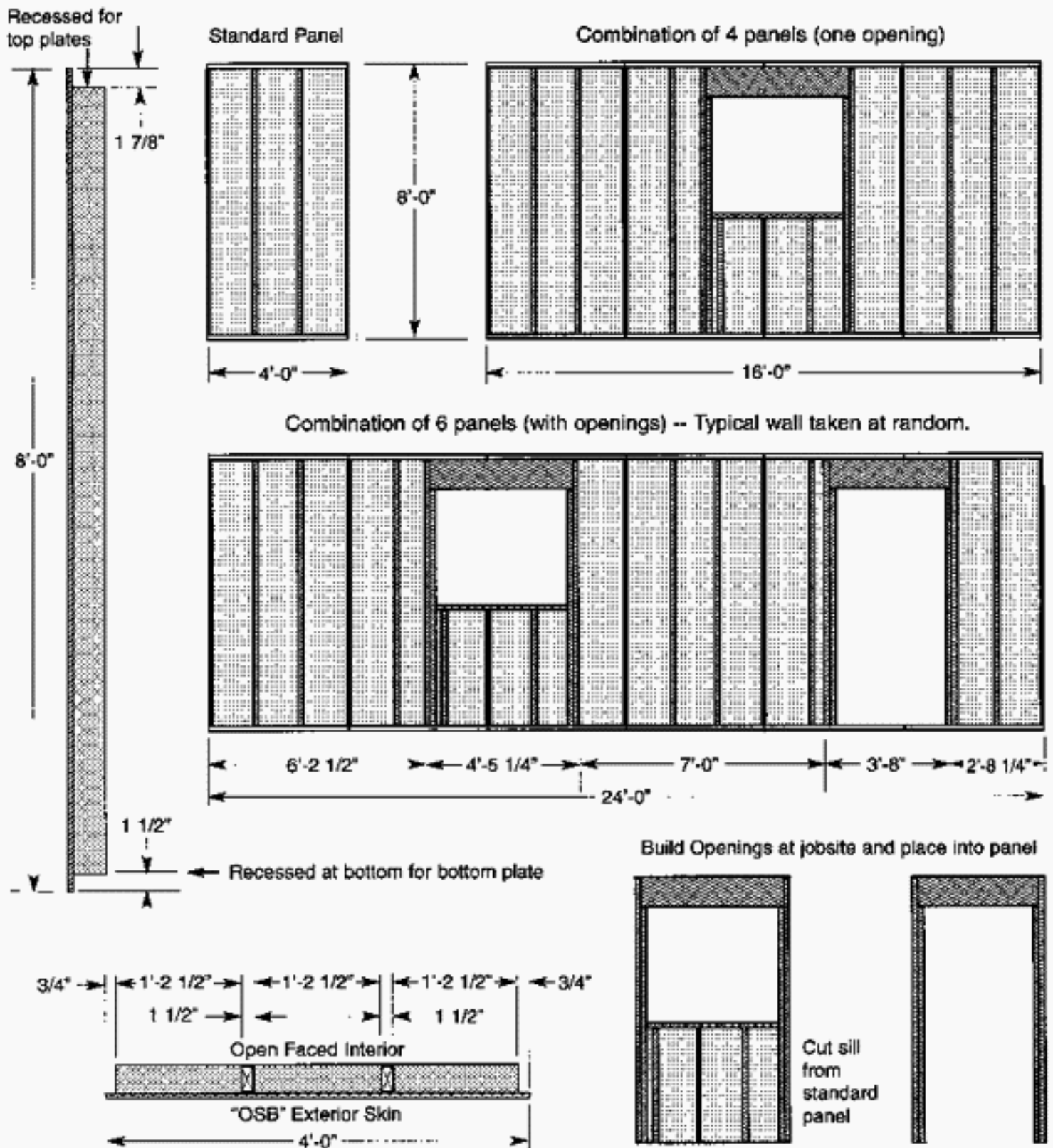