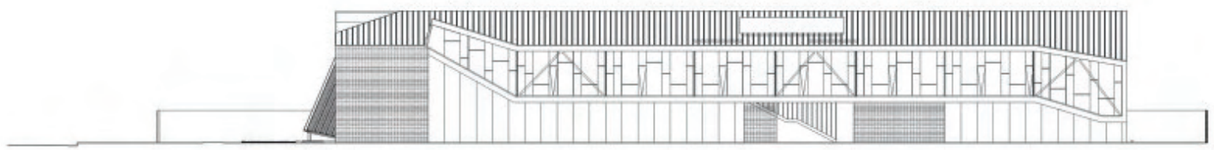
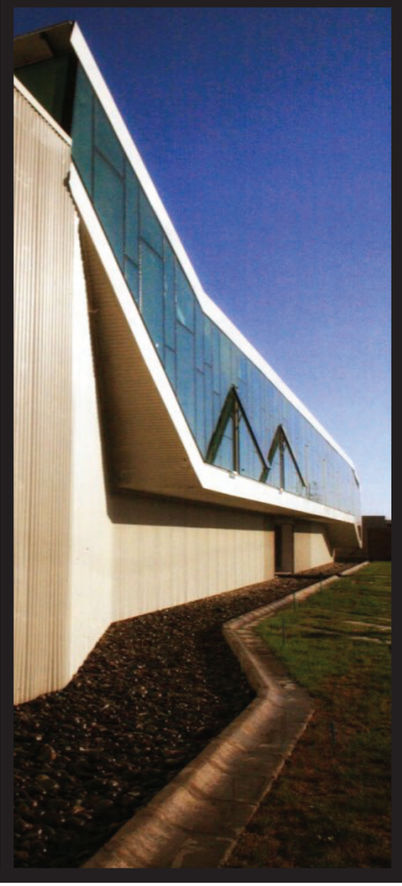
[Microhouse Fabrication]

