

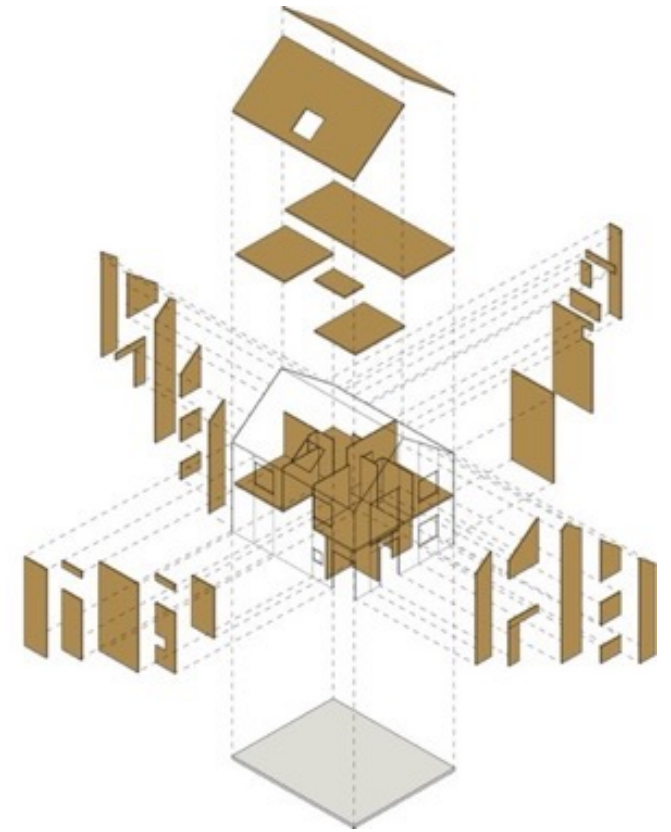


Rendering by Simone O'Halloran

MPP Panelized Housing: Pilot Project planned for Milwaukie, OR  
University of Oregon Faculty Leads: Mark Fretz, Judith Sheine