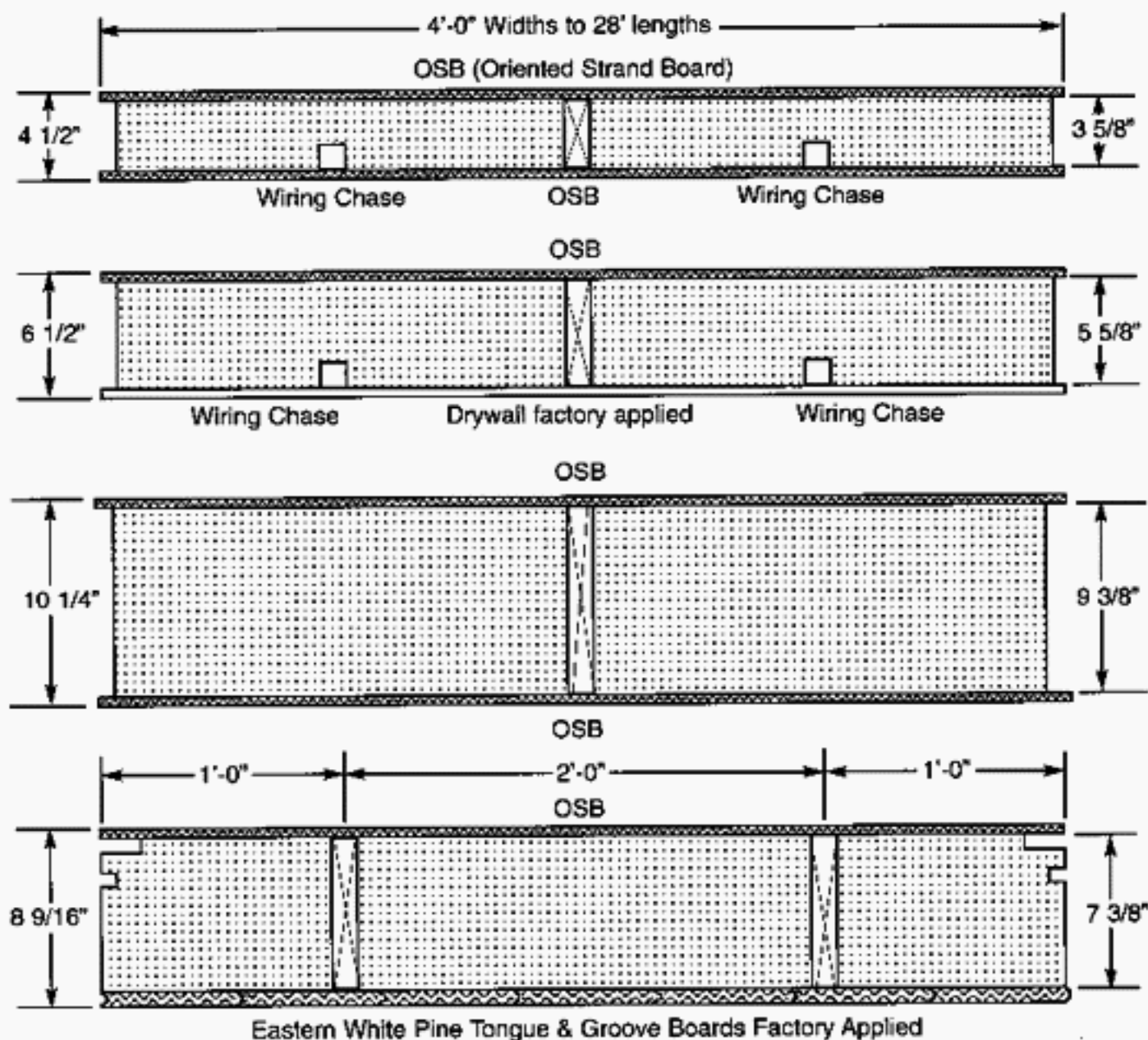# Insulated Framing Panels