NORTH ELEVATION

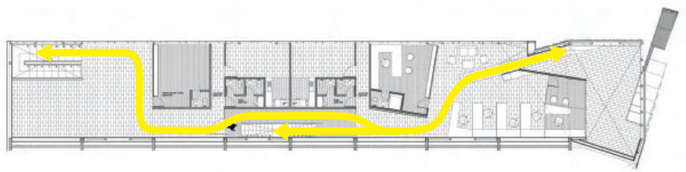


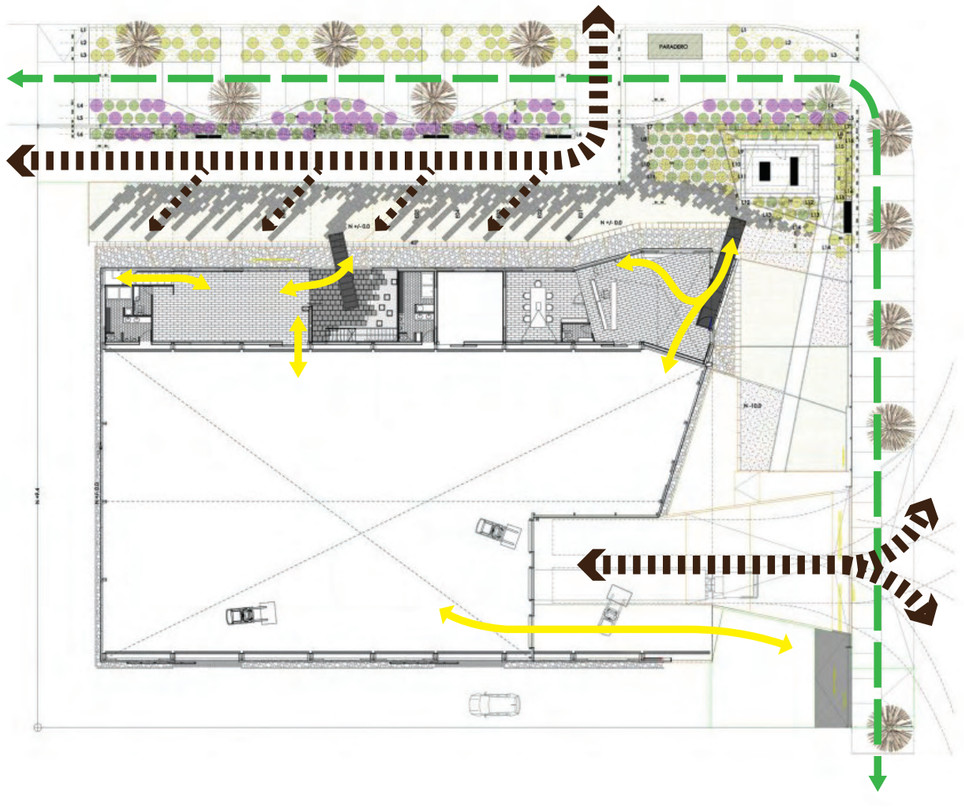
WEST ELEVATION

[Huanacu Warehouse & Office] Santiago, Chile tFPS Architects



[Microhouse Fabrication] - Layout





VEHICLE TRAFFIC

FOOT TRAFFIC

PEDESTRIAN TRAFFIC

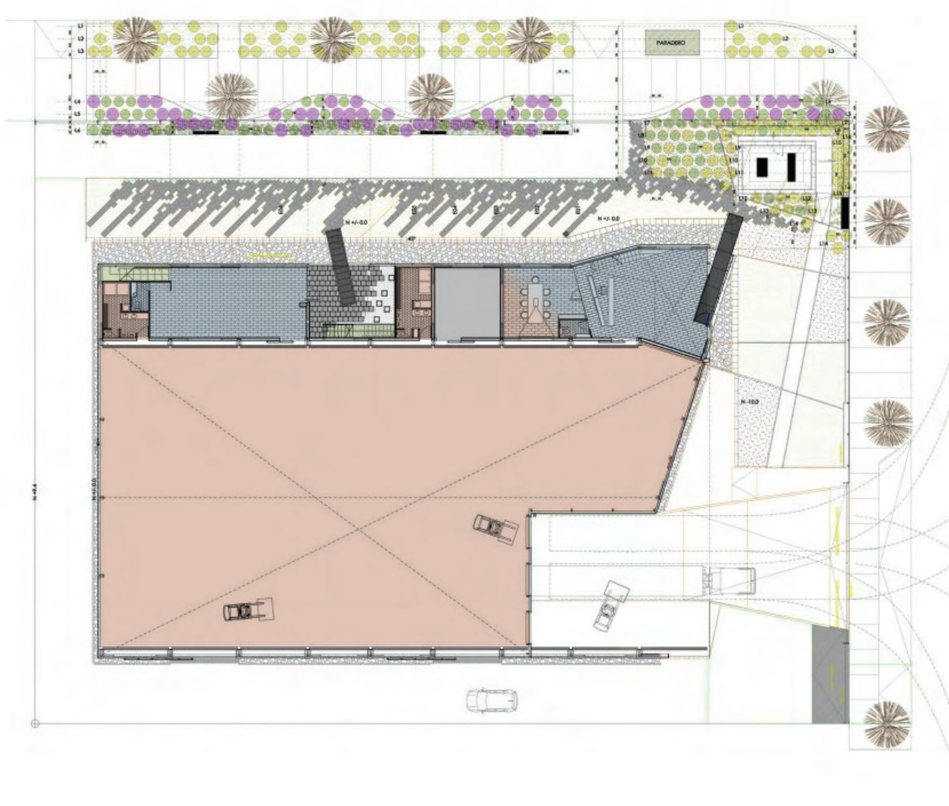
ADMIN:	3,700 sqf
PUBLIC:	1,800 sqf
WAREHOUSE:	11,000 sqf
CIRCULATION:	1000 sqf
MECHANICAL:	400 sqf
CONSTRUCTED AREA:	17,900 sqf

PUBLIC

PRIVATE

CIRCULATION

MECHANICAL



[Microhouse Fabrication] - Needs [Clayton Homes]

