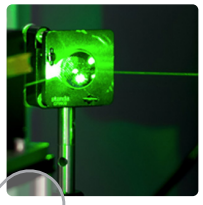
ABD Engineering & Design

Architectural Acoustics ▪ AV Design ▪ Noise & Vibration

Recreation & Hospitality

Statement of Qualifications

Acoustical Consulting & Audiovisual Design



ABD Engineering & Design

ABD Engineering & Design is an independent acoustical engineering and audiovisual design firm, proud to be a nationally and state (OR, WA) certified Women Owned business. We work with you to provide practical solutions with options that allow for informed decisions. Our timely communications and responsiveness give you the right information at the right time. The cornerstones of ABD's work include data collection on site, research, and calculations to deliver evidence-based designs. With decades of experience across multiple markets, and a team of consultants from varied backgrounds, you can count on ABD to bring you the best in audiovisual design and acoustical consulting.

Certifications

WBENC: WBE1701950
OR-COBID-WBE: 11342
WA-OMWBE: W2F0027557

Professional Memberships

Acoustical Society of America
Institute of Noise Control Engineering
American Society of Testing and Materials
National Council of Acoustical Consultants
AVIXA (CTS-D)

Staff Count

Acoustics = 8
Audiovisual = 3
Leadership/Admin = 2

Contacts

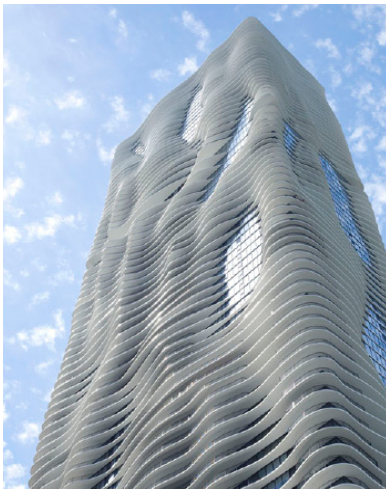
Principal Engineer: Melinda Miller, PE mmiller@abdengineering.com
Contracts/Billing: Marci Boks, COO mboks@abdengineering.com
New Projects: Brian Atkinson, client@abdengineering.com

Incorporated: S-Corp incorporated 10/30/2001 in the State of Michigan
EIN: 38-3631490
DUNS: 104088682
NAICS Code: 541330

Recreation and Hospitality

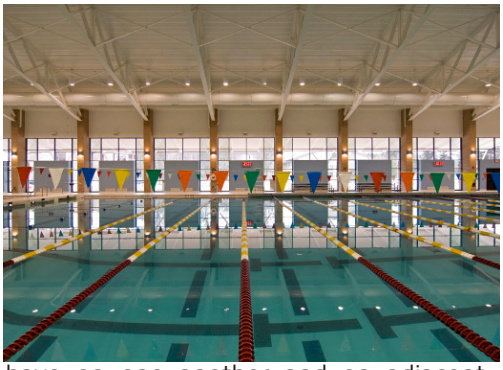
Acoustical Engineering and Audiovisual Design

At ABD Engineering & Design, we help design energetic, vibrant, lively spaces that comfortably co-exist with relaxed, peaceful, quiet environments. We test, analyze, and consult to ensure that developments mix unobtrusively with neighborhoods and the community and comply with local and regional environmental noise standards. We understand the unique challenges that noise and vibration from multi-tenant and multi-use projects pose, and we provide acoustical solutions for new construction, adaptive-reuse, remodeling, and retrofit projects – inside and out.



Acoustics for Mixed-Use Environments

Architects, engineers, and developers consult us, often early in the design, for expert acoustical analysis and solutions. Using measured noise and vibration data, engineering calculations, 3D models, and drawing on our professional experience, our acoustical engineers assess and predict potential noise problems in mixed-use developments. We analyze sound transmission, reverberation, absorption, reflection, vibration, isolation, and other acoustical challenges. Our assessment considers the potential noise impact that entertainment, retail, hospitality, and public spaces will



have on one another and on adjacent residential spaces and commercial offices. We consult on planning to avoid acoustically incompatible adjacencies, on the design of building partitions to isolate and negate distracting noise from interior and exterior sources, and on room finishes to absorb noise near the source and complement architectural aesthetics.

Audiovisual Systems Design

Our AV consultants and designers are experts at designing audio-visual, and technical solutions – customized for each type of setting – from nightclub, theater, and entertainment venues to in-store retail, commercial, and public gathering and meeting spaces. We understand the performance capabilities of multi-media, entertainment, and critical listening technology and its relationship and integration in mixed-use environments.