Insulation, conventional framing and sheathing all in light weight versatile panels.
Offers energy efficiency, strength and substantial labor savings.

Recessed for top plates

1 7/8"

8'-0"

Standard Panel

8'-0"

4'-0"

Combination of 4 panels (one opening)

16'-0"

Combination of 6 panels (with openings) -- Typical wall taken at random.

6'-2 1/2"   4'-5 1/4"   7'-0"   3'-8"   2'-8 1/4"

24'-0"

1 1/2"

Recessed at bottom for bottom plate

3/4"   1'-2 1/2"   1'-2 1/2"   1'-2 1/2"   3/4"

1 1/2"   1 1/2"

Open Faced Interior

"OSB" Exterior Skin

4'-0"

Build Openings at jobsite and place into panel

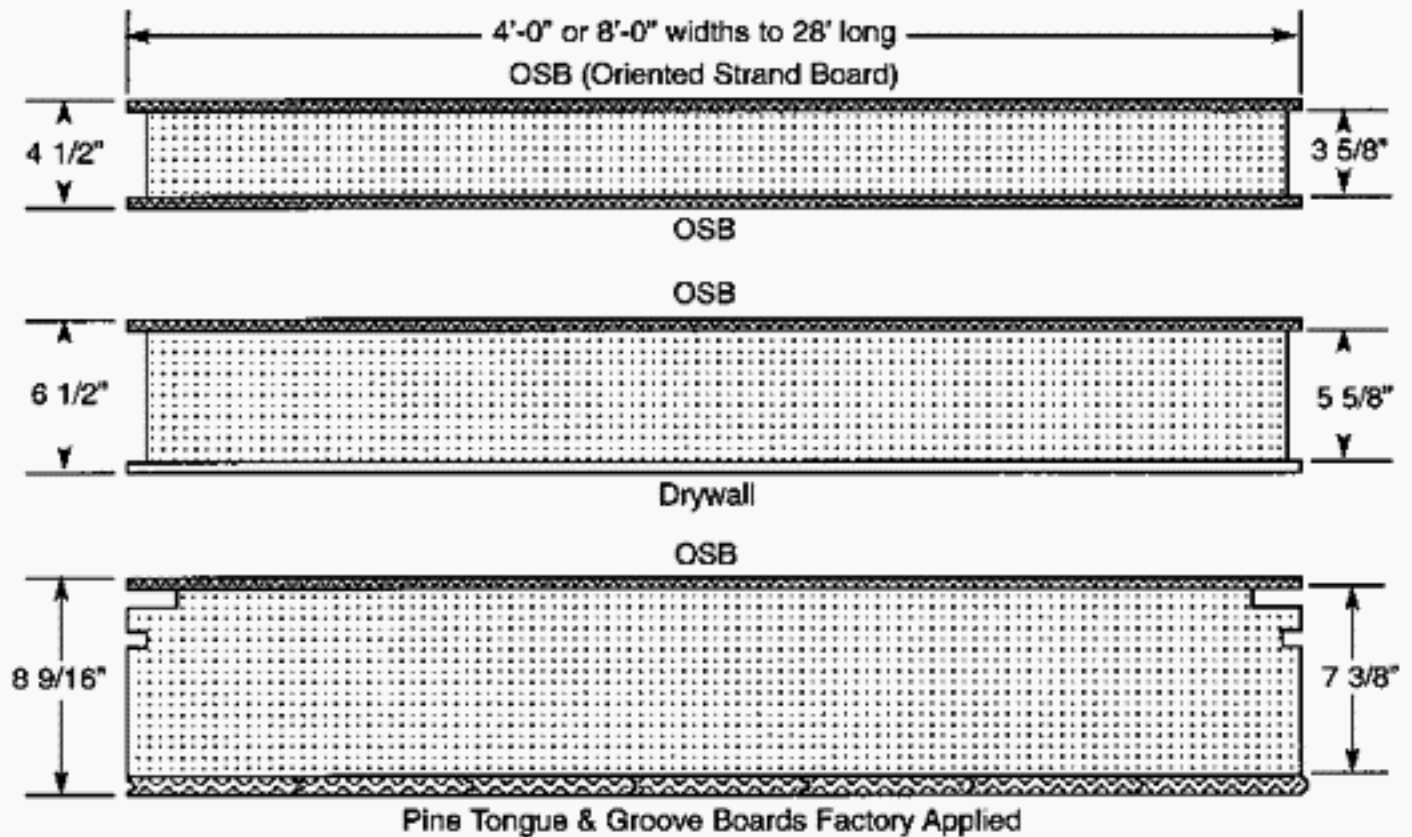Cut sill from standard panel

Structural Insulation Panels

The standard 4' x 8' wall panel consists of a 3 5/8", 5 5/8", or 7 3/8" expanded polystyrene (EPS) core sandwiched between two oriented strand board (OSB) skins. A 92 5/8" pre-cut stud incorporated at the center point within the EPS core (or two