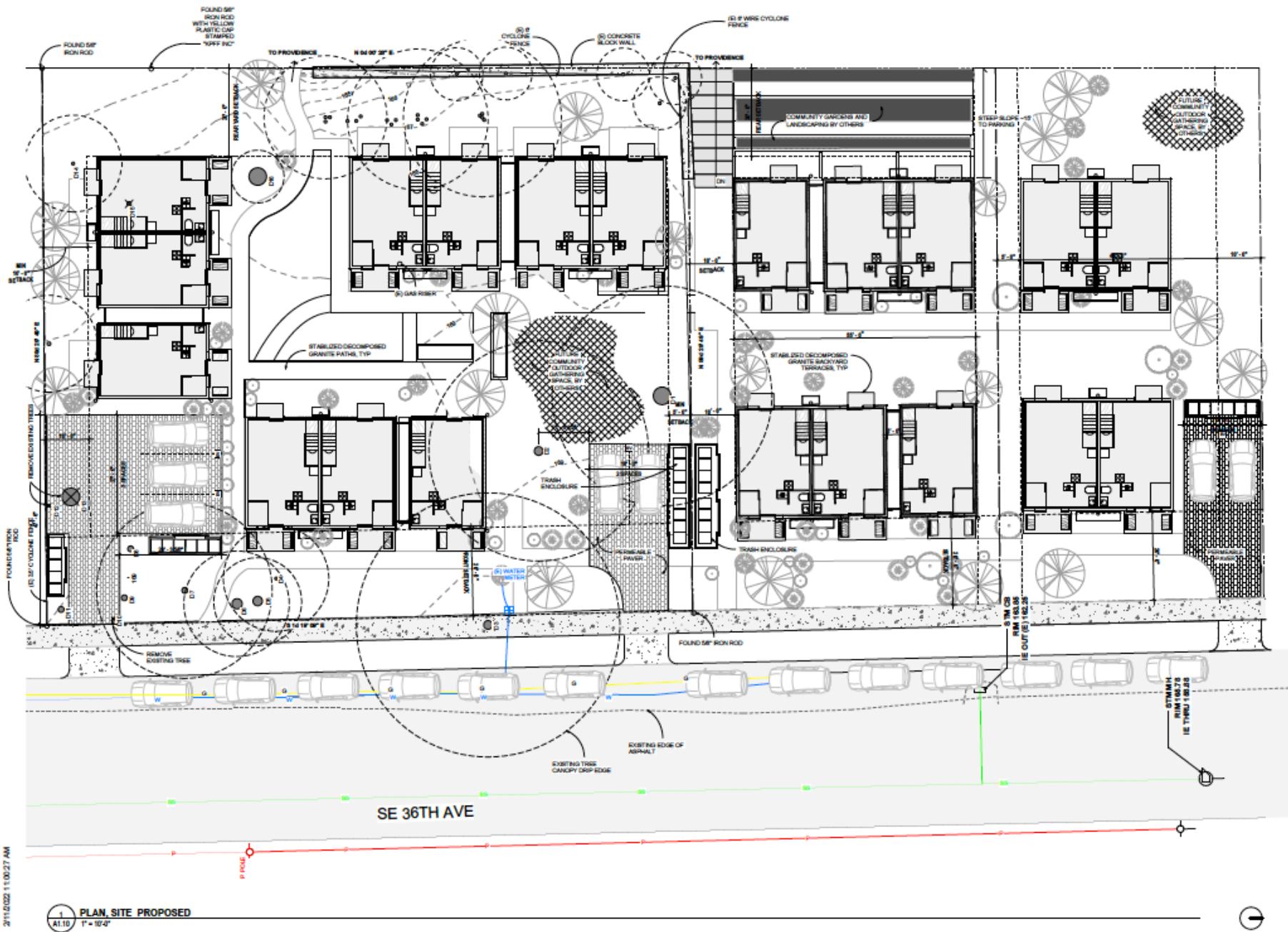


Rendering by Flynn Casey and Christiana Hedlund



## HomeWork Development





**RESILIENT  
MODULAR CONCEPT  
LIVING**

10325 SE 36th Avenue  
Milwaukie, Oregon 97222



**PLAN,  
PROPOSED  
SITE**

**A1.10**

SCALE | 1" = 10'-0"

