

ENVIRONMENTAL & ENERGY FEATURES

Durability (Strength & Longevity):

- Built with COR-TEN steel with an expected lifespan of over 100 years,
- Non combustible, fire resistant material
- Inorganic exterior wall is immune to mould, mildew, insects, and rodents
- Resistant to natural disasters (earthquake, hurricane, tornado)

Highly Energy Efficient:

- Extremely air tight construction with continuous welding (not possible on site)
- Double exterior walls - poly-urethane, high density sandwich panel plus 4" stud wall with "Roxul" – R30
- White reflective roof – R40
- Large windows, for natural light, with triple glazed thermal panes
- LED lighting
- Low-flow faucets and toilets

Indoor Quality:

- Very high sound reduction coefficient due to double insulated floor construction
- Excellent air quality due to air exchanger throughout
- Virtually no VOC's due to natural products, and "bake out" time.
- Inert insulation materials
- Rapidly renewable bamboo flooring

Minimum construction waste:

- due to industrialised factory process all materials are optimised and protected
- overflow materials are used for future projects
- less land fill and transport costs



PLUGIN CONSTRUCTION SOLUTIONS

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Less Construction Pollution:

By reducing the on site construction time of a new building by 75%, we have substantially reduced the noise and disturbance of our process.

Improved Security:

By moving the majority of the construction process indoors into a controlled environment we have significantly lowered the risk of on site injuries.



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