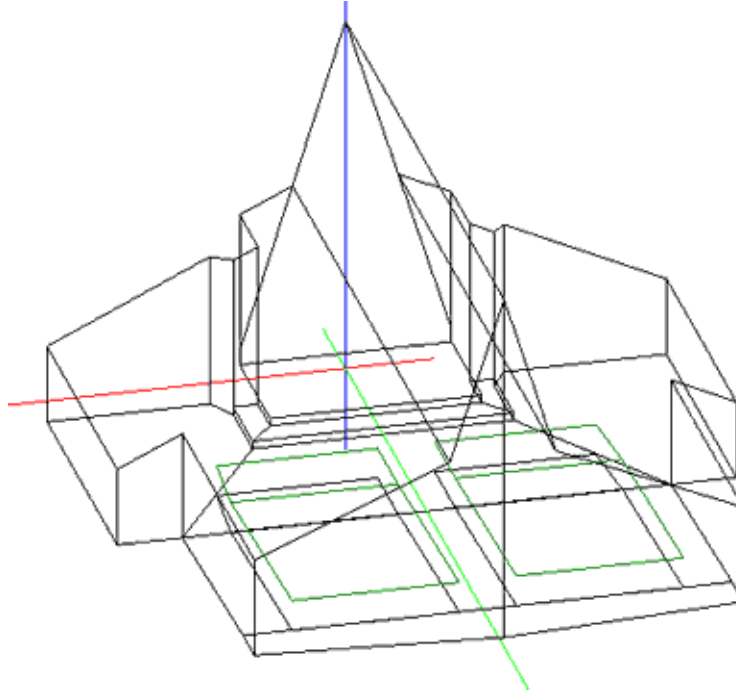


## Another Example – Speech Intelligibility Problems in a Church:



The above figure shows the beginning of another design using EASE. In this case, a church with traditional acoustical needs for their church services had a problem associated with the intelligibility of Pastor's voice, because older members of the church congregation were experiencing difficulty hearing/understanding the Pastor with the church's existing sound system. The problem needed to be solved, and like most churches, it needed to be solved on a limited budget. The installation of a conventional cluster speaker was unacceptable because of the aesthetic impact. Further adding to the design challenge, the room was also very reverberant, and what ever design was used, it was critical to keep acoustic energy away from everywhere but the congregation. EASE provided the tools for the acoustical engineers to find a solution that was within the budget of the church.