

**Oregon
Interpretive Ruling No. 93-4
ROOF SPACED SHEATHING**

Requested By: MICHAEL A. CLIBURN, BUILDING OFFICIAL, CLACKAMAS COUNTY
DECEMBER 8, 1992

REQUEST FOR RULING

Do space sheathed roofs satisfy the prescriptive requirements of Chapters 4 and 7 in the One and Two Family Dwelling Code (Dwelling Code).

CODE SECTIONS

Chapter 4 and 7 of the Dwelling Code.

R-201.5 Partition load: Interior walls and partitions shall be designed to resist a minimum lateral load of 5 psf.

HISTORY

The 1989 *Application and Commentary CABO One and Two Family Dwelling Code* (page 4-16, Section R-402.10) recommends bracing be provided at main cross-stud partitions to accommodate modern irregular shaped buildings. Chapter 7 Roof Construction, in the Dwelling Code is silent on the use of spaced sheathing in construction of roof systems. However, in Chapter 8 spaced sheathing is mentioned in Section R-809 and R-810 related to wood shakes and wood shingles.

BOARD FINDING

This interpretation is authorized by ORS 455.060, Rulings on Acceptability of Materials, Designs or Methods of Construction and Attorney General's Opinion OP-5208 issued October 1, 1981, which advised that the statute is designed to permit authoritative interpretations of existing code requirements.

DISCUSSION

None.

CONCLUSION

Yes, but such space sheathed roofs require additional bracing. Buildings provided with interior brace panels, where required, as prescribed in Interpretive Ruling 93-7, ~~where required~~, will provide adequate bracing when used in conjunction with 1 x 6 or wider spaced roof sheathing. Brace panels must be tied or connected to the roof structure. Where brace struts are used they shall not be smaller than 2-inch by 4-inch members. The unbraced length of struts shall not exceed 10 feet and the minimum slope of the struts shall not be more than 60 degrees nor less than 30 degrees from the horizontal. (Angle adjusted for lateral loads.)

_____ (signed May 19, 1993)

John Talbott, Chairman
Structural Code Advisory Board

_____ Date

The recommendations and findings of the Structural Code Advisory Board are accepted and adopted.

_____ (signed May 24, 1993)

Gary J. Wicks, Administrator
Building Codes Agency

_____ Date