VARIATIONS FOR BUILDING THE NAIL-GLUED "W" ROOF TRUSS

**INTERMEDIATE JOINT VARIATION**
The bottom chord can be located at the intermediate locations by nail-gluing gusset plates to both sides.

**MATERIALS AND NAIL-GLUING**
The quality of materials and workmanship is important to the ultimate strength of the truss. The builder must use good judgment in the selection of materials and must follow the simple rules for nail-gluing and truss handling as set forth in Small Homes Council Instruction Sheet #1, Nail-Gluing of Roof Trusses and Frames.

Each structural member should have a moisture content of 15% or less.

Structural timber for the chords must be No. 1 southern yellow pine (1500 psi., stress grade) or reselected lumber from a commercial lumber yard. (See reselection procedure given in Small Homes Council Instruction Sheet #1, Reassembly of Lumber for Roof Trusses.) The finish coat of the truss should be painted with white paint or a white primer that will not turn yellow with age.

**TRUSS DESIGN — CIRCLES INDICATE WHERE VARIATIONS MAY BE USED**

**VARIATIONS FOR BUILDING THE NAIL-GLUED "W" ROOF TRUSS**

2' x 4' Truss, 2' on Center, 20'-8" to 28'-8" Spans

INSTRUCTION SHEET #13

UNIVERSITY OF ILLINOIS • SMALL HOMES COUNCIL • URBANA, ILLINOIS

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Price: 50 cents

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