

EPS Basement Panels



More comfort

- ▶ Wood walls eliminate the damp "musties" that often accompany a concrete wall.
- ▶ Wood foundations make basements warmer and dryer than poured concrete or concrete block.

Stronger

- ▶ Wood foundation walls are stronger than concrete block walls. A foundation wall's biggest challenge is resisting lateral forces rather than holding up the weight of the building.

Better

- ▶ Energy Efficiency: EPS panelized foundation panels have R-Values of 33. It would take 412" of concrete walls to equal.
- ▶ Design flexibility: EPS panelized foundation panels can be easily designed for any building type, size or shape.
- ▶ Treatment of a minimum of .60 lbs./ft³ of preservative retention meeting AWPA standard C22. The preservative treatment is effective in resisting damage from moisture and insects.

Easier

- ▶ Wood foundations for most homes and small commercial structures can be installed in a day, as opposed to at least 4 days for forming, pouring and curing.
 - ▶ Panelized foundations allow ease of construction scheduling.
- Ease of finishing: panelized walls, attaching drywall, paneling and trim is made simpler.



Energy Panel Structures

603 N. Van Gordon Ave., Graettinger, IA 51342

Additional Manufacturing Locations:

Perryville, MO
573-547-8187

Clyde, NY
315-923-7775

Phone: 712-859-3219

100% Employee Owned—100% Committed to Quality



Basement Panels

Package pricing includes:

Wall panel of: 3/4" treated plywood 7-3/8" EPS 3/4" CDX plywood interior w/ treated studs 24" o.c. within sidewall.

Treated 2" x 8" sill plate; treated 2" x 8" wall studs; double SPF top plate.

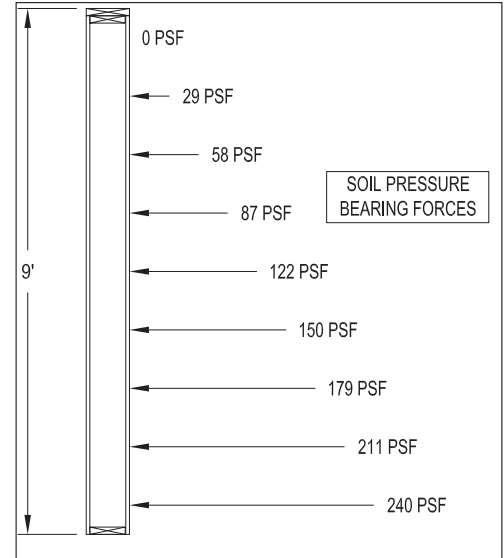
Treated 1" x 4" screed board; treated 3/4" plywood protective strip; 6 mil. polyfilm.

Stainless steel nails exterior and galv. interior.

All necessary fasteners and sealants.

Options:

Available with vertical wire chases, 48" o.c.



Third party testing of lineal lateral forces to 240 lbs./ft.².
 1/240 design based on 30 lbs./ft.² soil pressure per foot of depth.
 Safety factor of 3.

NOTE: SEAL ALL EXTERIOR JOINTS AND PANEL BASE WITH "TAR" OR EQUIVALENT FOUNDATION SEALER

FINISH GRADE SLOPE
 1/2" PER FT MIN, 6' FROM WALL

12" WIDE 3/4" TREATED PLYWOOD STRIP
 PROTECTING POLYETHYLENE SHEETING

NOTE: BACKFILL WITH CRUSTED STONE OR GRAVEL
 12" FOR GROUP I SOILS, AND HALF THE BACKFILL
 FOR GROUPS II & III SOILS, COVER TOP OF GRAVEL
 W/ ASPHALT OR POLYETHYLENE STRIPS
 PRIOR TO REMAINING BACKFILL

COVER WALLS WITH
 6 MIL POLYFILM

9" SIP TAPE AT BASE OF PANEL PRIOR
 TO LAPPING POLY OVER FOOTING

PERIMETER DRAIN
 BY OTHERS

5/8"x8" ANCHOR BOLTS @ 4' O.C. & WITHIN
 6" OF BREAKS & CORNERS, BY OTHERS

2x10 CAP PLATE RIPPED TO
 WIDTH OF PANEL

TREATED 2x8 TOP PLATES

R-33 EPS WALL PANEL, 3/4" TRT PLYWOOD/
 7/8" EPS/3/4" CDX PLYWOOD INT. w/
 TREATED STUDS 24" O.C. WITHIN SIDEWALL

9' MAX

TREATED 2x8 STUDS @
 PANEL SPLICES

TREATED 2x8 BASE PLATE

TREATED 1x4
 SCREED BOARD

9-1/4" SILL SEAL
 BENEATH ENTIRE PANEL

CONCRETE FOUNDATION DESIGNED AND
 SUPPLIED BY OTHERS