BIM Design

Building Information Modeling (BIM) is an intelligent 3D modeling and database-based process that gives architecture, engineering, and construction (AEC) professionals the insight and tools to more efficiently plan, design, construct, and manage buildings and infrastructure. ABD's design professionals use BIM as a collaborative design process, not just a documentation tool, making use of Cloud-based resources for smoother real-time collaboration with our partners. Our team performs QA/QC within the model for accuracy beyond what appears on a drawing or sheet. We're using Revit families for better visualization. This helps our clients gain insight into system performance, loudspeaker coverage, projection system geometry, and sight lines. ABD's BIM process also provides more accurate coordination with other disciplines including MEPS, lighting, furniture, and specialty equipment.

Exterior Noise and Vibration

ABD Engineering & Design conducts site evaluations and testing to assess the impact surrounding land uses will have on proposed developments. Likewise, we can study and assess the potential impact building mechanical systems, tenant venues, project associated traffic, and other project noise sources will have on the surrounding community. We develop solutions that meet the requirements of mandatory environmental impact studies and ensure comfort, inside and out.

Objective Recommendations

As an independent acoustical and AV consulting firm, we have no affiliations with or affinity for any particular brands, products, technologies, or suppliers. We bring objectivity and unbiased recommendations that are best suited to your facility – procured through a competitive bid process to ensure superior designs at or below budget.

Experience

The ABD Engineering & Design team has extensive acoustical design and engineering experience. In addition, staff members have held teaching and research positions at various colleges and universities and regularly conduct educational seminars, conferences, workshops, and institutional training sessions on acoustics, and environmental noise and vibration control.

Green Design

ABD Engineering & Design is a leader in the acoustical and AV design community for creating sustainable facilities. Our own Green Initiatives put theory into practice to reduce our own corporate carbon footprint.

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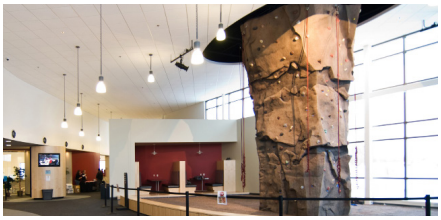
Recreation and Hospitality

Selected Experience



Aqua Tower
Chicago, IL

Beacon Hill at Eastgate Senior Living
Grand Rapids, MI

Bowling Alley Residential Mixed-Use
Cleveland, OH

Calvin University, Spoelhof Fieldhouse Complex Grand Rapids, MI

City Flats Hotel
Ada, MI

F45 Training
Vancouver, WA

Fierce Fitness
Durham, OR

Ford Field Condos
Detroit, MI

Forest City Key Tower
Cleveland, OH

Fountainhouse Mixed Use
Sparks, NV

Grand Valley State University
Campus Housing - Allendale, MI

Gravity/Gravity II Mixed Use Tower
Columbus, OH

Greektown Casino Event Center
Detroit, MI

Holland Aquatic Center
Holland, MI

Holland Home Residential Healthcare
Grand Rapids, MI

Hoxton Portland Hotel
Portland, OR

Indigo Hotel and Kirkland Tower
Vancouver, WA

Jefferson Lofts Condominiums
Joseph, MI

Kent State Hotel
Kent, OH

Lafayette Family YMCA
Lafayette, IN

Lake Oswego Aquatic Center
Lake Oswego, OR

LinkedIn Detroit
Detroit, MI

Little Caesar's Arena Mixed-Use Apartments
Detroit, MI

Lloyd Center West Anchor Fitness
Portland, OR

Mark Spencer Hotel
Portland, OR

Marriott AC Hotel Portland Downtown
Portland, OR

MGM Grand
Detroit, MI

Milwaukie Mixed-Use
Milwaukie, OR

Motherhouse Retreat Center
Bedford, OH

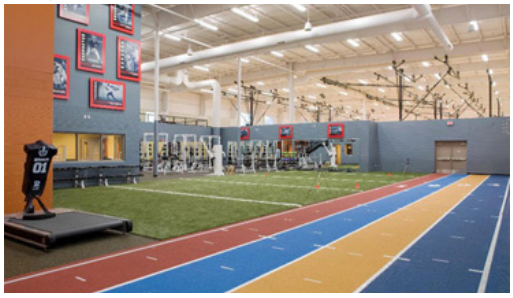
Multnomah Station
Portland, OR

Multnomah Village Apartments
Portland, OR

NFL Hall of Fame
Canton, OH

Ninebark Washougal Waterfront
Washougal, WA

Northend Community Center
Lafayette, IN



Northeast Ohio Hispanic Center for Economic Development, CentroVilla 25
Cleveland, OH

