

When The ISIP™  
ROOF SYSTEM  
Exceeds Your  
Framing Needs...

# The ISIP™ ROOF SYSTEM / INTEGROOVE™ VAULTED CEILING PANELS...

When Your  
Frame Is Already  
Decked...

### 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. Standard thicknesses - 4", 6", 8", 10". Commonly used for walls & cathedral roof applications for log home roofs, timber frame and post & beam construction.

4 1/2" OSB (Oriented Strand Board) 3 5/8"

6 1/2" OSB 5 5/8"

8 9/16" OSB 7 3/8"

Pine Tongue & Groove Boards Factory Applied

All thicknesses available with these spine options

Fasten through outside skins

Apply Foam Sealant

OSB Splines & Foam keyways

Fasten through outside skins  
Caulk joints

2x frame attachment

Description	Stress Skin Panels	Drawn by	EPS
Date	5-01-07		
Dwg no.	SS-1		

**EAGLE**  
PANEL SYSTEMS, INC. 1-800-643-3786 / Fax: 618-326-8620  
www.eaglepanelsystems.com  
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### Structural Clearspan Roof Panels

4 13/16" 3 5/8" 7/16 x spline R-17

6 9/16" 5 3/8" 7/16 x spline R-25

8 9/16" 7 3/8" 7/16 x spline R-34

10 9/16" 9 3/8" 7/16 x spline R-41

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

8 9/16" 7 3/8"

Slot for spline  
Foam keyway for sealant

Oriented Strand Board (OSB) applied to panel exterior skin

The INTEGROOVE™ Vaulted Ceiling Panel  
Beautiful 3/4" tongue & groove  
pine boards applied to inside!

**Greater Insulation Values!!**

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### 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.

OSB 4 x 8' panels - 4", 6", 8" standard thicknesses

7 13/16" Standard Panel

Decking over Structural Roof members

Install Nailbase Insulation directly over decking

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

Unsealed-Square edged panels not recommended

Apply foam sealant

Spline fastened through outside skins

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

Description	Nailbase Insulation Panels / Non-Structural	Drawn by	EPS
Date	5-01-07		
Dwg no.	NB-1		

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SANDWICH PANELS

RAFTED SANDWICH PANELS

OPEN-FACED SANDWICH PANELS