

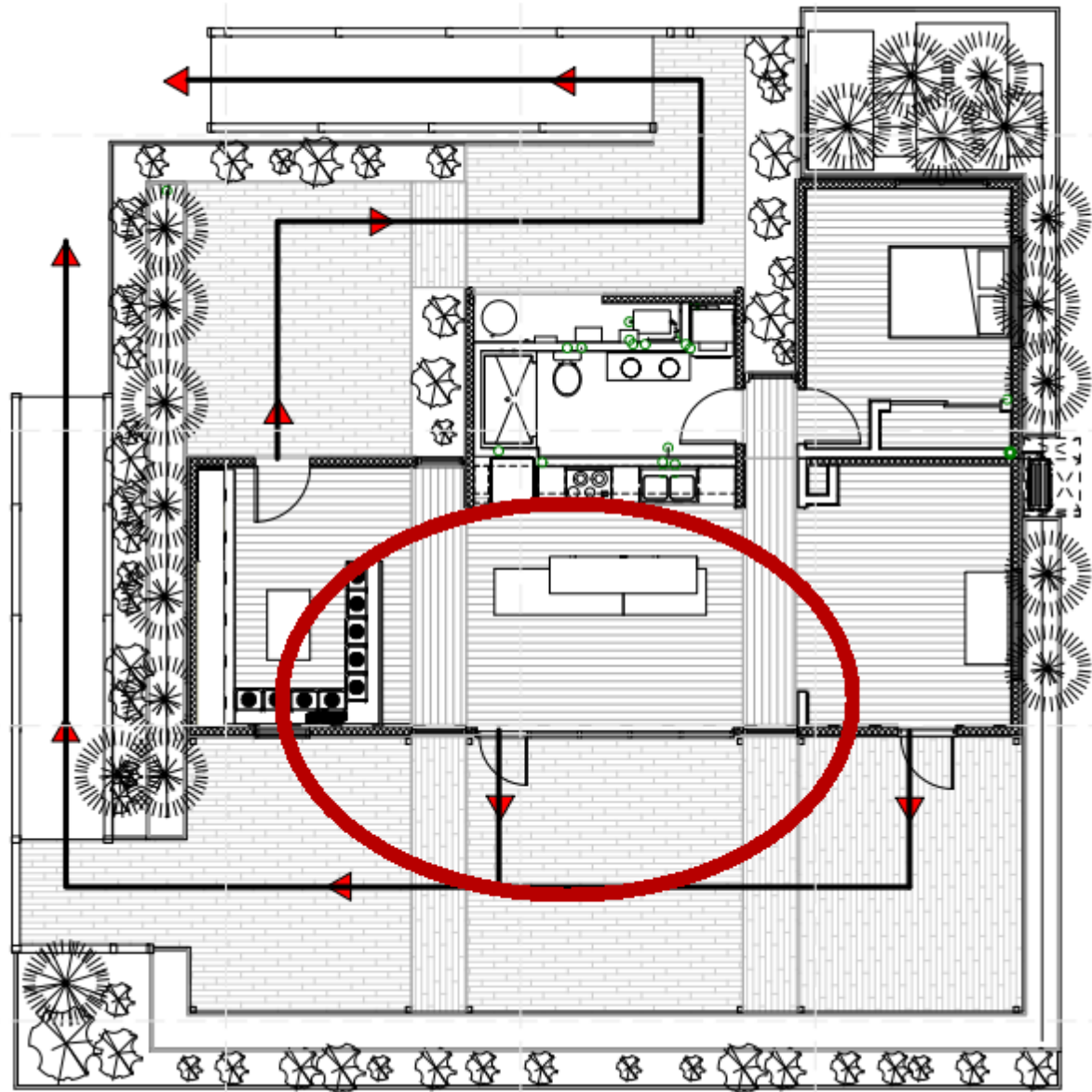
ARCH 3630 – Top Four Solar Decathlon 2013 projects

