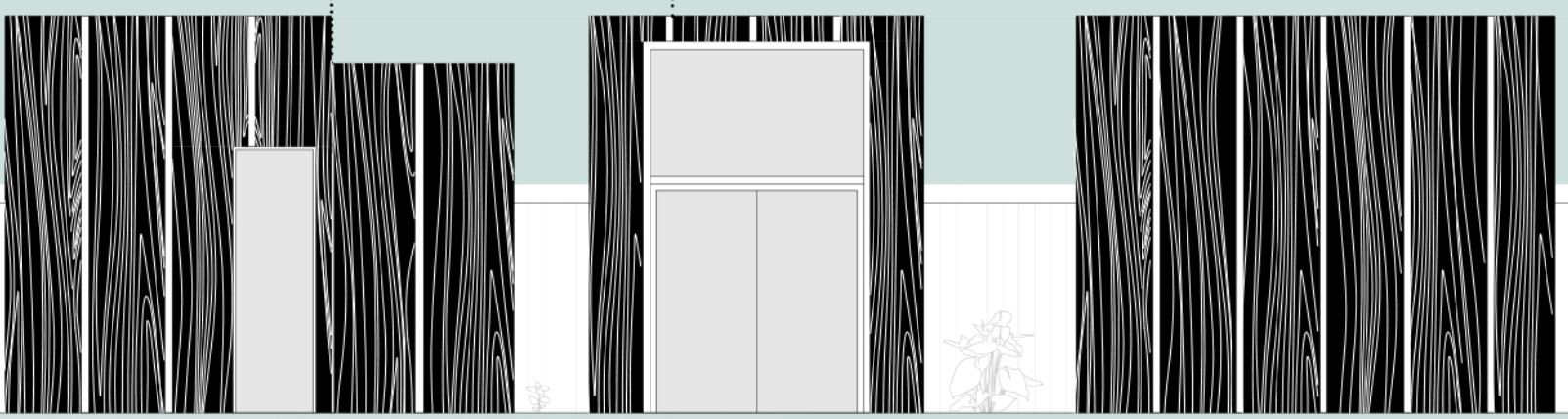




- INSULATION
- WHITE-PAINTED D.F.
- WHITE CEMENT BOARD
- BAJA 12 IN. X 12 IN. BEIGE CERAMIC FLOOR AND WALL TILE \$0.49/SQ FT
- AQUA WALL-HUNG DUAL-FLUSH TOILET

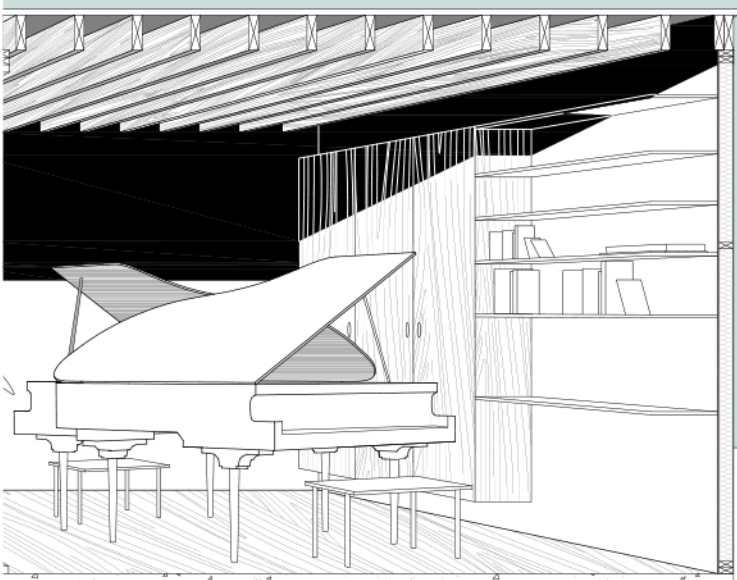


- WHITE CEMENT BOARD
- "WESTERN WINDOW"
- MAGIS DEJA-VU STOOL
- BUILT-IN D.F. BENCH



EXTERIOR ELEVATION - SOUTH

1/2" = 1'-0"



CORRUGATED METAL ROOF

- "TYVEK" VAPOR BARRIER
- 2X8 D.F. RAFTERS
- 2X3 D.F. TOP PLATES

- ALUMINUM "WESTERN WINDOW"
- 2X3 D.F. BLOCKING
- 2X3 D.F. STUDS @ 12" O.C.

2X3 D.F. BOTTOM PLATE

4" CONC. SOG FOOTING

3/4" = 1'-0"