studs 16" on center), integrated with connector splines provide 24" or 16" framing centers. The EPS core is recessed 3/4" both sides of the panel allowing a lead stud, or spline, to be inserted half in one panel and half in the next, locking the panels together and completing the 24" and 16" on center stud spacing. Appropriate recesses are provided for additional framing members at window and door openings, corners and ridge beam support locations. Wall panels are recessed 1 1/2" at the bottom allowing the panel to lock down over the bottom plate, which is attached to the floor systems prior to panel installation. The lead stud is "toe-nailed" to the bottom plate. A 1 7/8" recess is provided at the top of the panel allowing a double to be inserted, locking the entire wall system together
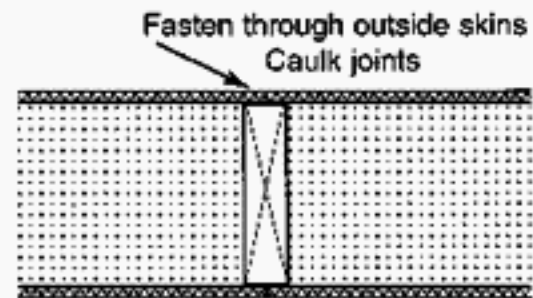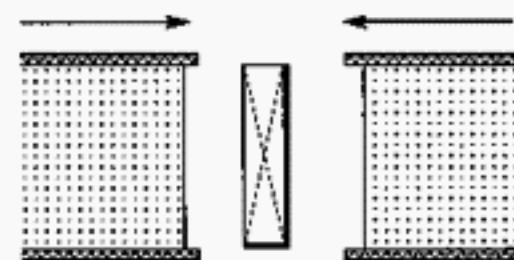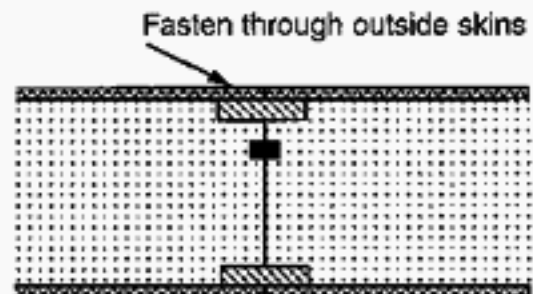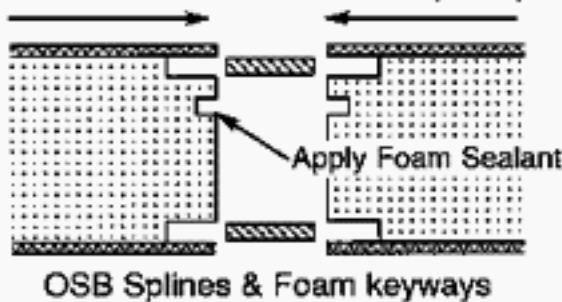

