

UNIT F: Sections and Details

Competency: 206.00

Draw wall sections and details.

Objective: 206.04

R1, pgs 172-185
R2, pgs 515-536, 579-595

Identify insulation and vapor barrier materials and construction.

A. Insulation

- ✱ 1. Slows the transfer of heat
2. Placed in walls, floors, and ceilings that face unheated areas
3. Types
 - a. Flexible batt and blanket
 - b. Loose-fill
 - c. Rigid board
 - d. Spray-on
 - e. Reflective foils

B. R-values

1. The higher the R number the greater the resistance to heat flow.
2. All materials have an R-value.
3. Requirements vary with geographic location.

C. Vapor barriers

1. Placed on the heated side of insulation
2. Types
 - a. Papers attached to flexible batt and blanket insulation
 - b. 6mil polyethylene sheets
 - c. Rubberized asphalt membrane
 - d. Foil-backed gypsum board