

CURRENT/RECENT PROJECTS

PLANETARIUMS/ SCIENCE CENTERS

Surry Community College

Yadkin County Center -- Distance Learning Room

Architectural Design Associates

Yadkinville , NC

The Yadkin County Center Distance Learning Room was located on the lower level of the project, next to the building's main mechanical room. The goal of seating 25 was accomplished by using computer tables that contained recessed monitors so the work surface was clear for non-computer based distance learning classes. The acoustical detailing of the walls, door and room finishes will help supports the natural acoustics in this intimate distance learning computer class room

Coulter Recital Hall Renovation

Isaac & Horne Western Carolina University

Cullowhee, NC

Coulter Recital Hall is a 420-seat auditorium located in the Coulter Building at Western Carolina University. The Recital Hall is used primarily for musical presentations, ranging in scale from individual recitals and chamber music performances to full-size band and orchestra concerts. However, the space is also used for lectures and awards ceremonies. Therefore, the renovation of the Recital Hall must allow for a variety of uses. Recommended placement of acoustical materials in order to increase clarity throughout the hall.

Bertie – High School Renovation

Shuller Ferris

Fayetteville, NC

Bertie High School Auditorium has 800-seat divisible room that is used for lectures, musical presentations, and theatre. The main floor consists of 550 seats, with 250 additional seats in the balcony, which can be closed off from the lower level with an operable partition or "air wall" The acoustical design concerns included sound isolation and mechanical noise control from the buildings main HVAC systems which was located adjacent to the Auditorium on the second level. Speech intelligibility and compromise in reverberation times for both choral and drama events drove the acoustical design of the Auditorium.

Cumberland County High School

Shuller Ferris

Fayetteville, NC

Cumberland County High School Auditorium is a 650 seat Auditorium with Balcony that is used for lectures, musical presentations, and theatre. Acoustical design concerns included sound isolation, mechanical noise control from adjacent HVAC units, as well as speech intelligibility, reflector design and a mixed use reverberation time for the room acoustics issues.

Orlando Science Center - CineDome

iWERKS Entertainment

Orlando, FL

For this 15/70 dome theatre which seats 310 people, we designed the 28,000 watt digital audio system and the loudspeaker layout pattern for the 30 speakers which are grouped into 7 clusters. The Dr. Phillips CineDome is also used as a planetarium (with live video feed from the on-site observatory telescope) and for laser light shows.

Fernbank Planetarium

Atlanta, GA

Fernbank Science Center

TA provided acoustical and audiovisual consulting for the refurbishment of this theatre is circular with a 70-foot diameter dome forming the ceiling which also serves as a projection screen. Seating capacity is 500. These facts make the Fernbank Science Center planetarium one of the largest planetariums in the United States.

PLACES OF WORSHIP

St. Anne's Church

Memphis, TN

Williamson Pounders Architects, PC

Acoustical consulting for St. Anne's Church outside of Memphis, TN. Design services for room acoustics and sound reinforcement for the 800-seat main worship space, as well as for a new gymnasium. The project consists of major renovation of the existing building nave.

Winterpark Baptist Church – Family Life Center

Wilmington, NC

Winterpark Baptist Church

Acoustical and audiovisual consulting for the Multi-Purpose Fellowship Hall at the Winterpark Baptist Church in Wilmington, NC. Provided services for acoustical design, sound isolation and mechanical noise control. Our audiovisual services included initial program and design development for the Family Life Center/Fellowship Hall.

First Nazareth Baptist

Columbia, SC

Talmage Architects, Inc.

Acoustical and Audiovisual design services for the First Nazareth Baptist Church in Columbia, SC. Provide recommendations for the room acoustics, mechanical noise control of the audiovisual design for the 2,500 seat sanctuary.

Cathedral of the Immaculate Conception

Memphis, TN

Williamson Pounders Architects, PC

Acoustical and audio recommendations to improve sound of choir and organ as well as improve clarity of the spoken word in a 1,100-seat historical cathedral remodel.

University City United Methodist Church

Charlotte, NC

Scott Garner Architects

Design of a speech/music reinforcement, recording/distribution system augmented with large format visual display for a new 1200-seat sanctuary.

St. John Episcopal Church

Johnson City, TN

Williamson Pounders Architects, PC

Recommendations for acoustical finish materials to control reverberation and echoes while still providing the desired reverberation times for the sanctuary in keeping with the traditions of a 600-seat liturgical church with a pipe organ.

Midway Methodist Church

Mocksville, NC

Fuller Architectural

Acoustical recommendations for room finishes and sound isolation from adjacent spaces such as ceilings and walls for the Fellowship Hall. Its use includes receptions, dinner, speeches and choir/music rehearsals.