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# 1. Stanford University

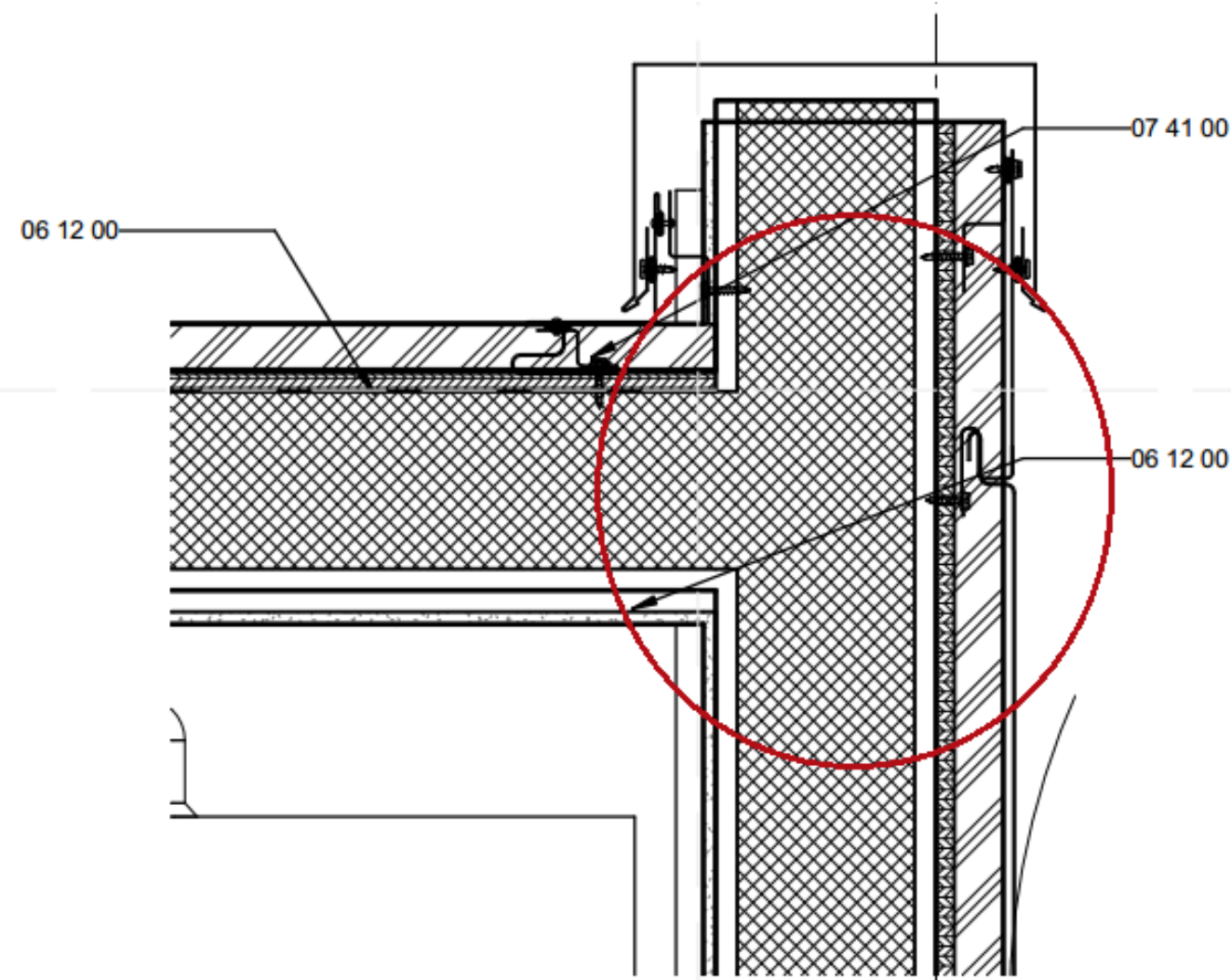
## Floor plan



**Open interior that is luminous because of the curtain glass wall.**

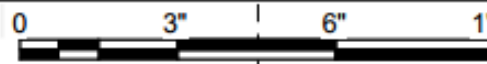
# 1. Stanford University

## Wall detail



**D5** CORE OUTSIDE CORNER

3" = 1'-0"



