Chapter 13: Square The Roof
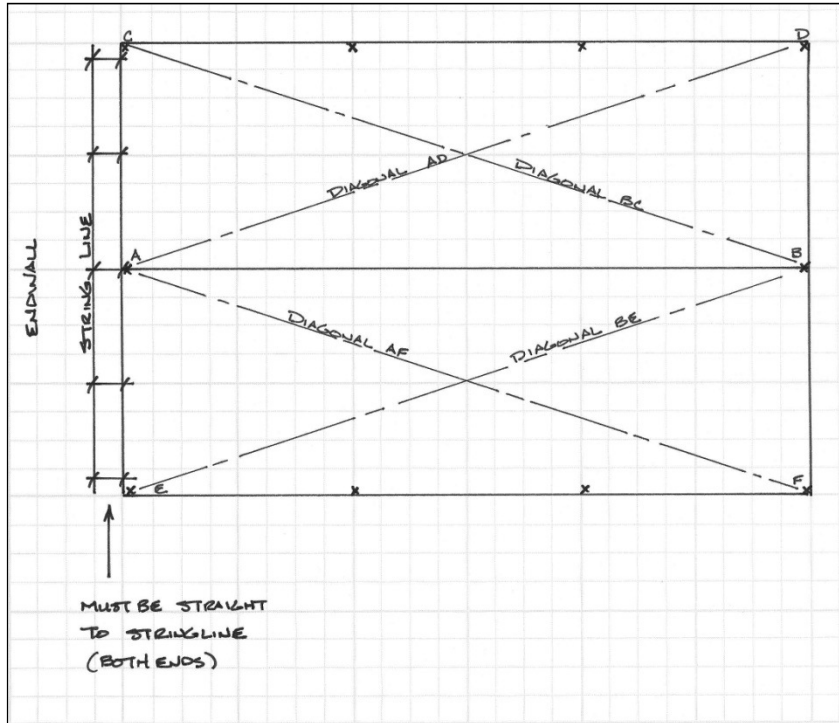

Figure 13-1

Step #1 Check both endwall trusses for straightness (against a string line) from side to side.

Step #2 Make certain endwall truss is plumb at each column. Properly set columns are either plumb or lean out slightly. To pull in, attach a cable from this column top to column base at opposite endwall. Using a "come-along" move column top inward until plumb.

Step #3 Using a string line align all eave girts to straight. Any nonaligned column tops can be pulled into place using a "come-along" also, using same procedure as outlined in last paragraph. This is critical as this building line will be a noticeable one.

Step #4 Make certain roof is square by checking diagonals from peak at one end to eave at opposite corner. Refer to **Figure 13-1** where diagonals AD and BC, AF and BE are equal.

Be certain to measure from same "point" going each direction. Serious errors have been caused by lack of consistency. If uncertain, double check.

If any roof diagonals are "long", run a cable and come-along from truss peak to opposite corner column (along purlin underside). Pull slowly until dimensions are equal. A very small "tug" can change a diagonal drastically.