St. Andrew's By The Sea Episcopal Church

Nag's Head, NC

Cahoun and Kasten Architects

Acoustical recommendations for interior of the church.

EDUCATION

North Carolina A&T University – Williams Café

Charlotte, NC

Santec Architecture

Audiovisual consulting for the Williams Cafeteria in the North Carolina A&T University in Charlotte, NC. Audiovisual system design included audio and projection systems for faculty and vendor dining. Audio and display (projection and plasma display) for student dining area.

George Washington University – Classroom Remodel

Washington, DC

George Washington University

Audiovisual consulting for George Washington University in Washington, DC. Provided an audiovisual system design upgrade for nineteen classrooms, which are a combination of standard and multimedia rooms on the George Washington University Campus.

Atkins High School

Winston-Salem, NC

Walter Robbs Callahan & Pierce, PA

Acoustical consulting for the theater/performing arts stage at Atkins High School in Winston-Salem, NC. Included recommendations to control the build up of sound and optimize the acoustical design of the theatre/performing art stage.

Hobpton Elementary School

Sampson County, NC

Shuller Ferris Lindstrom & Associates

Acoustical consulting for the multi-purpose room (gym) of the Hobpton Elementary School in Sampson County, NC. Conducted measurements and observed the existing conditions and provided recommendations to reduce the build up of noise in the existing multi-purpose room.

North Carolina University – Brook Hall Classrooms

Raleigh, NC

Gomes + Staub PLLC

Initial audiovisual design services for a classroom in Brooks Hall at NC State University in Raleigh, NC. This is a renovation of a 110 seat single classroom.

Reagan High School

Winston-Salem, NC

OneSource Building Technologies

Acoustical consulting for the theater/performing arts stage at Reagan High School in Winston-Salem, NC. Included recommendations to control the build up of sound and optimize the acoustical design of the theatre/performing art stage.

Mt. Tabor High School

Winston-Salem, NC

OneSource Building Technologies

Acoustical consulting for the theater/performing arts stage at Mt. Tabor High School in Winston-Salem, NC. Included recommendations to control the build up of sound and optimize the acoustical design of the theatre/performing art stage.

Apex Middle School - Auditorium Cherry Huffman Architects	Acoustical consulting for the theater/performing arts stage at Apex Middle School Auditorium in Winston-Salem, NC. Included recommendations to control the build up of sound and optimize the acoustical design of the theatre/performing art stage.	Winston-Salem, NC
Waccamaw School - Instrumental Music Room Shuller Ferris Lindstrom & Associates	Acoustical consulting for Waccamaw School Instrumental Music Room in Fayetteville, NC. Provided acoustical recommendations for the ceiling height and materials specifications as well as any applied treatments for the new construction of a band room.	Fayetteville, NC
Harnett County High School Shuller Ferris Lindstrom & Associates	Acoustical consulting for Harnett County High School in Fayetteville, NC. Provided acoustical design, isolation and mechanical noise control for an auditorium, band/orchestra room and choral music room.	Fayetteville, NC
Surry County Community College - Yadkin Center Architectural Design Association	This new Distance Learning Center required acoustical testing and recommendations as well as audiovisual design and development. The Distance Learning Classroom is used to teach and receive various college level courses, secondary use is a computer training room and as a studio space for developing course materials when the classroom is not in use.	Winston-Salem, NC
Western Carolina University - Coulter Recital Hall	Renovation of the hall required our acoustical recommendations, appropriate for an upgraded sound system, and helping to improve overall sound quality.	Cullowhee, NC
Bertie High School - Auditorium Shuller Ferris Lindstrom & Associates	Acoustical recommendations for the newly renovated Auditorium.	Fayetteville, NC
Cumberland County High School	Provided room acoustics, sound isolation and mechanical noise control for the auditorium.	Fayetteville, NC
Walker Hall University of the Ozarks	Studio acoustics, sound isolation and mechanical noise control.	Clarksville, AK
Father Ryan High School Gresham, Smith and Partners	Provided acoustical recommendations for the school's library.	Nashville, TN
UNC Chapel Hill Visitors' Center - Morehead Planetarium	Provided audiovisual programming and control system re-design and new technology specifications for the video theatre in the existing space of the Morehead Planetarium Building.	Chapel Hill, NC

Central Texas College - Large Format Theatre and

Killeen, TX

Freese And Nichols

Acoustical review and design of the theatre/planetarium including mechanical noise control, and development of sound isolation details.

UNC Wilmington - Watson School of Education

Wilmington, NC

Jenkins Peer Architects

Audiovisual, acoustical and lighting system design for classrooms, lecture hall, computer labs, and distance learning rooms.