### REFERENCE KEYNOTES

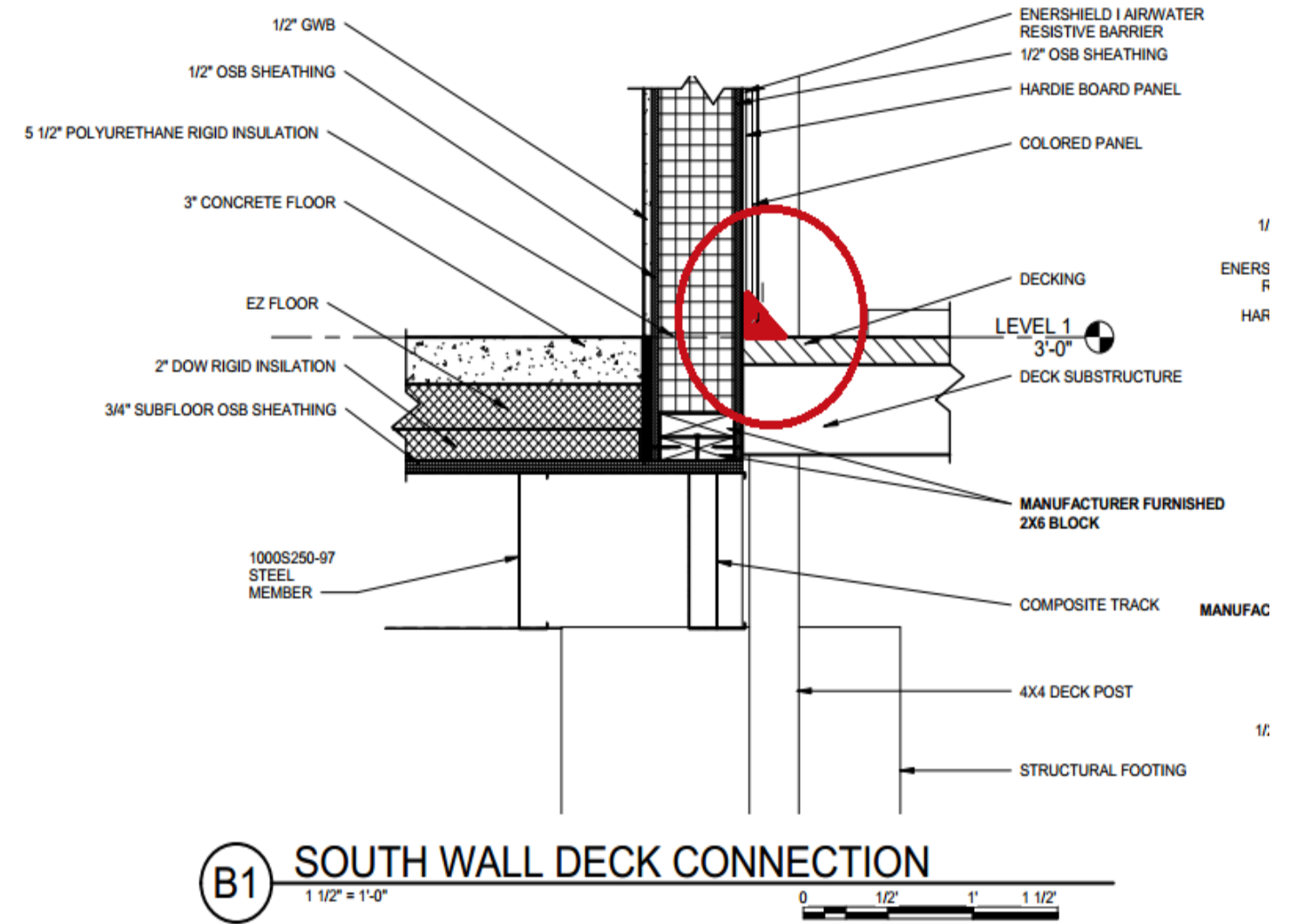
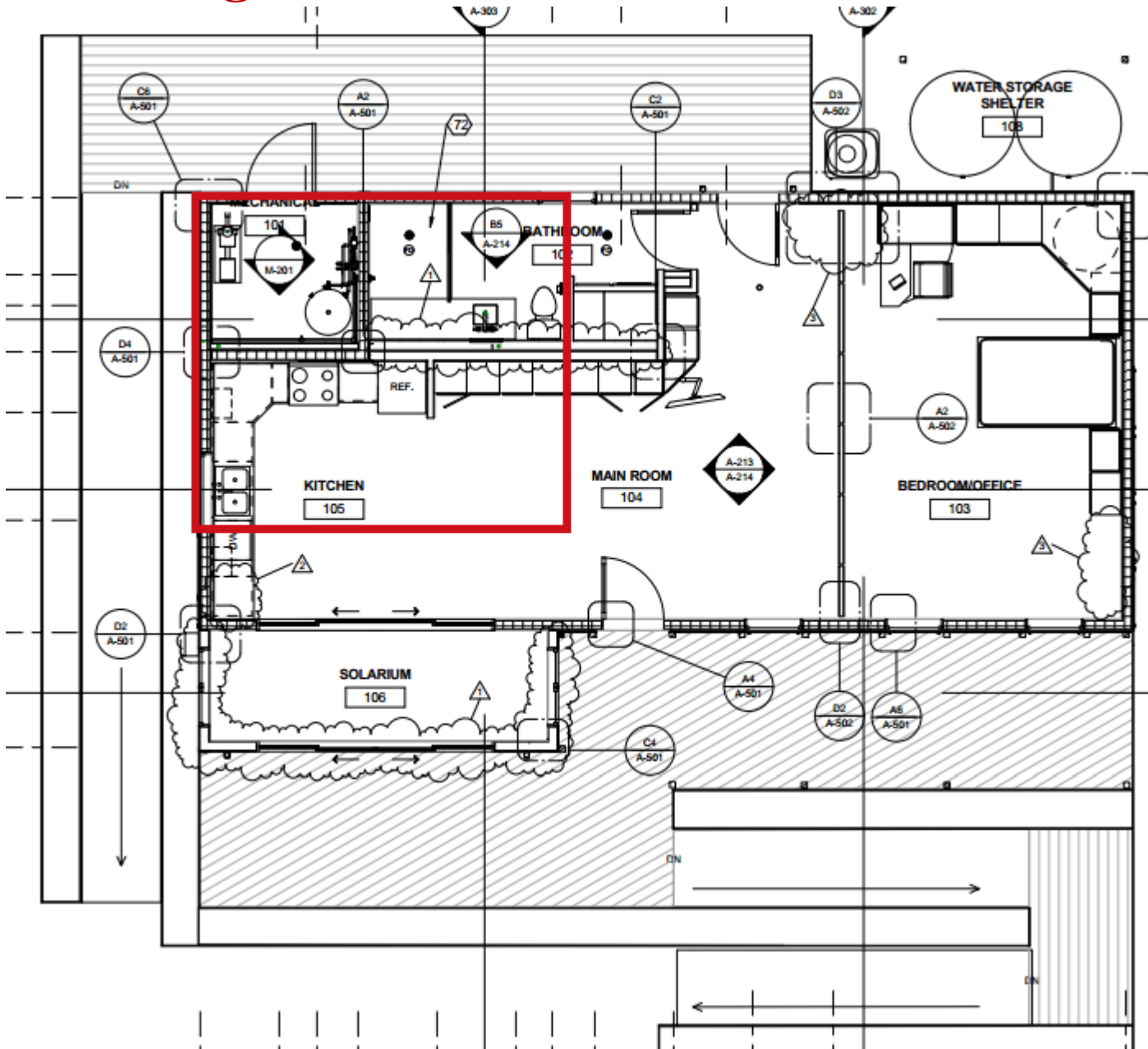
06 05 23	WOOD, PLASTIC, AND COMPOSITE FASTENINGS
06 11 00.D1	2X4
06 11 00.F1	2X6
06 11 00.L1	4X4
06 12 00	STRUCTURAL PANELS
06 16 00.D6	1/2" PLYWOOD
06 20 13	EXTERIOR FINISH CARPENTRY
06 20 23	INTERIOR FINISH CARPENTRY
07 41 00	ROOF PANELS
08 53 00	PLASTIC WINDOWS
09 29 00.A3	1/2" GYPSUM WALLBOARD