NW 17th Mixed-Use Apartments
Portland, OR

Oak Crest Manors
Holland, MI

Peralta Hacienda Historical Park
Oakland, CA

Power Punch Title Boxing
Portland, OR

Premier Martial Arts
Bothell, WA

Pure Barre Beaverton
Beaverton, OR

Pure Barre Shoreline
Shoreline, WA

Residential Fitness Center
Grosse Pointe Park, MI

Rise Fit Fitness Center
Beaverton, OR

Salvation Army, Ray & Joan Kroc Corps Community Center
Grand Rapids, MI

Sheraton Portland Airport Hotel
Portland, OR

Soaring Eagle Hotel
Mt Pleasant, MI

South Eugene YMCA
Eugene, OR

Spenga Northgate Plaza Fitness
Westerville, OH

SW 3rd and Ash Apartments
Portland, OR

The Morton Apartments and Condominiums
Grand Rapids, MI

Titletown
Green Bay, WI

The Round Fitness Center
Beaverton, OR

United Methodist Retirement Communities Wellness Center and Pool
Chelsea, MI

University of Michigan
ROTC Fitness Center
Ann Arbor, MI

University of Notre Dame
Corby Hall
Notre Dame, IN

US Steel Building Fitness Center
Pittsburgh, PA

View Point Inn and Wellness Center
Corbett, OR

Waters Building Offices and Hotel
Grand Rapids, MI

Wedgwood Residential Care
Living Room and Activities Gym
Grand Rapids, MI

Westgate Beaverton Creekside
Beaverton, OR

West Lafayette Jr/Sr High School Aquatics Center
West Lafayette, MI

Willamette View
Milwaukie, OR

Wolverine World Wide YMCA
Belmont, MI

Yates Pointe Mixed-Use Development
Bend, OR

YMCA of Greater Grand Rapids
Grand Rapids, MI

Yreva Bend House
Battle Creek, MI

This listing represents portions of the collective career experience of the ABD Engineering & Design Staff.

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Fitness Projects

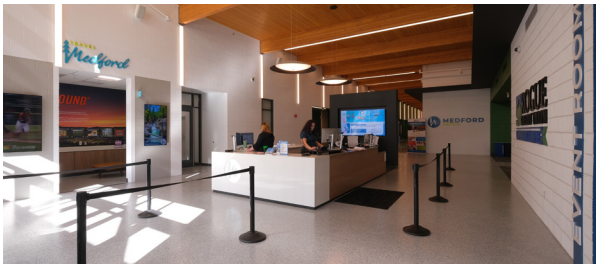
Project Name Location	RogueX Credit Union Community Complex Medford, Oregon
Size	140,000 SF
Budget	$76 million
Year Completed	2024

Description

ABD Engineering & Design worked with Perkins & Will to provide complete acoustical engineering and audiovisual design for this City of Medford owned, maintained, and managed recreation facility.

The RogueX 75,000 SF multi-purpose event center and 38,000 aquatics facility under one roof features an indoor recreation pool with two water slides, a 13-lane indoor competition pool, classrooms, an outdoor seasonal splash pad, gymnasium, and a food truck pod. The versatile events spaces can accommodate eight basketball courts, 16 volleyball courts, or 364 trade show stalls.

ABD's services included AV planning, budgeting, infrastructure and systems designed for ease of use throughout. Our acoustics scope focused on the room acoustics in the spaces to control echo and overall sound levels, noise isolation between critical adjacent spaces, and mechanical noise and vibration control for HVAC, plumbing, electrical, and other building system noise.



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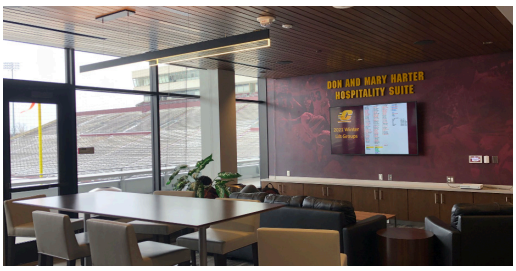
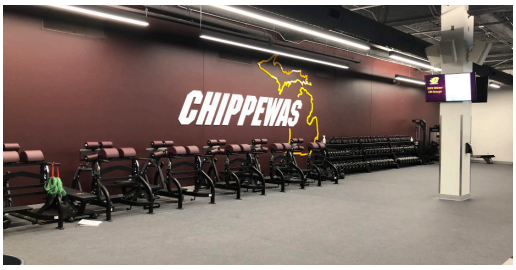
University Projects

Project Name	Chippewa Champions Alumni Center at Kelly Shorts Stadium Central Michigan University
Location	Mt. Pleasant, Michigan
Size and Budget	55,000 SF $32.5 million
Year Completed	2021
Description	ABD Engineering & Design worked closely with GMB Architecture + Engineering, and Central Michigan University staff on the Chippewa Champions Alumni Center at Kelly Shorts Stadium. ABD's complete acoustical consulting services included Room Acoustics, Noise Isolation, and Mechanical Noise Control. Key challenges included the need to block the noise and impact transmission inherent in the weight room which would be adjacent to the high-profile Field Level Club. Conference rooms, divisible meeting rooms, lobby, open offices and private offices, along with a video editing suite all had unique use requirements with differing acoustical criteria and problems to solve. A wide, tiered, 125 seat auditorium rounded out the program. Beautiful wood finishes in the club, and branding throughout adds to this destination for Central Michigan University alumni and fans.





