



**HVAC CONTRACTOR: TEC, INC**

**SOUND CONTRACTOR: WARKWICK COMMUNICATIONS**

DSM & Associates was asked to help improve the “sound” in the main auditorium at Third Federal Savings and Loan. See insert for before picture.

There were three areas of interest in this facility. The first was the high noise levels produced by the HVAC system. The second was a high level of reverberation in the room and the third area was the coverage of the sound system.

DSM worked with the HVAC engineers to lower the noise created by the system. This involved adding several registers to the system thus lowering the amount of air flow to each unit and lowering the noise levels in the room.

DSM also worked the architect to develop a plan help further reduce the noise levels and lower the reverberation in the room. We choose to add a suspended acoustic ceiling to the space to help control the reverberation as well as cover the added duct work.

The final step was to computer model the room and to correctly identify speaker types and placement in the room. DSM wrote the RFQ and help select contractor for the sound system. We assisted the installer with the integration of the new sound system into the existing Video System.