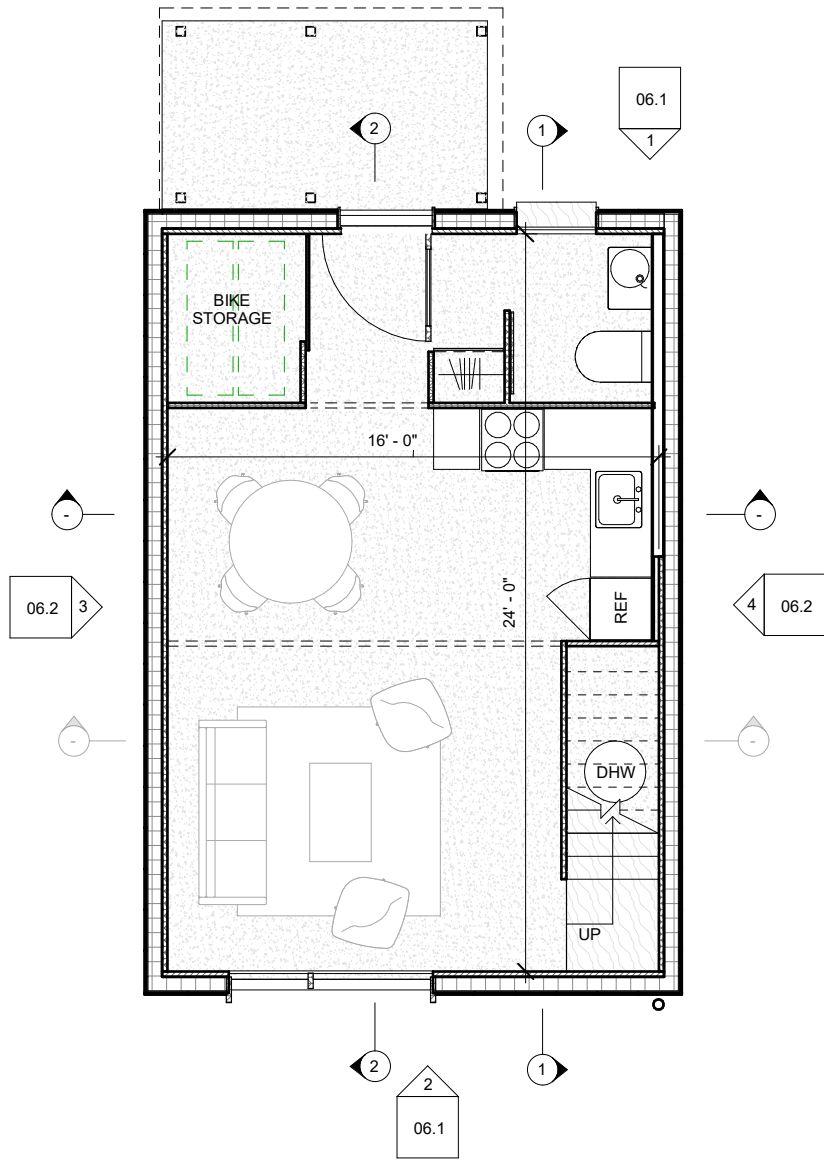
ISSUE DATE

CONCEPT

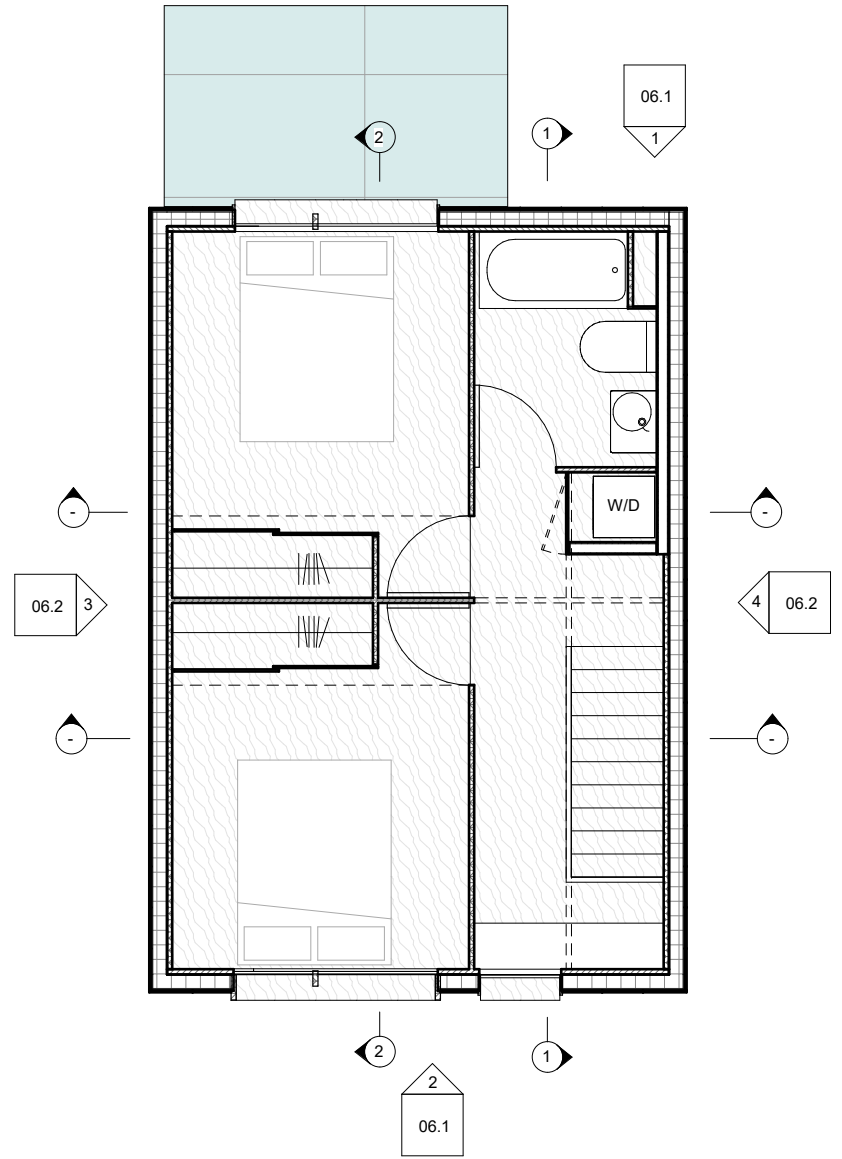
2/11/2022 11:00:27 AM

PLAN SITE PROPOSED  
A1.10  
1" = 10'-0"