**No thermal bridge because of Continuous insulation.**

## 2. Missouri University of Science and Technology

### Floor plan & Wall detail

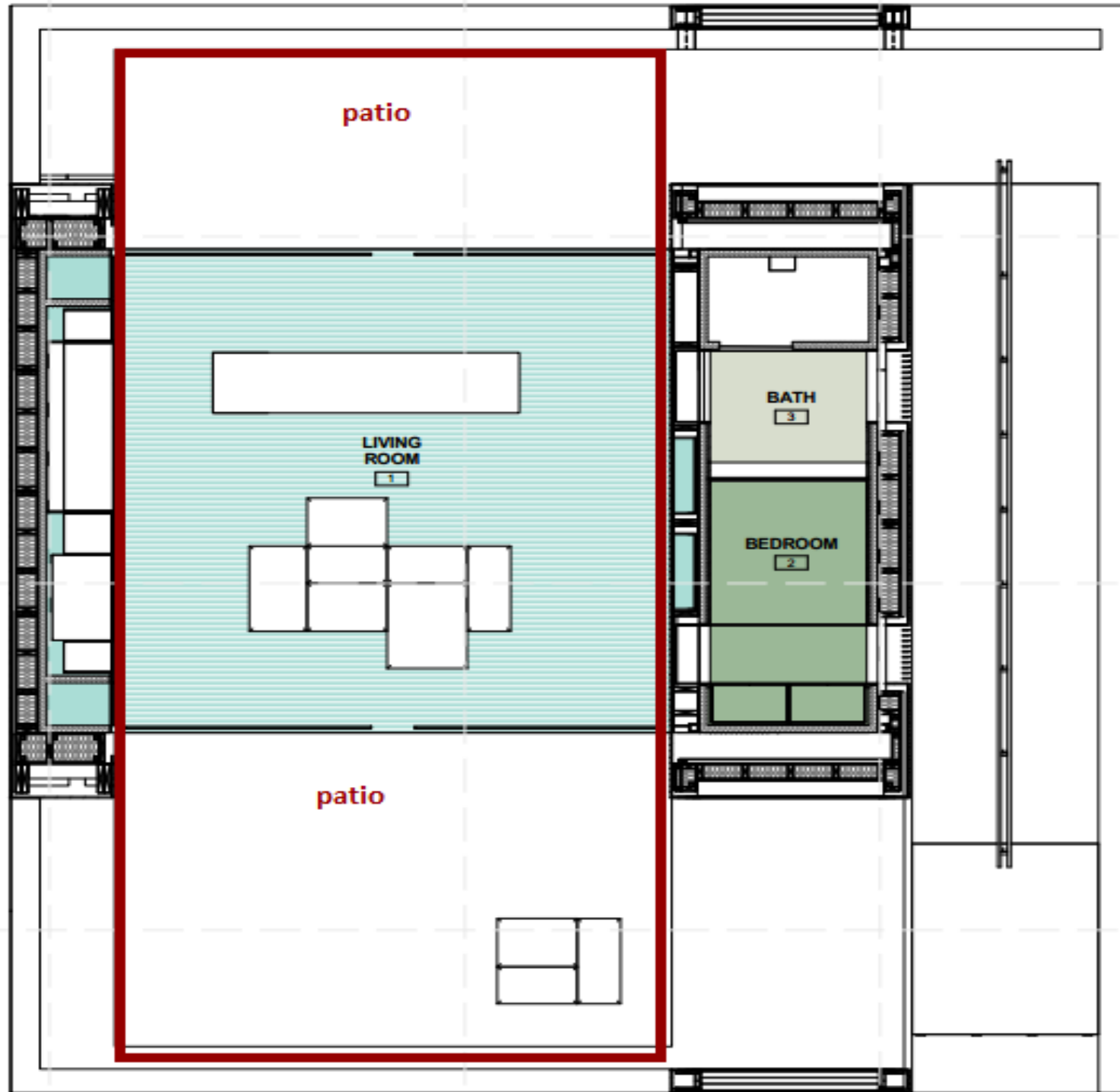
Plumbing fixtures located in one area.



Possible cant strip can be added. It can act as an attachment transition between the deck and the wall.

