

2 Story Raised Bungalow with Safe Room

136.5 m2 or 1,469 SF Under Roof

2nd Floor: Living Room, Kitchen, Safe Room,

1 Bedroom/1 bath

3rd Floor: 3 Bedrooms, 2 Baths, Laundry Room

Exterior Raised Deck on 2nd Floor



pan**L**bilt GLOBAL

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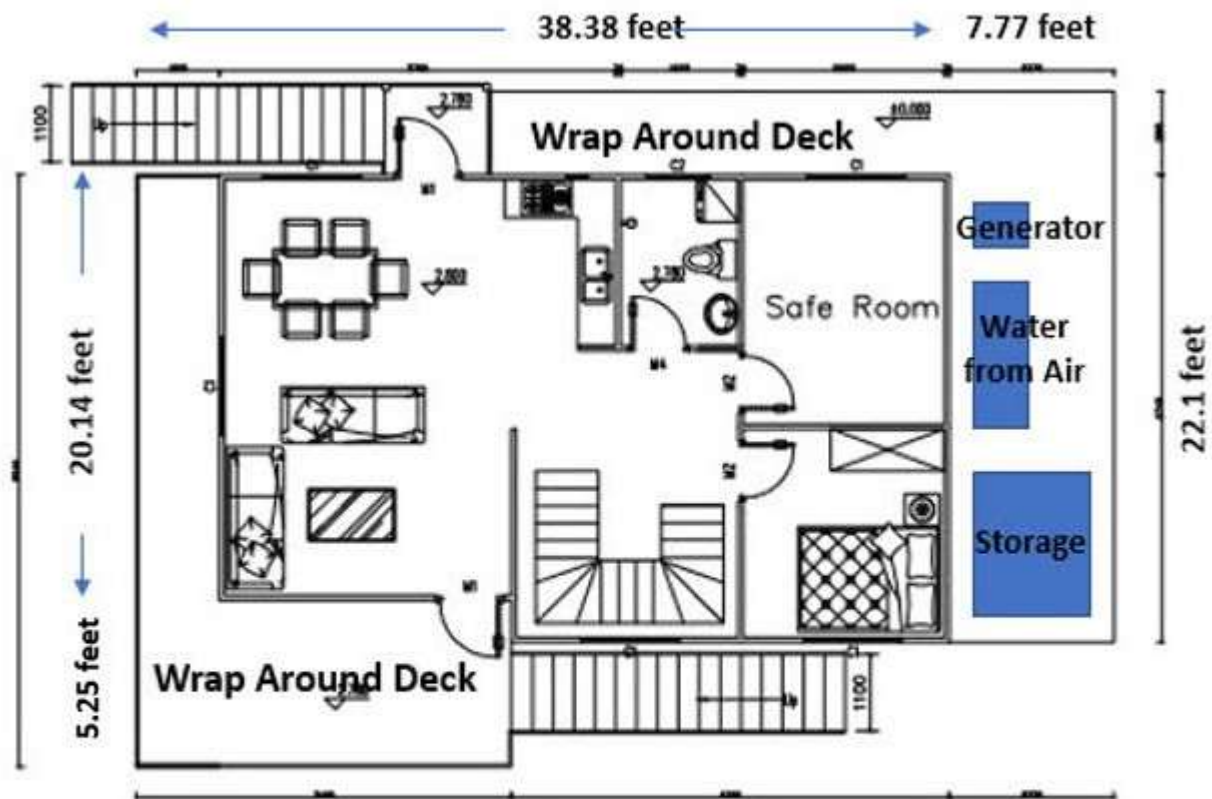
310-720-7226