4'-0" Widths to 28' lengths

OSB (Oriented Strand Board)

4 1/2"   3 5/8"

Wiring Chase   OSB   Wiring Chase

OSB

6 1/2"   5 5/8"

Wiring Chase   Drywall factory applied   Wiring Chase

OSB

10 1/4"   9 3/8"

OSB

1'-0"   2'-0"   1'-0"

OSB

8 9/16"   7 3/8"

Eastern White Pine Tongue & Groove Boards Factory Applied

Stress Skin Panels

Spanning Beams & Purlins, Stress skin panels offer strength, energy efficiency and speed. Optional finished skins can be factory applied. Typical skins are Drywall, Tongue & Groove Eastern White Pine and fiberglass reinforced plastic (FRP). Standard thicknesses - 4", 6", 8", 10", 12". Commonly used for walls, & cathedral roof applications for timber frame, post & beam construction and log home roofs.

4'-0" or 8'-0" widths to 28' long

OSB (Oriented Strand Board)

4 1/2" 3 5/8"

OSB

OSB

6 1/2" 5 5/8"

Drywall

OSB

8 9/16" 7 3/8"

Pine Tongue & Groove Boards Factory Applied

All thicknesses available with these spine options

Apply Foam Sealant

OSB Splines & Foam keyways

Fasten through outside skins

2x frame attachment

Fasten through outside skins
Caulk joints

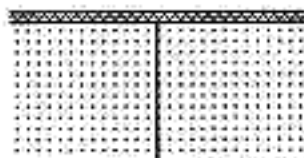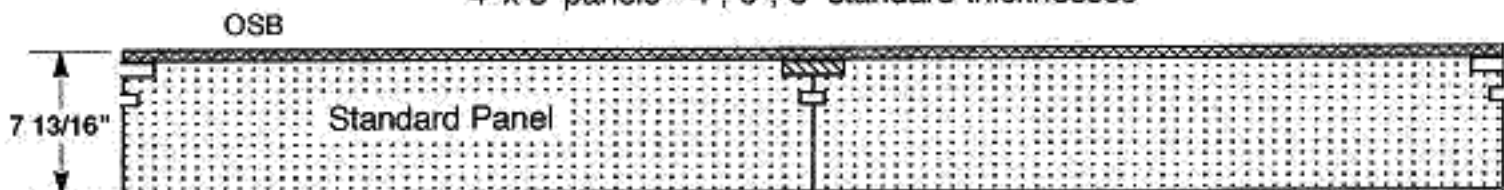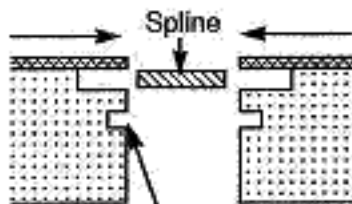| Description	Stress Skin Panels	Drawn by	EPS
EAGLE PANEL SYSTEMS, INC.	1-800-643-3786 Fax: 618-326-8620 www.eaglepanelsystem.com	Date	10-25-99
		Dwg no.	SS-1

Nailbase Insulation Panels

One-step insulating and sheathing panels. Install over a structural roof decking such as tongue and groove Pine or Cedar boards. Add interlocking 7/16" x spline rout and foam keyway for uninterrupted insulation throughout the system.
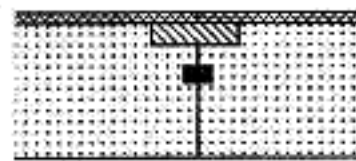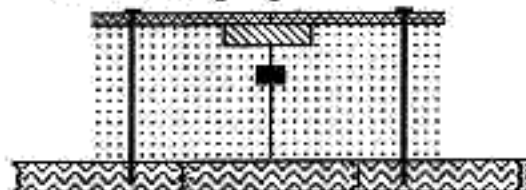
4' x 8' panels - 4", 6", 8" standard thicknesses