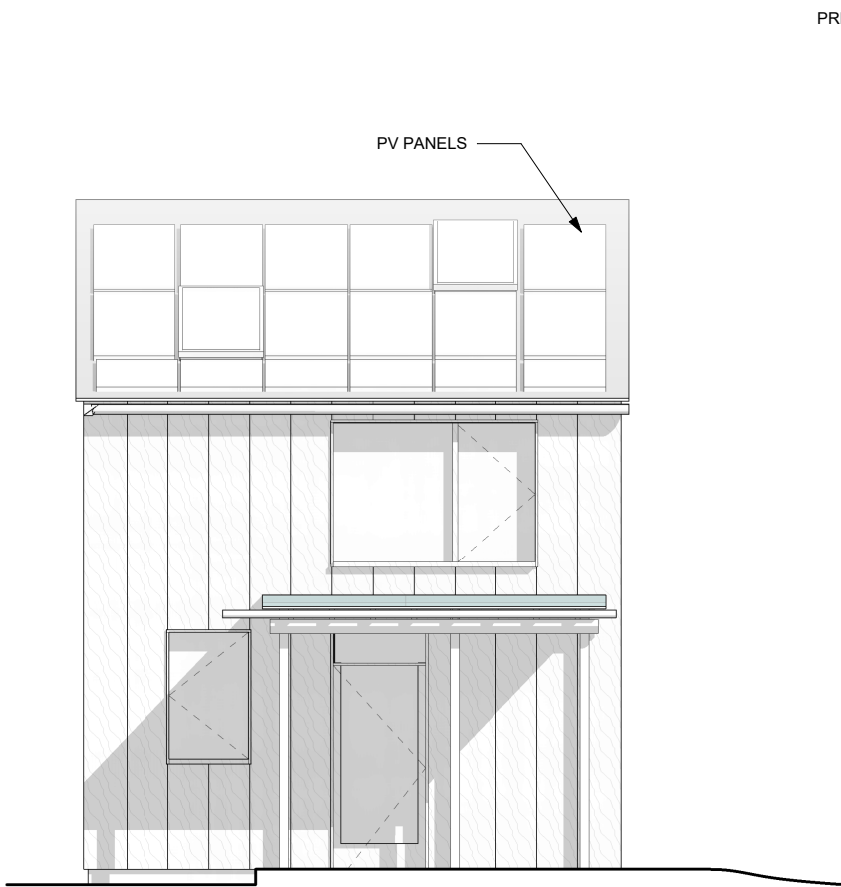




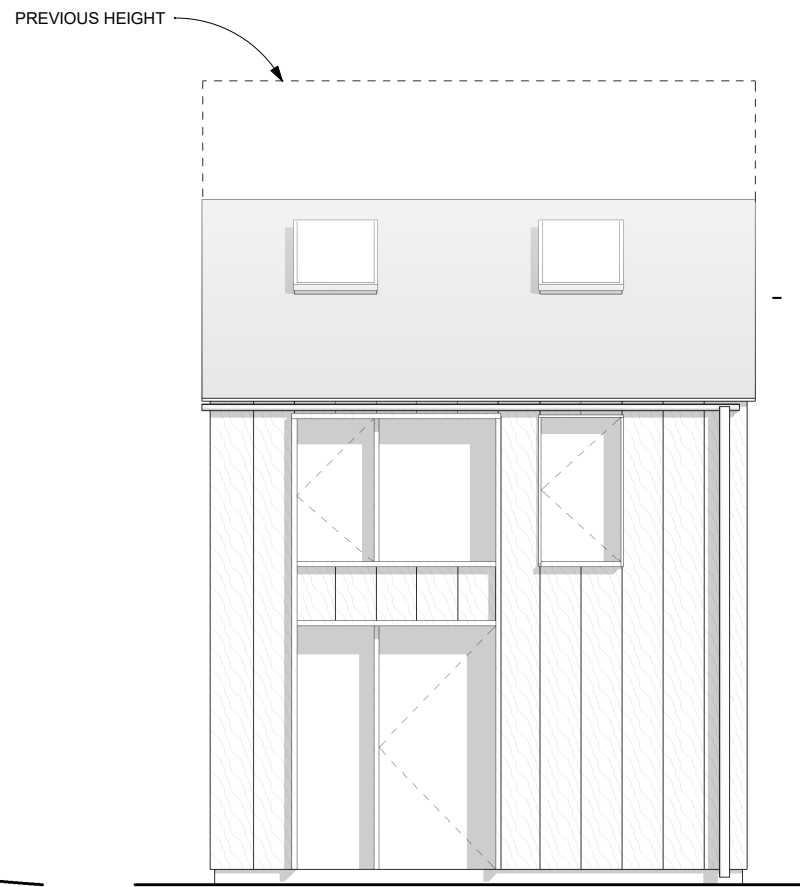
**1** PLAN, FIRST