

Panel Shop Drawing: PANEL B

Building Designer: Hew Home Design, Inc.
 Panel Manufacturer: Engineered Wall Panels, Inc.
 Contractor: Smart Builder, Inc.

Site: Mr. and Mrs. Brown Residence
 Location: Easy Street, Town, State
 Plan ID: GS555-10
 Panel ID: E4
 Date: 00/00/00

Building/Site Design Conditions:
 Wind: 120 mph, EXP B
 Seismic: SDC C
 Snow: 15 psf
 Roof Live: 20 psf
 Floor Live: 30 psf (bedroom)
 40 psf (other)

Special Conditions: None

- Notes:**
- Lumber: 2"x4" nominal SPF Stud grade.
 - Sheathing: 7/16 OSB (APA rated 24/16).
 - Sheathing nails: 8d pneumatic (D=0.131", L=2-3/8") spaced 4" o.c. on panel edges and 12" o.c. in field.
 - Framing nails: 16d pneumatic (D=0.131", L=3-1/4").
 - Studs are spaced 16" o.c. unless specified otherwise.
 - Panel shall be attached to foundation with 1/2" bolts spaced maximum 4' o.c. 2x2x0.25 inch square plate washers shall be installed between the nut and the bottom plate. First bolt shall be located within 12" from the building corner. Holddown shall be secured to the foundation with 1/2" bolt.
 - Double top plate is nailed with framing nails spaced 12" o.c.
 - Top plate to top plate lap connection at the building corner shall use three framing nails.
 - Plates are nailed to studs with two framing nails per connection.
 - Double studs are face-nailed with two framing nails spaced 24" o.c. Triple studs are face-nailed on both sides using same schedule.
 - Holddown installed per manufacturer's specifications.
 - Top plates of two adjacent panels are connected using a 20 gage steel strap with 5 framing nails on each side.
 - Studs of the adjacent panels are face-nailed with two framing nails at 24" o.c.
 - Special connection details are shown on Sheet SD16.
 - Panels shall be temporary braced every 10' to the platform with 2"x4" braces positioned at an angle between 30-45° measured from the panel surface.
 - Allowable cutouts and notches are specified on Sheet SD15.
 - Maximum tolerances are specified on Sheet SD14.
 - Panel shall be lifted in place with a strongback (STR-500) as depicted below. The strongback is attached to the top plate at two point using connections with an allowable design resistance of 200 lb each.



