

# Residential Wood Framing Infographic



## Permanent Wood Foundation System

Plastic Sheathing  
deflects water into  
Pea Rock

Pea Rock for  
water drainage and  
soil expansion and  
absorption

R-21 Batt Insulation  
is easily installed and  
fits nicely in the wood  
frame wall cavities

Panel joints are sealed  
with Caulk and covered  
with a Polyethylene Water Barrier

A 3.5" concrete floor  
is on Pea Rock base

Pea Rock layer beneath the foundation  
provides an efficient, unobstructed  
drainage system. Water flows down through  
the gravel and through the gravel to the sump and  
away from the home.  
The drainage system routes water away from the  
foundation, prevents a pressure build up against  
the foundation and prevents leaks.

Pressure preservative  
treated wood frame  
foundation walls are  
engineered to absorb  
and distribute soil  
loads and stresses

Wiring and plumbing  
can all also be installed  
in the wall cavities for more  
living space and easy  
finishing.

Source: <https://eid-co.com/>