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Condominium Adaptive Reuse

Project Name **Jefferson Lofts**

Location St. Joseph, Michigan

Year Complete 2020

Description Jefferson Lofts Condominiums is a beautiful 22 unit development, just a few blocks from Lake Michigan, built in the St. Joseph landmark, Jefferson School.

The condominium association hired ABD Engineering & Design to help address sound transfer between units. ABD's acoustical consultants performed testing for airborne and impact noise in locations where owners were able to hear their neighbors voices, televisions, and footfall. After analysis of the as-built drawings, ABD provided recommendations for the construction needed to improve the noise isolation and impact insulation.

The Jefferson Lofts implemented ABD's recommendations and invited ABD back to measure the improved performance and compare our findings to other assemblies in the condominiums.

Photos courtesy of Superior Property Management LLC

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Higher Education Projects

Project Name	Hope College Jim and Martie Bultman Student Center
Location	Holland, Michigan
Year Completed	2017
Size and Budget	42,000 SF and $22.5 million
Description	ABD Engineering & Design worked with Stantec (Philadelphia) on the Bultman Student Center, Hope College's first dedicated student-center space since 1980. The facility includes a comfortable lounge, large multi-purpose event space, exciting food and coffee cafe, intimate chapel, and a flexible movie theater/performance room. Other program elements of the building include Student Life, Counseling, and Psychological Services. ABD provided complete acoustical engineering services and designed integrated audiovisual systems, including digital signage, sounds systems, and projection screens throughout the student center. The acoustical challenges included a multi-purpose room stacked above a flexible movie theater space. Our acoustical consultants paid special attention to the noise isolation and impact insulation between the two, to be sure the two conflicting spaces could be used simultaneously. Room acoustics were critical in the open spaces, and mechanical noise control was important throughout.

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Hotel

Project Name	**Marriott AC Hotel Portland Downtown**
Location	Portland, OR
Year Completed	2017
Description	ABD Engineering & Design worked with SERA Design and Architecture and Motenson Construction to provide confirmation noise isolation and impact insulation testing to verify the quiet and comfort of this beautifully designed downtown hotel.

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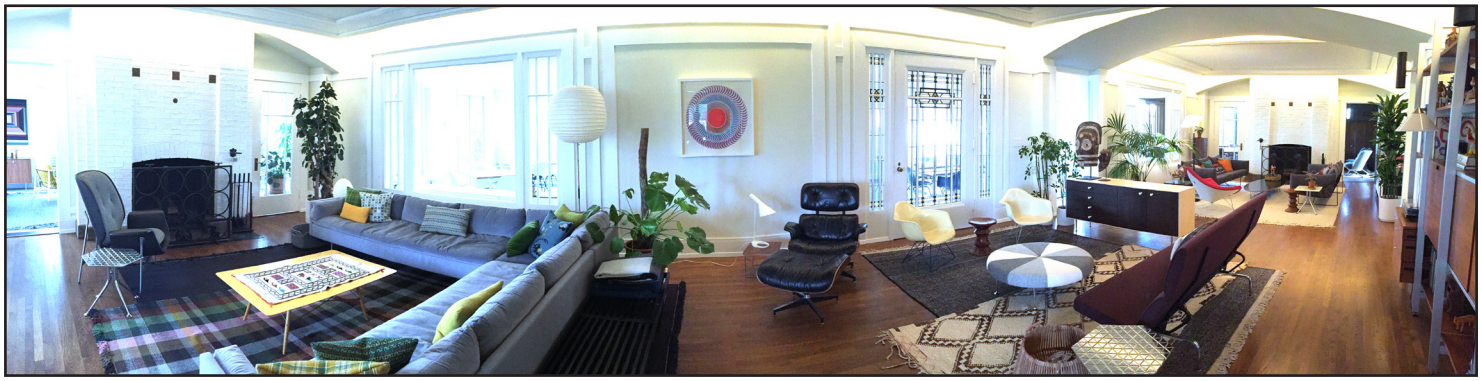
Corporate Retreat Center

Project Name	**Herman Miller Marigold Lodge**
Location	Holland, MI
Year Completed	2017
Description	GMB Architecture + Engineering hired ABD Engineering & Design to provide acoustical consulting for the special needs of this historic Gold family waterfront home - turned corporate residential conference center. Of utmost importance was to have as little impact as possible on the architectural details, while still providing a comfortable acoustic atmosphere.