### 3. Team Austria

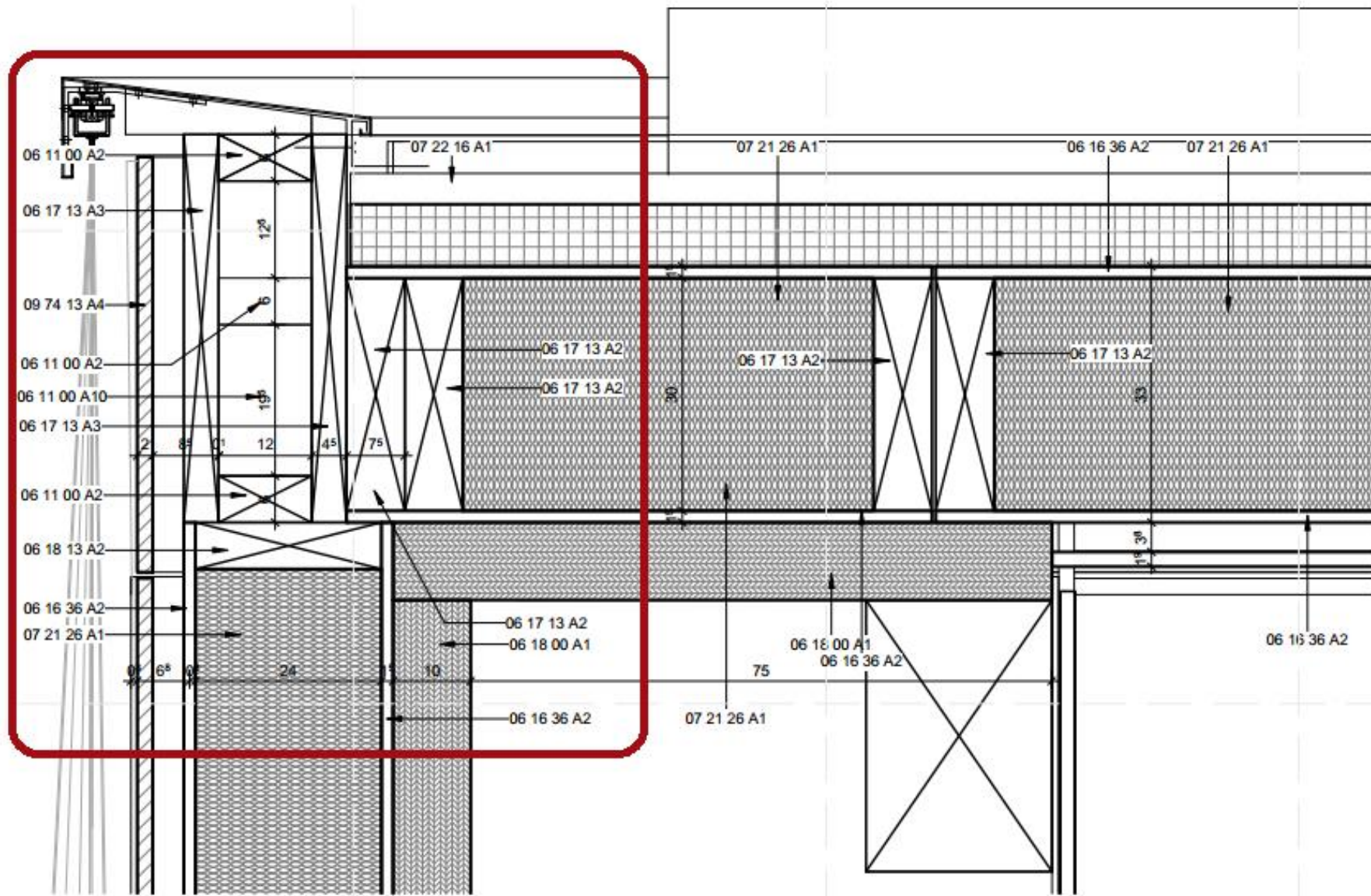
#### Floor plan



**The interior of the building is open to two exterior patios which the team states it “creates a balance between interior and exterior and public and semi-public spaces.”**

### 3. Team Austria

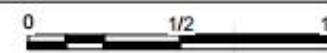
#### Wall detail



#### REFERENCE KEYNOTES

03 54 00 A1	CAST UNDERLAYMENT WITH EMBEDDED HEATING SYSTEM: 50MM/1.97IN
06 11 00 A1	FINGER-JOINTED SOLID CONSTRUCTION TIMBER: 120X100MM/4.72x3.93IN
06 11 00 A2	FINGER-JOINTED SOLID CONSTRUCTION TIMBER: 120X60MM/4.72x2.36IN
06 11 00 A5.1	FINGER-JOINTED SOLID CONSTRUCTION TIMBER: 130X60MM/5.11x2.36IN
06 11 00 A8	FINGER-JOINTED SOLID CONSTRUCTION TIMBER: 180X100MM/7.08x3.93IN
06 11 00 A8.1	FINGER-JOINTED SOLID CONSTRUCTION TIMBER: 170X100MM/6.69x3.93IN
06 11 00 A12	FINGER-JOINTED SOLID CONSTRUCTION TIMBER: 240X140MM/9.44x5.51IN
06 11 00 A13	FINGER-JOINTED SOLID CONSTRUCTION TIMBER: 240X100MM/9.44x3.93IN
06 11 00 A15	FINGER-JOINTED SOLID CONSTRUCTION TIMBER: 280X120MM/11.02x4.72IN
06 11 00 A21.1	
06 16 33 A1	WOOD BOARD SHEATHING: 25MM/0.98IN
06 16 36 A1	ORIENTED STRAND BOARD: 15MM/0.59in
06 16 36 A2	ORIENTED STRAND BOARD: 22MM/0.86IN
06 17 13 A2	LAMINATED VENEER LUMBER BEAM: 300x75MM/11.81x2.95IN
06 17 13 A3	LAMINATED VENEER LUMBER BEAM: 200x75MM/7.87x2.95IN
06 17 13 A6.1	LAMINATED VENEER LUMBER BEAM: 300x90MM/11.81x3.54IN
06 18 00 A1	CROSS-LAMINATED TIMBER BOARD: 100MM/3.93IN
06 18 13 A1	GLUED-LAMINATED BEAM: 270x200MM/10.62x7.87IN
06 18 13 A2	GLUED-LAMINATED BEAM: 350x240MM/13.77x9.44IN
07 21 13 13 A2	FOAM BOARD INSULATION: 60MM/2.36IN
07 21 26 A1	BLOWN INSULATION CELLULOSE
07 22 16 A1	ROOF WOOD SOFTBOARD SLOPE INSULATION 120-43MM/4.72-1.69IN
08 44 00 A1	TEXTILE CURTAIN WALL
09 64 33 A1	WOOD FLOOR INTERIOR: 21MM/0.82IN
09 74 13 A4	WOOD WALL COVERINGS: 19MM/0.75IN

