HOW TO BUILD A TRUSSED ROOF-FRAME FOR 1 1/2-STORY HOUSES — 8 OR 9/12 SLOPES, 2' ON CENTER, 22'-8" TO 28'-8" SPANS

From Table in No. 17, locate proper slope, member sizes. Cut two 2" x 6" rafters as shown.

Place joists on stair-well trusses with continuous members as deep as joists. Spike together throughout length. Use 4-man crew to erect truss. Carry truss as shown. Place truss upside down on wall plates, using entire crew. Men on plates can rotate truss to vertical position as men on ground bring next truss.

Connections shown are for all spans, 22'-8" through 28'-8" and out.

SLOPES AND MEMBER SIZES (Use 1100 p.s.i. Stress Grade t)

### SLOPE

- **8'-0"**
  - Vertical projection 3'-0"
  - Out-to-out projection 4'-0"

- **9'-0"**
  - Vertical projection 3'-6"
  - Out-to-out projection 5'-0"

### Rafter and Joist

- **First-floor joists:** 2" x 6"
- **Second-floor joists:** 2" x 8"

### Ceiling Load

- **Ceiling Load:** .8 p.s.f.

### Floor Load

- **Floor Load:** 20 p.s.f.

### Truss Load

- **Truss Load:** 40 p.s.f.

### Tank Load

- **Tank Load:** 50 p.s.f.

### Roof dead load

- **Roof dead load:** 20 p.s.f.

### Roof live load

- **Roof live load:** 10 p.s.f.

### Minimum member sizes for non-load-bearing trusses

- **First-floor joists:** 2" x 6"
- **Second-floor joists:** 2" x 8"

### Maximum member sizes for non-load-bearing trusses

- **First-floor joists:** 2" x 6"
- **Second-floor joists:** 2" x 8"

### Minimum member sizes for load-bearing trusses

- **First-floor joists:** 2" x 6"
- **Second-floor joists:** 2" x 8"

### Maximum member sizes for load-bearing trusses

- **First-floor joists:** 2" x 6"
- **Second-floor joists:** 2" x 8"

### Minimum member sizes for stair-well trusses

- **First-floor joists:** 2" x 6"
- **Second-floor joists:** 2" x 8"

### Maximum member sizes for stair-well trusses

- **First-floor joists:** 2" x 6"
- **Second-floor joists:** 2" x 8"