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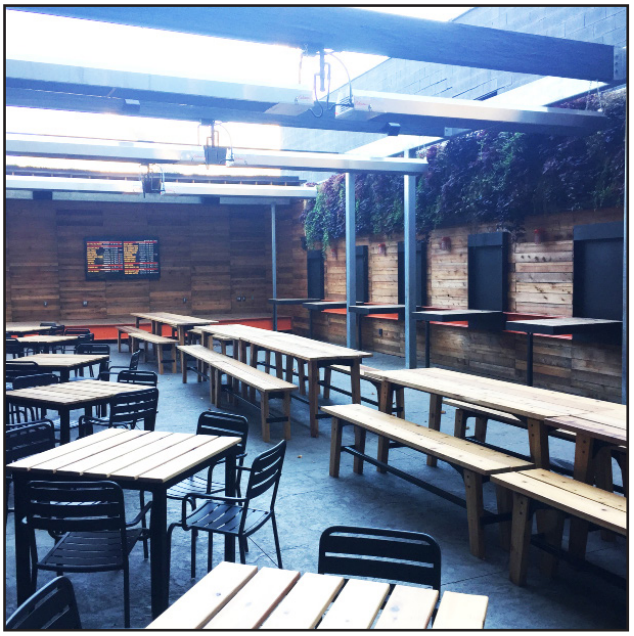
Brew-Pub Restaurants

Project Name **New Holland Brewery - Grand Rapids**

Location Grand Rapids, Michigan

Year Complete 2016

Description Rockford Construction Co., Inc., and Architects, Fishbeck, Thompson, Carr & Huber, Inc., brought ABD Engineering & Design on as Acoustical Consultants for this brew-pub restaurant. The different spaces, including an indoor beer hall, outdoor beer garden, dining, and whiskey bar, each have a different atmosphere with unique acoustical needs.
ABD Engineering & Design consultants modeled the spaces and provided recommendations for designs and acoustical treatments to achieve the "Stop, Taste" goals of New Holland Brewery's first expansion. The site is also home to a mixed use office, retail, and residential development requiring noise isolation and building systems noise control. ABD also provided AV systems programming for the displays and audio systems throughout.



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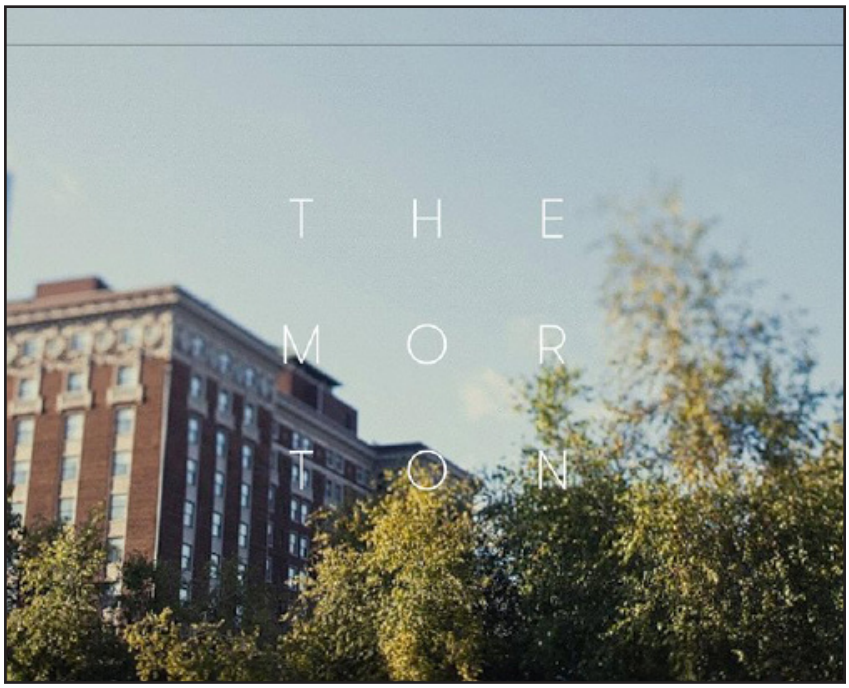
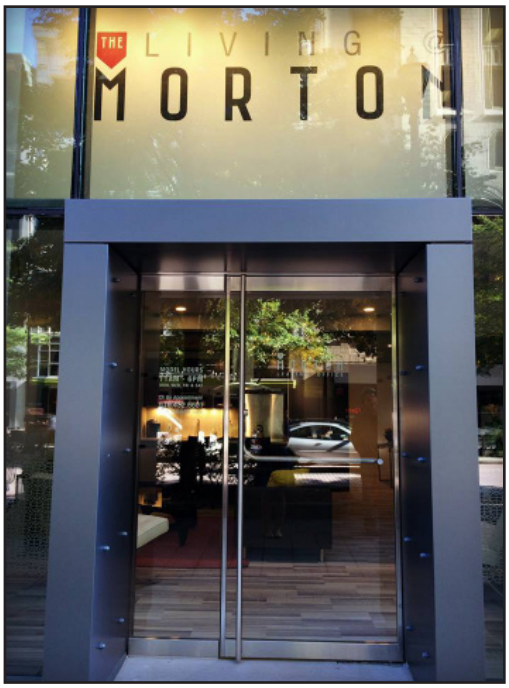
Condominium Mixed Use