ICIA - Academy

Fairfax, VA

International Communications Industries Association

A/V design and engineering for a state-of-the-art teaching facility created solely for the purpose of training those within the A/V design industry. The Academy contains a presentation room, projector laboratory, computer laboratory, and technical application area. Video capabilities include: dual rear projection; video conferencing; distance learning; motorized front projection screens; a document camera; and VHS, Laserdisc, DVD and DSS sources. The 5-channel surround audio system has distributed overhead speakers, audio conferencing, speech reinforcement, CD and cassette sources. The entire system has inputs for 6 computers and is remote controlled by either a touch panel or a wireless 'executive' control.

THEATRES / ENTERTAINMENT

Paramount's Carowinds iWERKS Theatre

Charlotte, NC

iWERKS Entertainment

Sound system design for a 5/70 Turbo Ride theatre.

Coca-Cola Olympic City

Atlanta, GA

Design and Productions

Acoustical consulting and sound system design for the interactive sports tent containing various exhibits and games featuring Olympic athletes. Also, optimized the loudspeaker design and placement so the sound system would localize athletes' voices at game sites while using event noises to simulate the ambiance of a stadium crowd.

Southpoint IMAX Theatre

Durham, NC

TA Architects, Inc.

TA provided acoustical recommendations for this new IMAX theatre located within a 17-screen multiplex in a shopping mall

**Butterfly Kingdom IMAX
Island, SC**

Hilton Head

Fraley/Stricker Architects

TA provided acoustical recommendations for a new IMAX theatre at the Butterfly Kingdom, an education institution with museum and theatre, created to conserve butterflies, insects, and other invertebrates and their ecosystems.

MISCELLANEOUS

Bank of America

Ft. Lauderdale, FL

Tilden Lobnitz Cooper

Acoustical consulting for Bank of America in Ft. Lauderdale, FL. Provided acoustical recommendations for the renovation of three floors of an office building. Services included speech privacy design, room acoustics, sound isolation and mechanical noise control around the building core.

Forsyth County Government Center – Council Chambers

Winston-Salem, NC

Ersoy & Associates, P. A.

Peer review for Forsyth County Government Center in Winton-Salem, NC. Service included: design review, bid assistances review, submittal review, final testing and commissioning of the Forsyth County Government Center including new council chambers. The project renovated a large tobacco warehouse.

Belle Chasse Armed Forces Reserve Center

Belle Chasse, LA

Spartan Building Corporation

Acoustical consulting for the Caterpillar Plant in Clayton, NC. Conducted a site visit to view the current condition at typical plant assembly line. Recommended+D14 methods to control noise within the test enclosure and the adjacent assembly stations.

Caterpillar Plant in Clayton

Clayton, NC

O'Brien/Atkins Associates

Acoustical consulting for the Caterpillar Plant in Clayton, NC. Conducted a site visit to view the current condition at typical plant assembly line. Recommended+D14 methods to control noise within the test enclosure and the adjacent assembly stations.

Highland Village

Cary, NC

DHIC, Inc.

Acoustical consulting for Highland Village in Cary, NC. Reviewed acoustical data and provided complete HUD acoustical study for the new multi-family development bounded by rail, busy surface streets and RDU Airport flight path noise.

Amphora Laboratory Facility

Durham, NC

Amphora Discovery Corporation

Acoustical consulting for the Amphora Laboratory Facility in Durham, NC. Conducted a site visit to document existing conditions in preparation for further evaluation of noise levels associated with the worker's quality of work.

Cabarrus County Expo Park

Concord, NC

Overcash Demmitt Architects

Acoustical consulting for Cabarrus County Exposition Park in Concord, NC. Provided acoustical design and mechanical noise control for the "Large Exhibit Space" and "Exhibit Building" within the Cabarrus County Exposition Park. Provided recommendations for the selection and location of room finishes to promote natural acoustics, enhance speech intelligibility, control excess reverberation, and reduce unwanted echoes.

RDU Airport Operation Center

Raleigh-Durham, NC

O'Brien/Atkins Associates

Acoustical consulting for the Raleigh-Durham Airport Operation Center in Raleigh-Durham, NC. Provided acoustical services for a four story 35,000 square foot facility. Conducted site measurements to determine the acoustical environment and made recommendations for the exterior building shell in order to control noise levels to meet industry standards for airport/industrial office spaces.

Palm Beach County EOC

Palm Beach, FL

Architects Design Group, Inc

Provided recommendations to improve the acoustical environment within the main emergency operations meeting room. Also suggested designs for decreasing the transfer of noise from mechanical rooms into the lobby area.

Private Residence

Naples, FL

BCB Homes

Acoustical finish recommendations for a marble and glass Grand Room used as a home theatre.