OSB

7 13/16"

Standard Panel

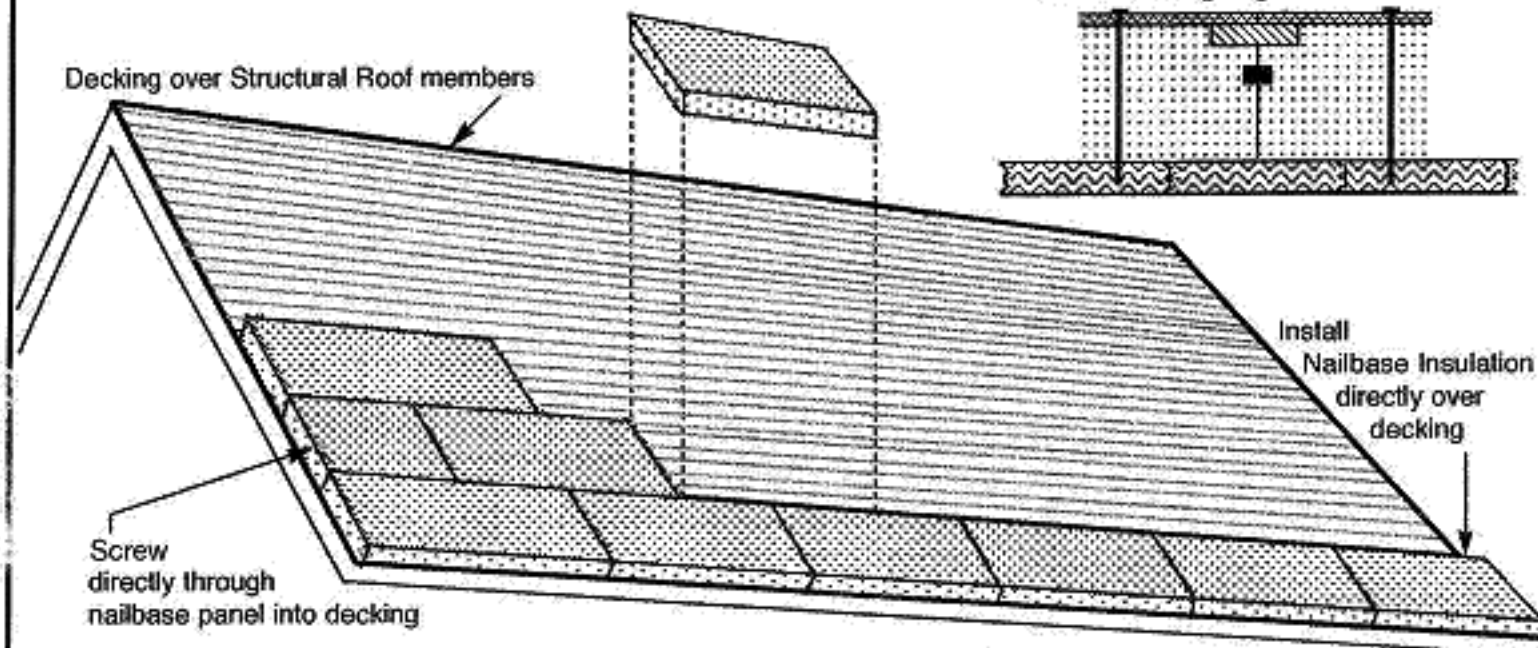Unsealed-Square edged panels not recommended.

Spline

Apply foam sealant

Spline fastened through outside skins

Screw through panel into decking every 16" O.C. along edges and field

Decking over Structural Roof members

Screw directly through nailbase panel into decking

Install Nailbase Insulation directly over decking

Typical Roof Insulation