Project Name	**The Morton GR**
Location	Grand Rapids, Michigan
Year Completed	2015
Project type	13 Story Mixed Use Renovation
Description	ABD Engineering & Design worked with Rockford Construction to provide noise and impact isolation evaluation of the existing 90+ year-old structure. Our professional engineers performed STC and IIC field tests throughout the existing structure and made recommendations for the new construction including the fitness center. Our recommendations included wall and floor-ceiling construction materials and methods to meet the exacting standards for condominium residents, along with apartments and retail. We followed up with site visits and testing to help meet the targets during and after construction.





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University Projects

Project Name	**Calvin University** **Spoelhof Fieldhouse Complex**
Location	Grand Rapids, Michigan
Size and Cost	362,000 SF, $50 Million

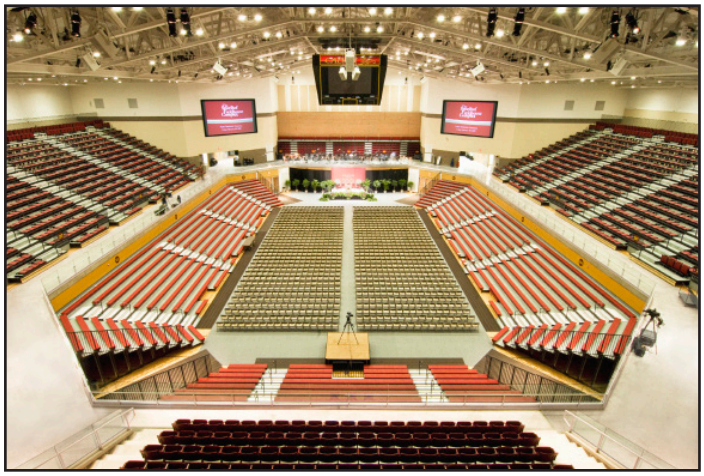
Description

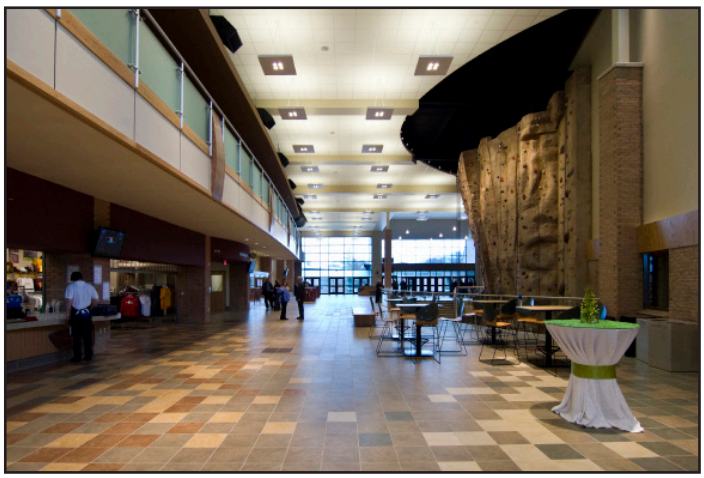
The Spoelhof Fieldhouse Complex is home to Calvin's standard-setting, world-class athletic facilities—including a 4,500 seat arena and state-of-the-art aquatic center—but it is far more than a sporting venue.

This showcase of modern architecture and design is filled with flexible, multi-use spaces that can be adapted for nearly any event. Its soaring ceilings and abundance of natural light create a warm, inviting and elegant atmosphere for small groups and massive crowds alike

ABD Engineering & Design provided comprehensive acoustical consulting, HVAC noise control engineering, and audio-video design services for the entire Fieldhouse (including two large rear projection displays which are integrated into the interior architecture of the arena).