A1 A-551 00 Section 0 01  
1:6

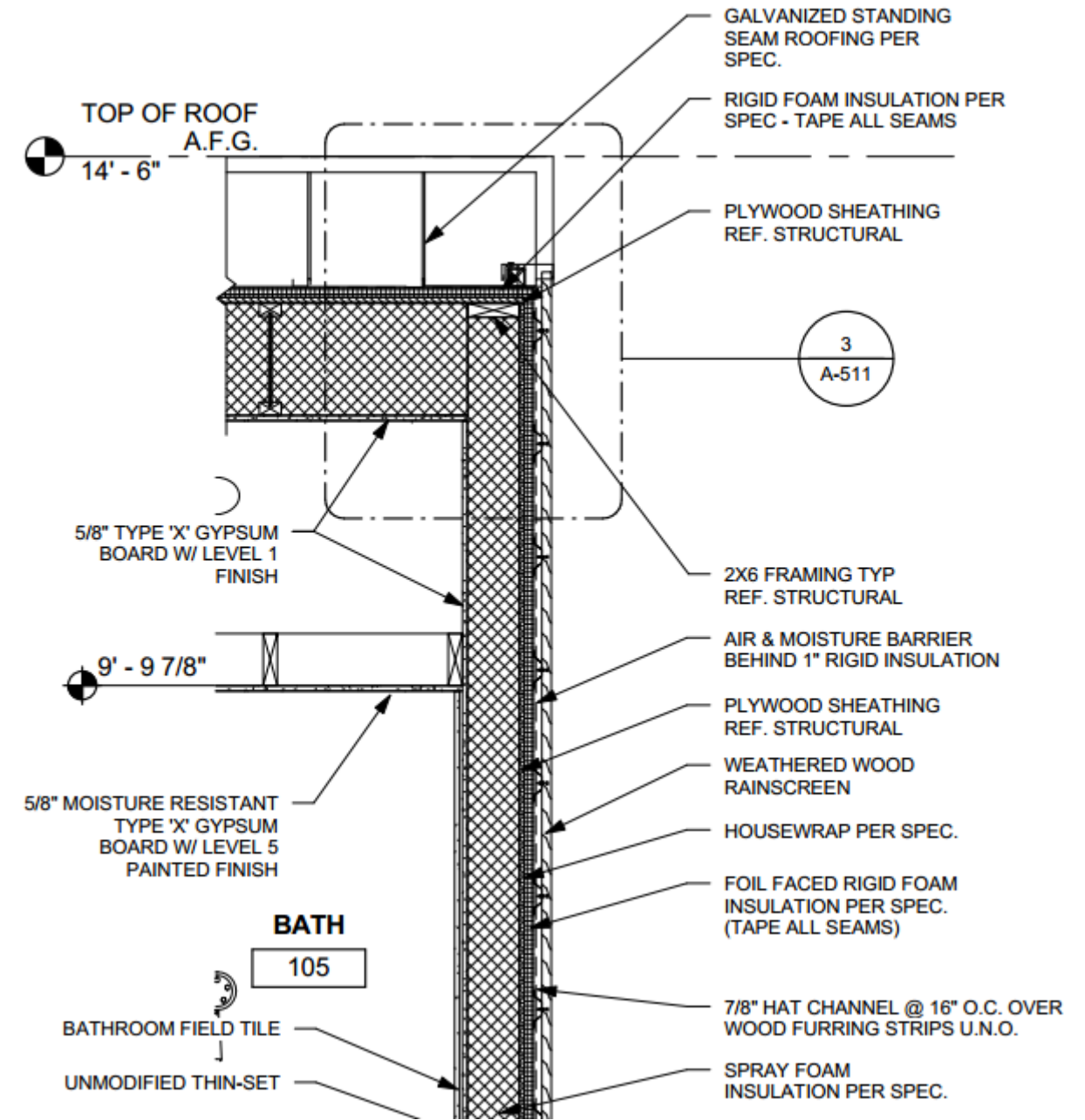
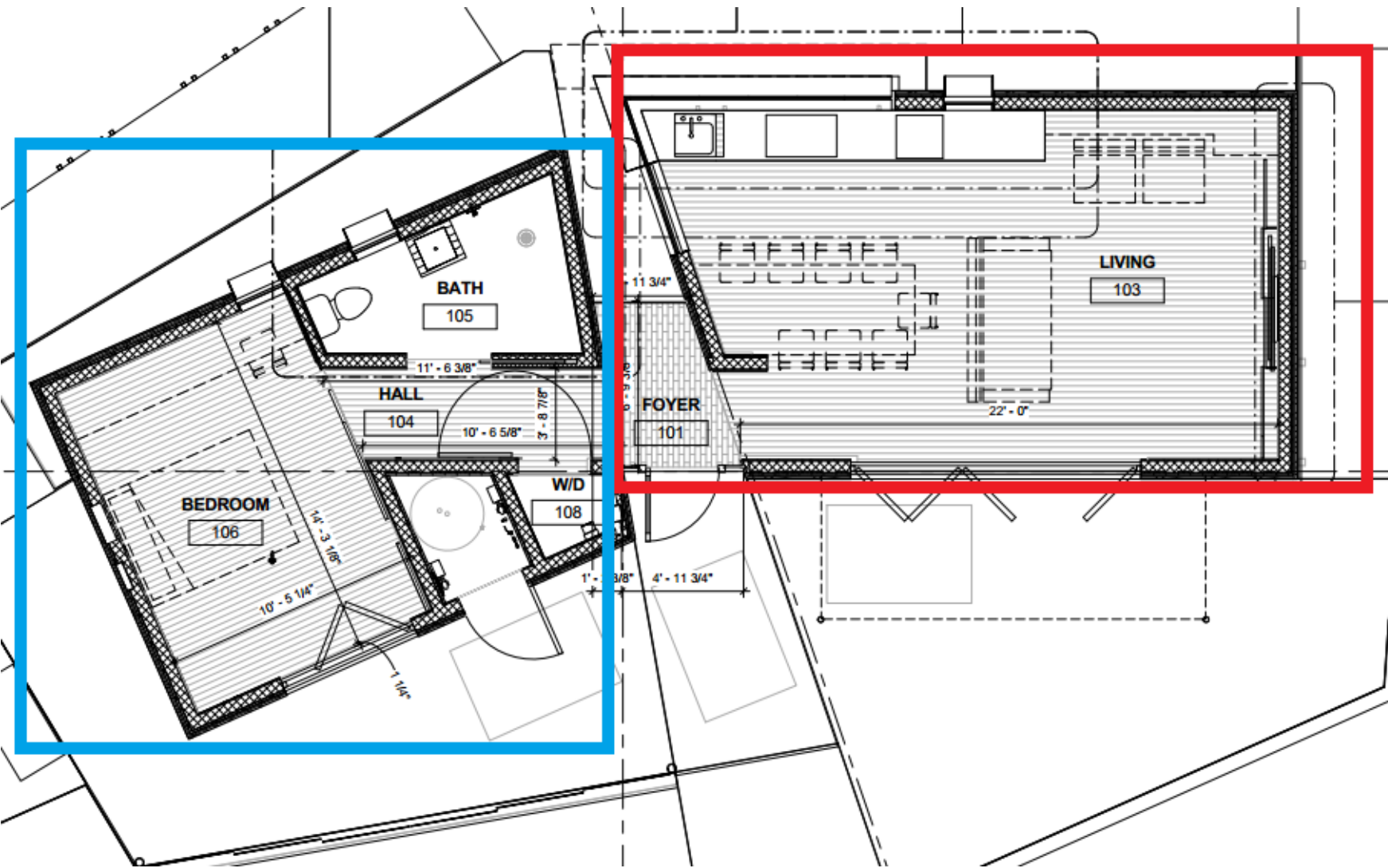


Thermal bridge

## 4. University of Nevada Las Vegas

### Floor plan & Wall detail

Two separate areas for private and public functions.



Continuous insulation and Weathered wood rain screen.