Contact: Raphael Levy Raphael@PanLbilt.com



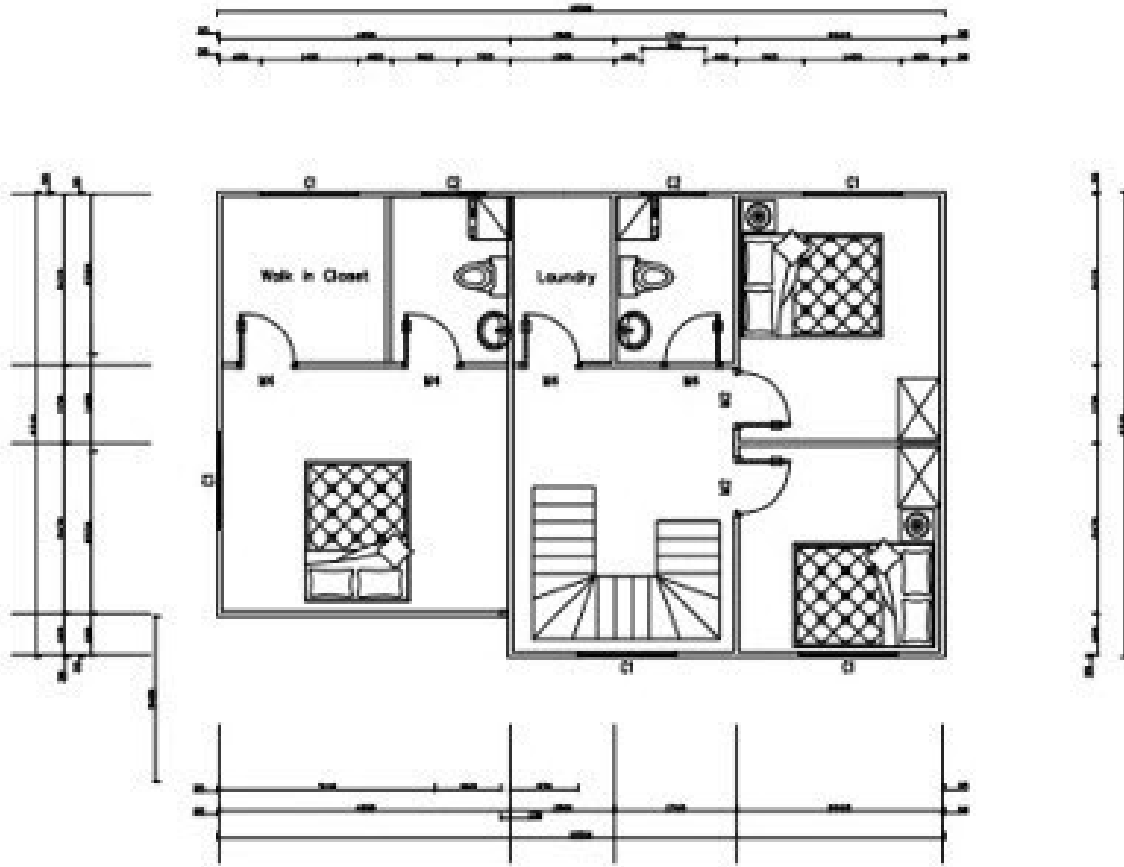
PANLBILT STEEL & FOAM CEMENT PANELS COMPETITIVE ADVANTAGES

- ♦ Rapid Assembly: Less than 5 Days to erect the structure
- ♦ *Rapidly rebuild a permanent house after natural disasters*
- ♦ Withstands heavy rain
- ♦ Life Span: 50-70 years
- ♦ *Fire Proof: A1 Level*
- ♦ Main factors affecting actual energy performance of a building: Thermal Conduction, Convection, Radiation & Mass
- ♦ Thermal Conductivity: 0.1035 W/m.K
(90mm thick wall has the same thermal conductivity as 350mm brick wall)
- ♦ *Thermal Resistance: 0.869 m²·K/W surpasses 'r' ratings for fiberglass insulation*
- ♦ Outperforms framed buildings due to the combination of reduced conduction & convection plus high thermal mass
- ♦ Snow Resistance: Snow pressure 8.219 KN/m²
- ♦ *Earthquake Resistance: Up to Richter 9*
- ♦ Sound Insulation: 40 dB
- ♦ *Wind Load: Wind speed up to 140 MPH*
- ♦ Wall Shock Resistance: 500 KG concentrated force