The athletic complex also an Olympic size pool and aquatic center, an indoor tennis and track center, and a full student health and fitness center.





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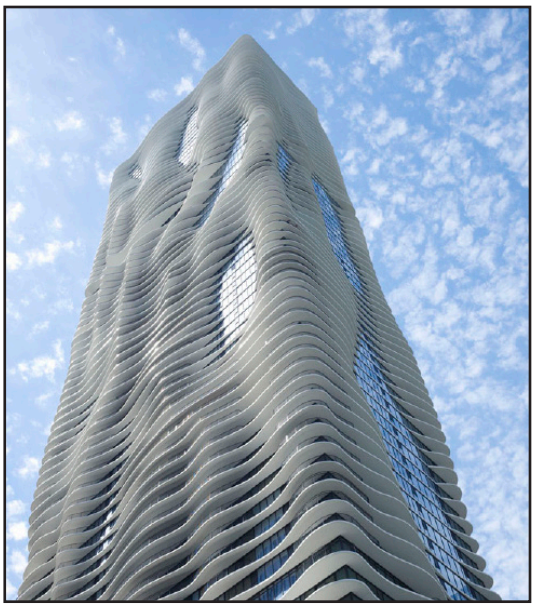
University Projects

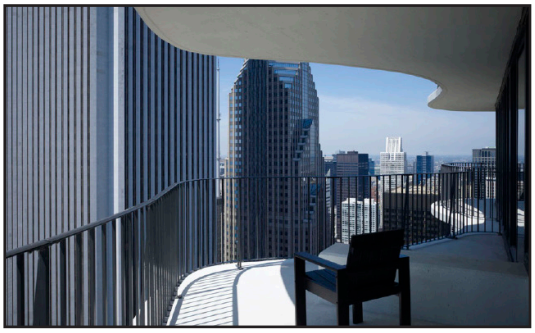
LEED Certified by the U.S. Green Building Council

Project Name	**Davenport University Student Center & Field House**
Location	Caledonia, Michigan
Year Completed	2008
Project Size	87,000 SF, $16 Million
Description	ABD Engineering & Design provided comprehensive acoustical consulting for the LEED Certified Davenport University Student Center & Field House. Our professional engineers used 3D computer models to predict the acoustical response of the spaces and to design room acoustics, HVAC noise control, and noise isolation for all the critical spaces in the building including the Field House, Aux Gym, Fitness Center, Commons Area, and Meeting Rooms.

Condominium Mixed-Use

Project Name	**Aqua Tower**
Location	Chicago, Illinois
Year Completed	2009
Size and Cost	82 Stories, 1.9 Million SF
Description	ABD Engineering & Design was brought in by Loewenberg Architects to offer acoustical consulting and noise isolation for Aqua, a new 82-story sky scraper in the heart of Chicago, Illinois. This mixed-use development houses residential condominiums, apartments, and parking space as well as a hotel, fitness center, and movie theatre. Sound isolation between units was a crucial factor for long term success. Our professional engineers used 3D computer modeling software to thoroughly analyze and predict the acoustical attributes of the spaces. Before ground breaking, we made recommendations for construction features that would provide an appropriate amount of noise isolation between spaces. Our final report offered straight forward solutions for the complex acoustical challenges, and enabled Aqua to offer all the amenities of a classy, mixed-use development.



