

cluster-structures

Shelter Systems

The Gregg Fleishman Studio is presenting here a relatively inexpensive, expansive, and artful alternative to conventional building. The system features only router cut plywood panels with integral slots and notches. There are no screws, no nails, and no bolts. Maximum convenience, minimum waste.

M -11 Hex

BASICS:

The full size **M-11 Hex** module is made from both 1/2 and 3/4 inch sustainable Finland Birch. It measures 12 feet 8 inches by 11 feet by 12 feet high, with 105 square feet of interior space. Intended for slab on grade or other ground surface placement, not included. California Building Code exempt.

FEATURES:

One pair of 60 inch wide entry doors with ornamental windows.
Two 28 inch wide trapezoidal window openings.
33 inch triangular skylight.
One 33 inch wide entry door.
24" wide trellis framework all around.

Other features:

Inter modular, the same wall panels connect in multi-modular configurations.
Small pieces that can be handled without cranes or other means.
Strong and flexible and very safe in earthquakes, though it does need to be tied down for wind by some means. Tie down points each corner.

NOTES:

Indoor use; no special requirements.
Exterior use; A phenolic resin coating renders the wall panel surfaces waterproof. Wall edges can be oiled to allow for intermittent contact with water. Roof panels of unfinished birch. Recommended coating: Henry's White Roof Coating, or other, with ceramic insulating additive. Optional: wall panels in unfinished birch, coat as above.

Structures Parts List:

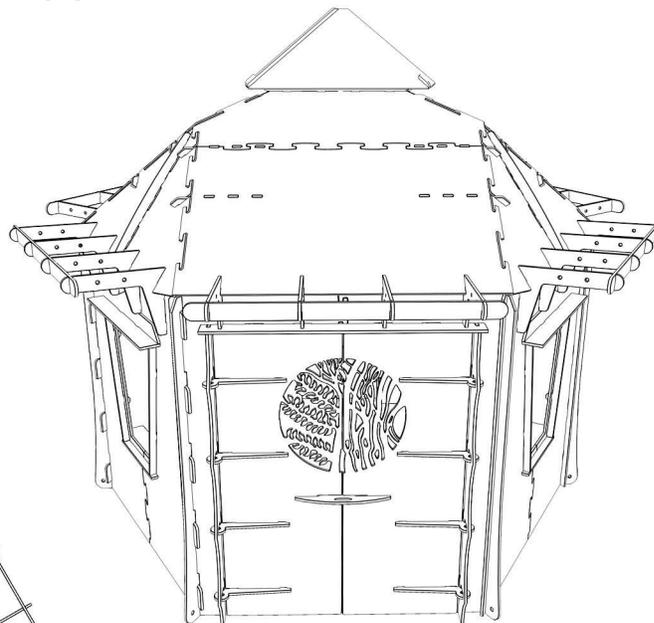
Available upon request

Assembly Instructions:

Available upon request

MATERIALS:

FINLAND, LATVIAN, or RUSSIAN EXTERIOR BIRCH PLYWOOD
Allowable stress (psi):
Extreme Fiber Stress in Bending 3,600
Compression in Plane of Panel 2,500
Rolling Shear Stress 100
Modulus of Elasticity 2,200,000
Recommended EDGE FINISH: Teak oil. SURFACE: 120 GRAM PHENOLIC FILM. Intermittent contact with water allowable.



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