

**CORNELL CORPORATION**[www.cornellcorporation.com](http://www.cornellcorporation.com)**Performance Building Products**Checkout Our  
New Website!**CVRS****For Shingles and  
Metal Roofing****FASTENERS  
NOW AVAILABLE!**  
See Page 2 for Details

- Factory-made ventilated sheathing panel built with wood spacer blocks
- 1" deep open space (1-1/2" or 2" open space optional) to allow airflow below the sheathing in all directions
- 7/16" OSB Standard; 5/8" or 3/4" OSB or Plywood optional
- Eliminates field fabrication - saves time!

**USES AND APPLICATIONS**

Shingle manufacturers require ventilation between the roof sheathing and the insulation. **Cornell Ventilated Roof Sheathing** provides the sheathing and the ventilation space in one product. It is used above the roof deck and insulation. This is particularly useful when reroofing buildings where the existing insulation is sufficient. Eave and ridge vents (by others) are used to allow air flow through the ventilated space.

**DRAFT SPECIFICATION**

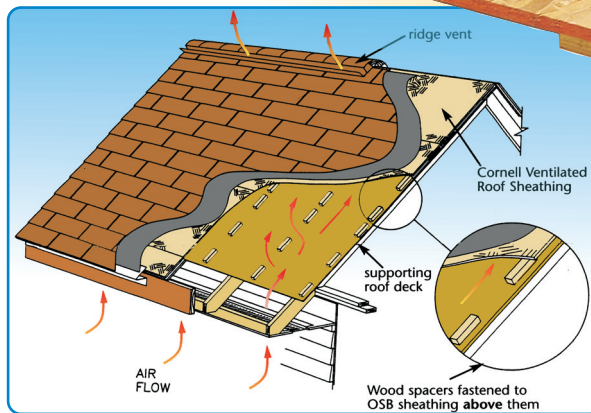
The roof sheathing shall be **Cornell Ventilated Roof Sheathing**. It shall consist of 7/16" (optional 5/8" or 3/4") oriented strand board or plywood sheathing with 1" deep wood spacers (1-1/2" or 2" optional) secured to the underside of each 4' x 8' panel. The wood spacers shall not be more than 12" apart in either direction.

The unobstructed air space shall be over 92% of the panel area and shall allow air flow both up the slope and horizontally. The air space shall provide 10 Sq. In. of Net Free Area per Lineal Foot of sheathing after deducting for the spacers.

**DESIGN CONSIDERATIONS**

An engineer should determine that the roof deck is structurally sound for the spans involved and that it will securely hold the fasteners that are used to attach the Ventilated Roof Sheathing. On some buildings a vapor retarder may be needed below the insulation.

**CONTACT US FOR INSTALLATION INSTRUCTIONS  
AND FASTENER LAYOUT.**

**KEY FEATURES**

**Cornell Ventilated Roof Sheathing** allows ventilation in all directions which is most important on buildings with hips and valleys or other obstructions. Small solid wood spacers occupy only 8% of the panel area, leaving 92% ventilated.

The spacers are less than 12" apart in both directions which greatly reduces the flexibility of the sheathing. Cornell Ventilated Roof Sheathing provides over 10 sq. in. of Net Free Area per Lineal Foot of sheathing after deducting for the spacer blocks. This exceeds the standard 18 sq. in. per foot (9 sq. in. per foot each side) used in the ridge vent industry.

**SHEATHING**

The oriented strand board used is approved as roof sheathing by all major code bodies and conforms to APA rated sheathing standard PRP 108, Exposure 1 and HUD/FHA-918. 7/16" OSB is accepted as roof sheathing under Class A shingles approved by Underwriters Laboratories.

The Ventilated Roof Sheathing shall be securely fastened to the supporting roof deck through any insulation that is between them. See separate installation instructions.

NOTE: Eave and ridge vents (by others) should be included in other parts of the specifications.

**CORNELL CORPORATION**

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**We're Here to Help You!**

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