Second Floor Layout

20.14 feet



22.1 feet

third Floor Layout

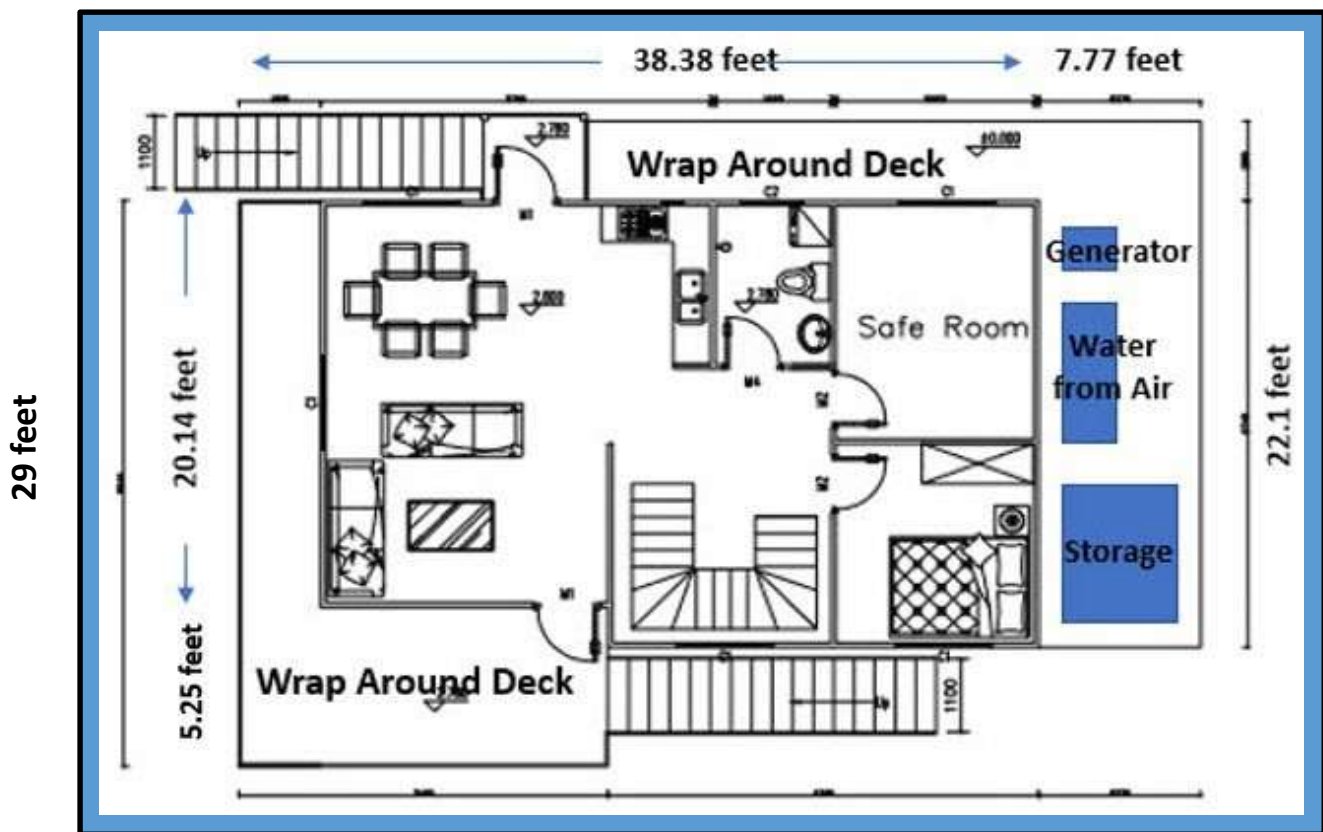
Cement Foundation Plan

Outside Dimensions of the Building 47' x29'