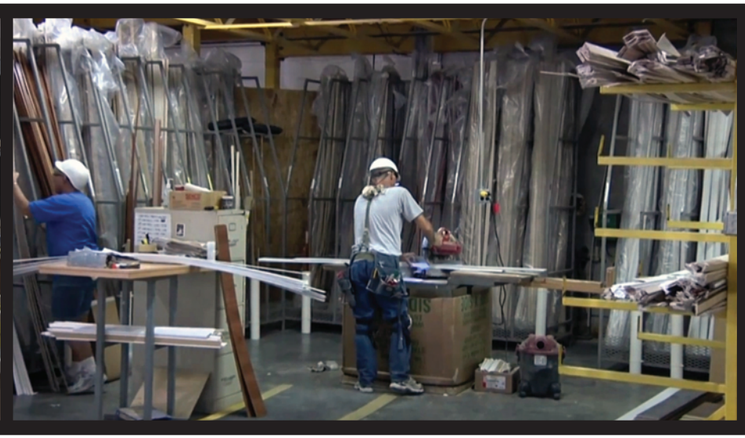
ASSEMBLY:

- Provide a sufficient floor area for assembling micro homes
- Ensure there is sufficient space to work around the structure



FABRICATION:

- Specialized areas for particular construction tasks
- Professional grade tools for cutting and pre-assembly