FLOOR  
1/4" = 1'-0"



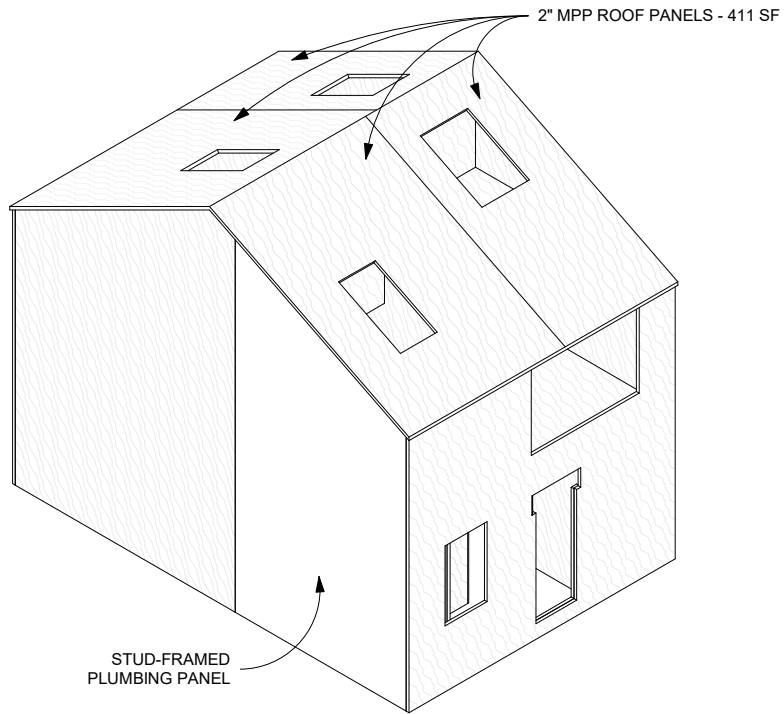
**2** PLAN, SECOND FLOOR  
1/4" = 1'-0"



