

Truss Span (ft)

40 feet or less

POST SIZE

41 - 50 feet

Post Height (ft)

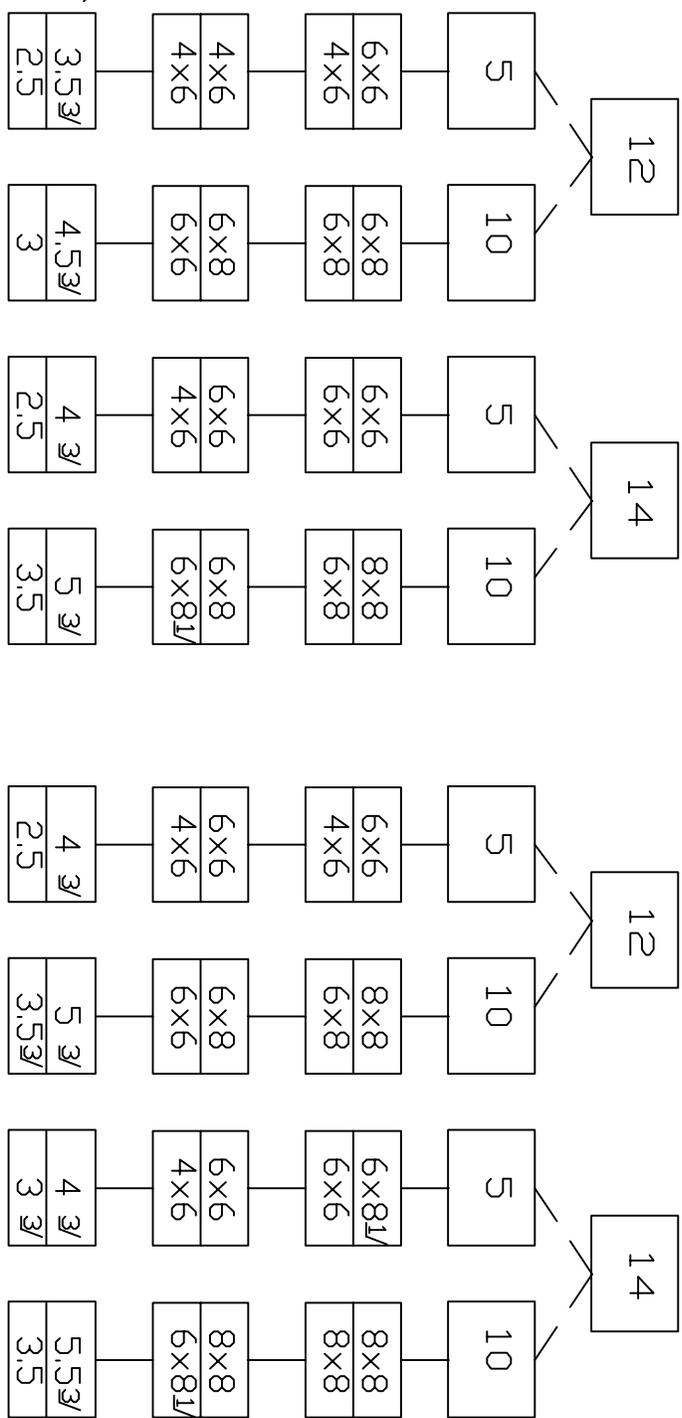
Post Spacing (ft)

Post Size

without rigid wall support

with rigid wall support

Embedment (ft)



The dimensions in Table 2a are based on the following conditions:

- (1) 50-year wind speed = 80 mph. This chart may be used for counties in north Alabama. This includes those counties south of a line drawn between Phenix City in Russell County and Livingston in Sumter County.
- (2) Roof slope 5:12 or flatter.
- (3) All post and girder dimensions are nominal unless otherwise noted.
- (4) The use of knee braces is required for all post-to-truss connections.
- (5) All lumber and post sizes are based on #2 Southern pine lumber.
- (6) Truss span is considered to be from inside of post to inside of post.
- (7) Soils are assumed to be average or better. This includes well drained, compact, sandy or gravelly clays or silts with firm to very stiff consistency (SW, SP, GM, GC, SM, SC). Sites having soft clay, silt or fine sand, poorly drained conditions, or highly plastic clays should be designed individually by an engineer.
- (8) Concrete or earth floors are adequate with due consideration of post embedment depth.
- (9) The roof is assumed to have a 2-foot eave overhand.
- (10) Posts are assumed to be totally encased in concrete for the full embedment depth. A minimum post hole 12 inches in diameter is required. The post must be standing on a concrete pad having a minimum diameter of 12 inches and a minimum thickness of 6 inches.
- (11) Rigid wall support is considered to be that provided by a reinforced concrete wall or reinforced concrete block wall attached to or bearing against the building posts or a wooden composter wall attached to the posts and oriented perpendicular to the building.

NOTE: Where these conditions cannot be met, contact the resource engineer for guidance.