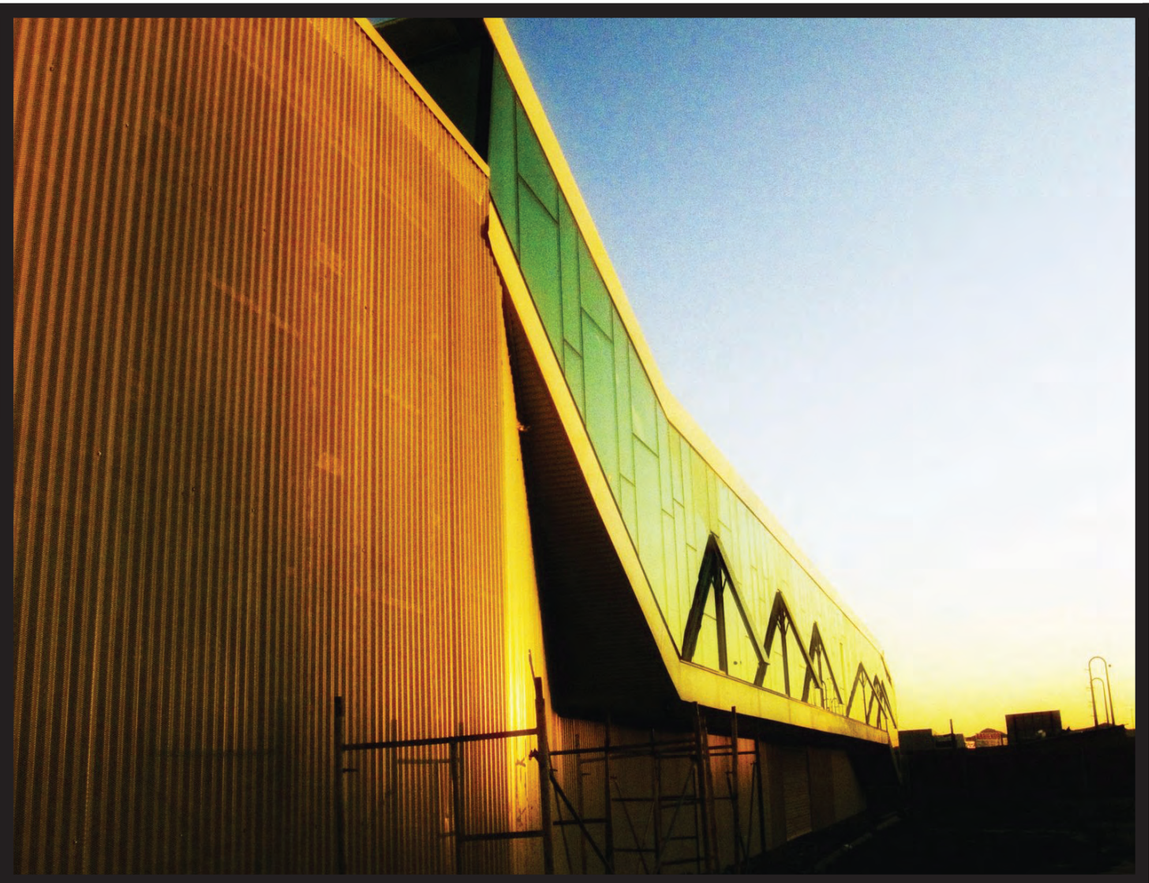



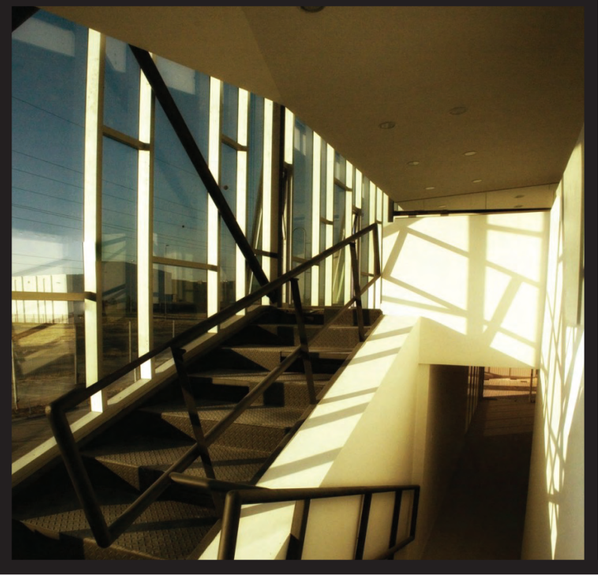

STORAGE:

- Make sure there is ample storage for materials
- Cantilevered and cage racks reduce floor space required



[Microhouse Fabrication] - Strengths & Weaknesses





[Huanacu Warehouse & Office] Pros & Cons

[+]

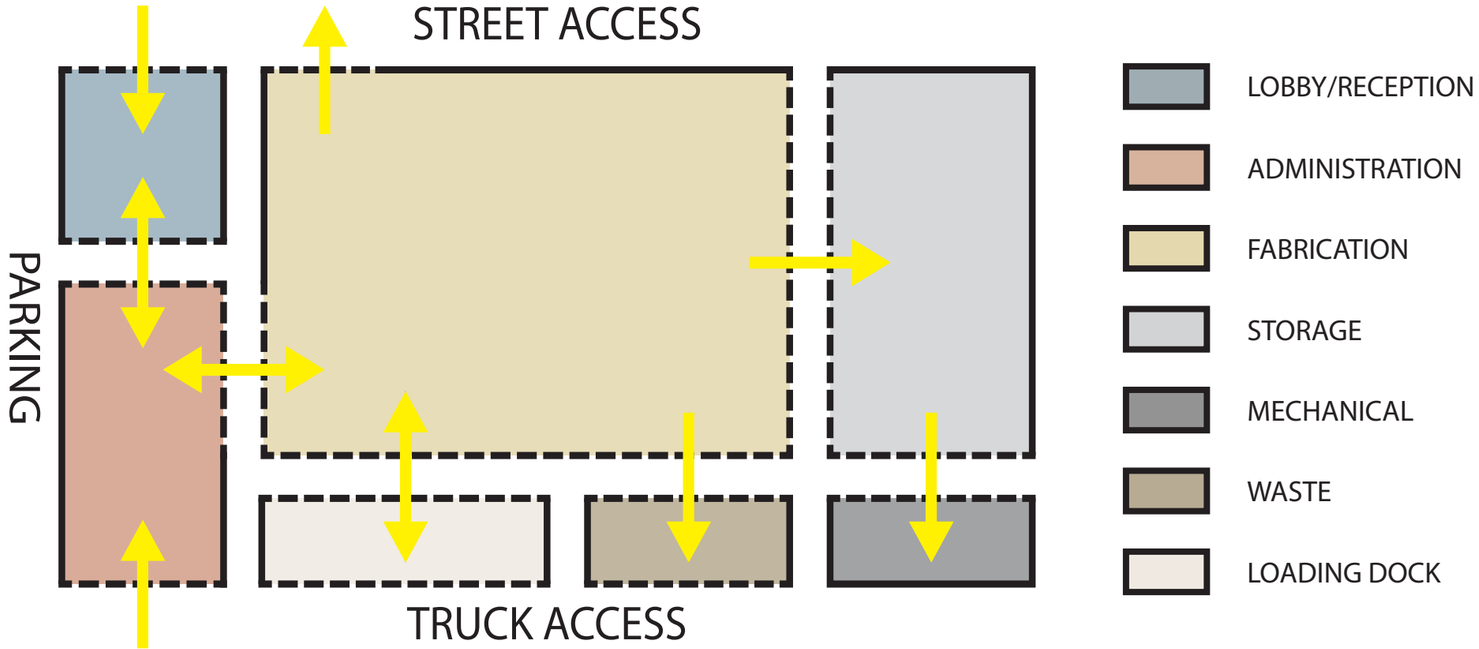
- Administration and operation services extend along length of warehouse
- Lots of natural light into admin area
- A large covered roof over the loading bay
- $130 per sqf which is comparable to a normal "box" warehouse
- Green parking space reduces site impact
- Space to expand administrative functions if needed
- Loading area has direct street access