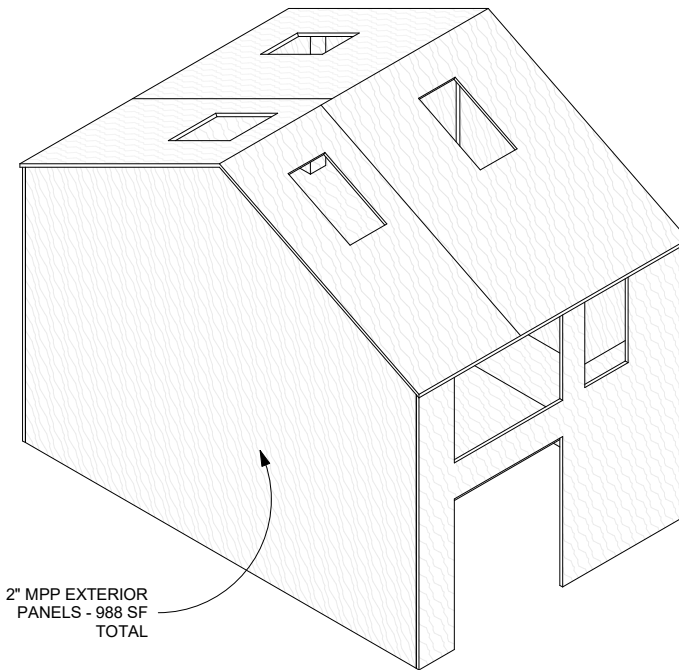
**1** ELEVATION, NORTH  
1/4" = 1'-0"



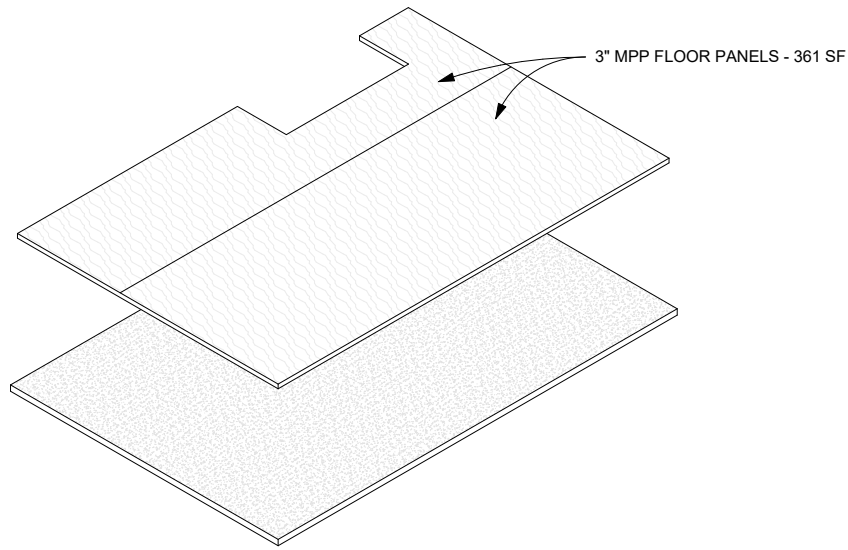
**2** ELEVATION, SOUTH  
1/4" = 1'-0"



