



## **University Of Indianapolis Christel DeHaan Fine Arts Center Indianapolis, Indiana**

The University's newest building, The Fine Arts Center is designed to incorporate public spaces, private offices and classroom areas, studio spaces, practice rooms, rehearsal halls, and an 80-seat lecture hall. The public will have access to an art exhibition gallery and a 500-car seat choral and orchestral concert hall which will be the focal point of the facility.

The concert hall design is based on a combination of the turn-of-the-century Viennese music halls and the "shoe box" music halls. Every corner and detail, from the seating and chandelier to the ceiling and flooring, have been analyzed for the best possible acoustics.

The selected project design has three components: the public space, the music department, and the art department. There are separate public and student entrances which are connected by interior corridor that spans the length of the facility.

The exterior of the building is sculptural in appearance, incorporating a diagonal brick pattern and random window configuration. Although its design and materials, red brick and limestone, complement the existing architecture on campus, it creates a distinctive,



new image which reflects the University's commitment to and interest in the arts.

Due to the project size and the architecturally sensitive detailing requirements, structural steel was the material of choice for The Fine Arts Center. The structural steel frame utilizes Type 2 moment connections for lateral load resistance and composite floor framing.

In order to accommodate the stringent acoustical criteria, concrete on metal roof deck was used in certain areas for sound transmission control.

The state-of-the-art concert hall was a structurally challenging component of the building. Built-up barrel roof trusses were used to span the openness of the hall and to meet the architectural requirements of the members. The two-level balcony, within the concert hall, required the use of structural steel moment connections to achieve the necessary cantilevered construction.

Structural: Fink Roberts & Petrie, Inc.

