Bar visibility drawing of a graph represents vertices as horizontal line segments so that there is a clear, vertical line of sight between each pair of adjacent vertices. This simple idea leads to at least three different definitions of bar visibility representations. Those representations are tightly connected with st-numberings of planar graphs. In this talk we show that, independent of the definition, it is NP-complete to decide if a given predrawing of some of the vertices of a graph can be extended into a drawing of the whole graph.