Mounted on Raised Steel Support Structure

With Wrap-Around Steel Deck on 2nd Floor

47 feet

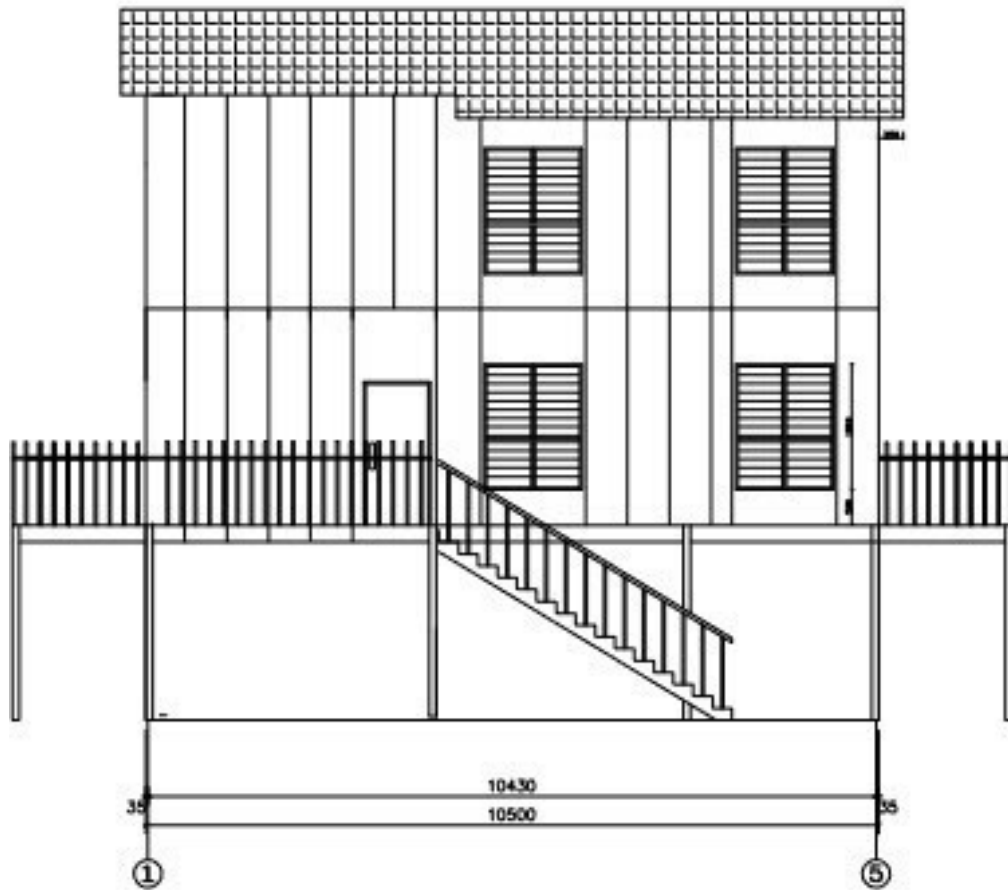


Exterior Walls and Roof Panels: 94 mm/ 3.7" Steel & Foam Cement Panel

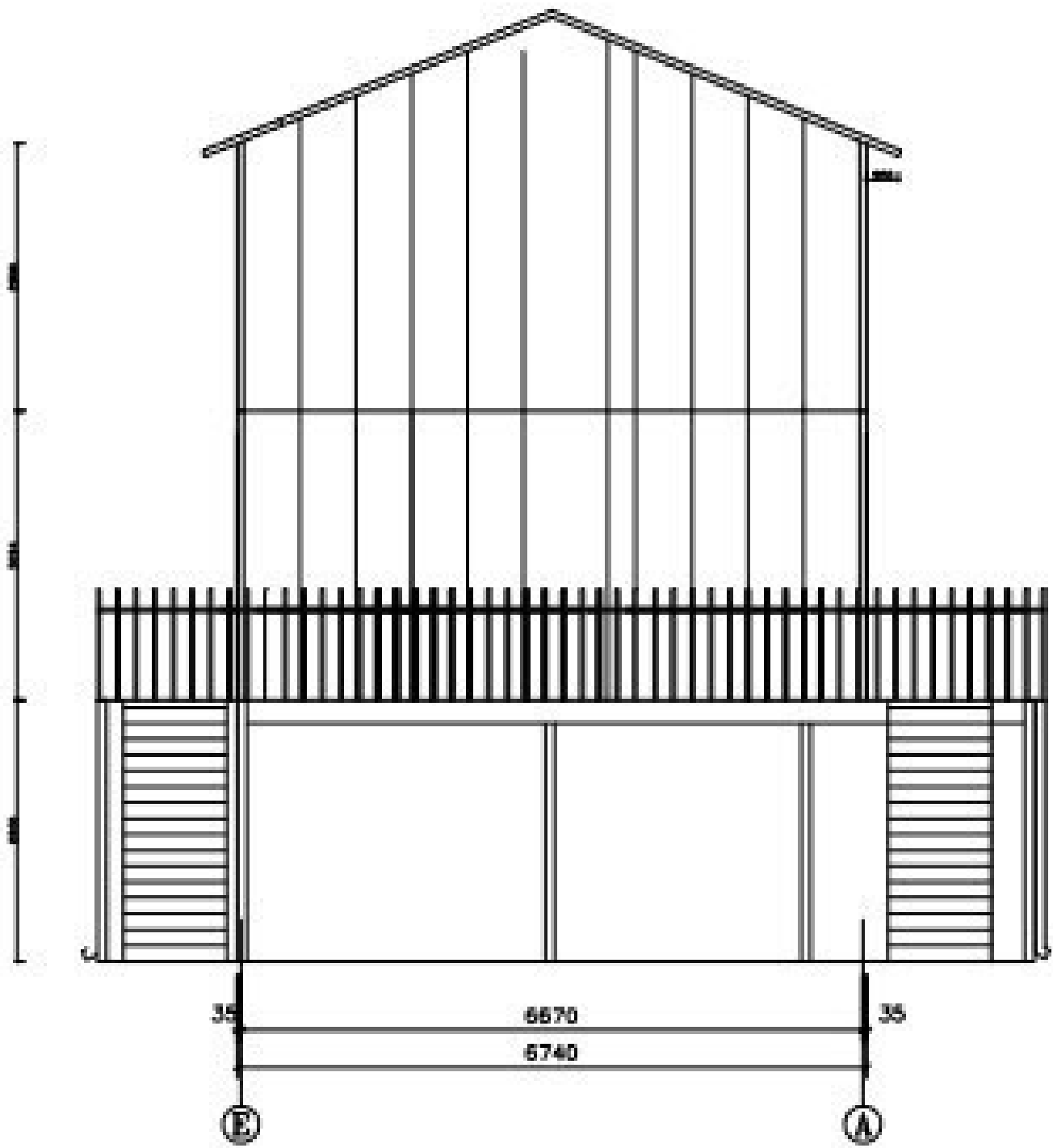
Asphalt Shingles: 333mm x 1000 mm / 13.11" x 39.37 "

Roof: A Beam Galvanized Angle Iron Steel: 5580mm/219.68" x 3 Pieces

Roof Purline: C Type Steel 80mm x 35mm x 1.5mm/3.15" x 1.37" x 0.06"



Front Elevation



Right Elevation