**1** MPP EXTERIOR PANELS AXON NE



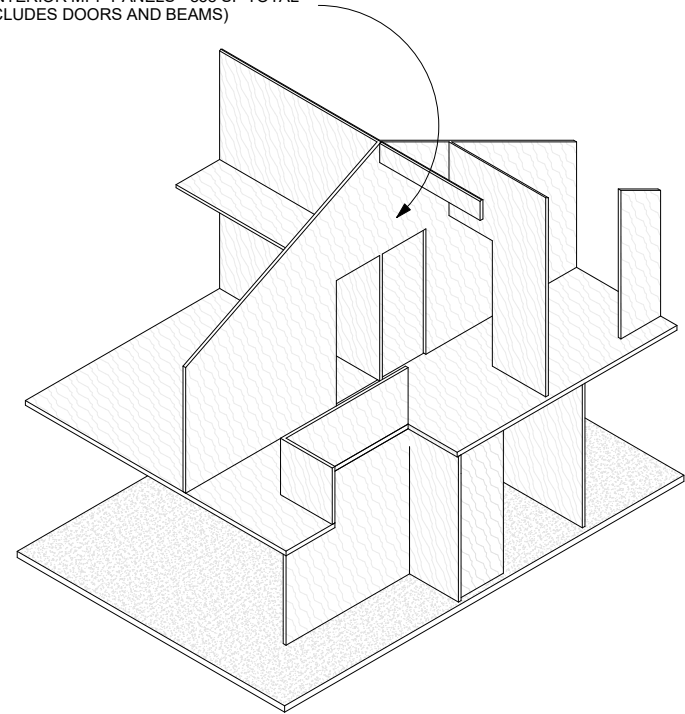
**2** MPP EXTERIOR PANELS AXON SW



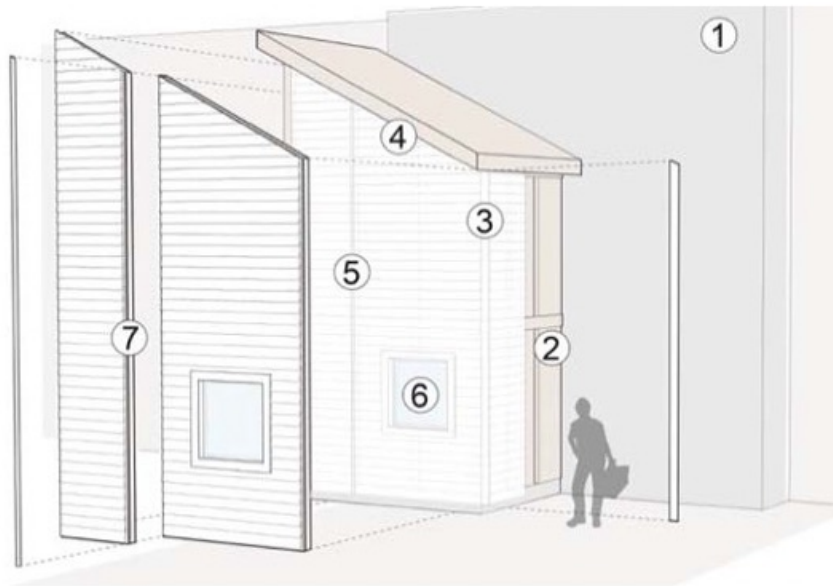
3" MPP FLOOR PANELS - 361 SF

**3** MPP FLOOR PANELS AXON NW

2" INTERIOR MPP PANELS - 838 SF TOTAL  
(INCLUDES DOORS AND BEAMS)



**4** MPP INTERIOR PANELS AXON SE



Protoype mockup: 1) lab strongwall; 2) existing structure mockup; 3) corner condition; 4) eave condition; 5) panel to panel condition; 6) window condition; 7) 2" MPP



Illustration of prefabricated panels craned onto existing housing exterior wall

## AN APPLICATION FOR MASS PLYWOOD PANELS IN SEISMIC AND ENERGY WALL RETROFITS

University of Oregon Faculty Leads: Mark Fretz, Judith Sheine

Oregon State University Lead: Andre Barbosa





2" MPP panel with wood fiber insulation  
– fabricated together on the CNC



Retrofit panel with 2" MPP, wood fiber insulation and stained plywood  
cladding