[–]

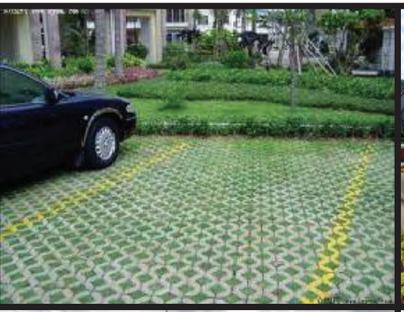
- Client didn't want production to be seen so natural light limited to skylights in warehouse
- Budget was tight, constraining overall design
- Few operable windows to promote cross ventilation
- No sun baffles or shading for western sun

[Microhouse Fabrication] - Proposed Program

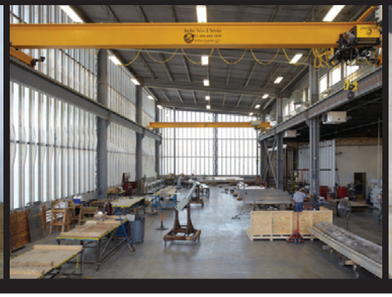
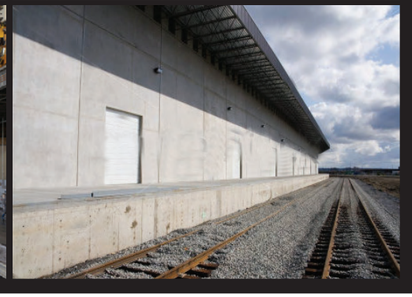
ADJACENCIES



CONSIDERATIONS





PROGRAM

• Fabrication Area:	5,000 sqf
- Large open assembly area	
- Overhead crane	
• Waste Area:	400 sqf
- Compactor/Baler	
- Garbage chute to large dumpster	
- Sawdust collection	
- Various recycle bins	
• Equipment Area:	500 sqf
- Professional grade power tools	
- Large stock table saw	
- Work benches	
• Loading dock:	
- 3 Doors (1 for side loading)	40 lf
• Storage:	3,000 sqf
- Cantilevered racks for construction materials	48 lf
- On hand appliances	24 lf
- Room for completed Micro homes (Inside)	2,000 sqf
- Space for circulation and other needs	1,000 sqf
• Administration:	1,800 sqf
- Management offices	600 sqf
- Design studio	400 sqf
- Conference room	400 sqf
- Break room with kitchen	200 sqf
- Restrooms (2x 100sqf)	200 sqf
• Public Areas:	600 sqf
- Showcase area	400 sqf
- On site model unit (Outside)	200 sqf
• Mechanical:	400 sqf
- Vacuum system	
- HVAC and water heater	
TOTAL:	11,700 sqf