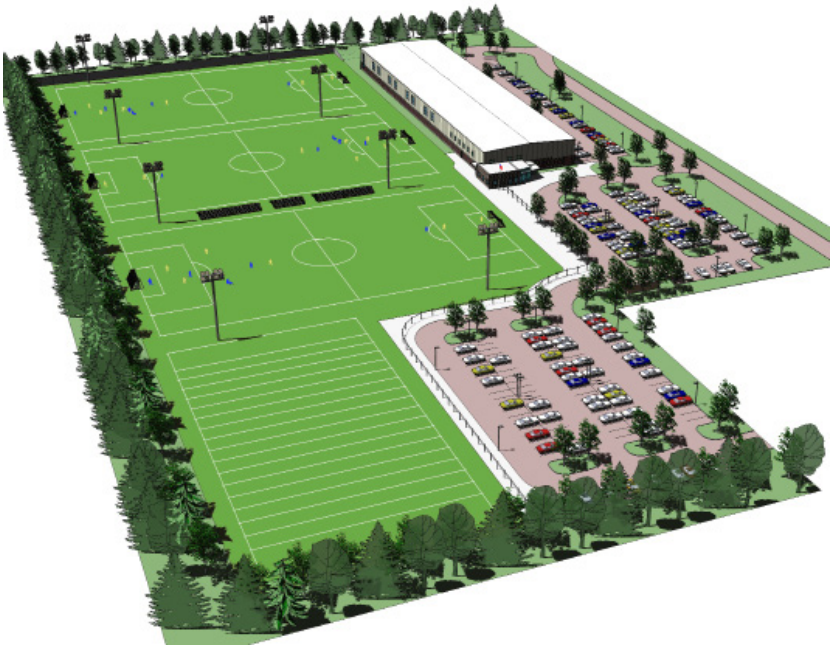


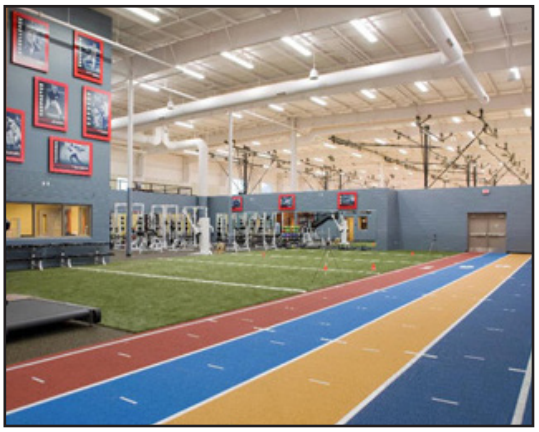
Hotel

Project Name	**Country Inn & Suites By Carlson®**
Location	Grand Rapids, Michigan
Year Completed	2008
Description	The Country Inn and Suites hotel is located close to the medical campus, convention center, tourism, and downtown Grand Rapids, serves travelers for a variety of travel needs. ABD Engineering & Design provided consulting to address the comfort of the guest rooms, and indoor pool. Services included Noise Isolation, Mechanical Noise Control, and Room Acoustics.

University Projects

Project Name	**MVP Fieldhouse**
Location	Grand Rapids, Michigan
Year Completed	2007
Size	50,000 SF Indoor, 350,000 SF Outdoor
Description	This state-of-the-art sports facility features five regulation courts for basketball and volleyball. The outside area is one continuous artificial turf surface lined to include three regulation soccer fields, three regulation lacrosse fields, two regulation football fields and a practice field for additional training. ABD Engineering & Design was brought in by AMDG Architects to design architectural acoustics for the fieldhouse and audio systems for the outdoor sports fields.





Residential Mixed-Use

Project Name	**Family Recreation Building**
Location	Ada, Michigan
Year Completed	2007
Description	The Family Recreation Building is a multipurpose, residential building featuring a large gymnasium, movie lounge, bowling alley, kitchen, pool and hot tub all tied together into one dynamic entertainment venue. ABD Engineering & Design worked with A.M.D.G. Architects, Inc., to perform architectural acoustics and building systems noise control throughout the facility. Our professional engineers used a computer program called EASE to model the facility in 3D and predict its reverberation time in each of the spaces. They used this data and detailed calculations to determine proper room finishes and to attenuate the heating and air-conditioning systems noise. Their efforts, in conjunction with the rest of the design team, resulted in a great-sounding facility, free from excess reverberation and mechanical noise.

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Melinda Miller, PE

Principal Engineer
LEED AP BD+C, EDAC, INCE Bd. Cert. mmiller@abdengineering.com

Melinda Miller brings her passion for all things sound and 20 years of experience to her role as Principal Engineer of ABD Engineering & Design. Her expertise includes diagnosing and preventing noise problems, designing acoustically optimized environments, and using evidence-based design practices. Melinda has consulted on projects involving architectural acoustics, noise isolation, mechanical noise control, and occupational noise exposure. Her experience includes higher education, K-12 schools, performance and worship spaces, healthcare facilities, industrial facilities, hotel and multi-family residential buildings.

A Professional Acoustical Engineer, licensed by the State of Oregon, Melinda earned her Bachelor's Degree in Mechanical Engineering from the University of Idaho, and Master's from the University of Illinois, Chicago. She has continued her education and training, earning her INCE Board Certification (INCE Bd. Cert.), Evidence-Based Design Accreditation and Certification (EDAC), and LEED AP BD+ C. As an Assistant Professor of Acoustics for Columbia College, she taught undergraduate junior and senior level classes in HVAC design, vibrations, acoustical testing, building noise control, and musical acoustics.

Melinda has chaired sessions on various topics at Noise-con and Inter-noise since 2013, and has served INCE as the Co-Chair of Building Acoustics Technical Activities committee, on the Certification Board since 2018, and the Board of Directors (2021-2024). Likewise, she has presented technical papers and education sessions for the Acoustical Society of America, the American Institute of Architects, and the Chicago Chapter of the Audio Engineering Society.

Professional Experience

- 2011-Present – Principal Engineer, ABD Engineering & Design, Inc., Portland, Oregon
- 2006-2009 – Acoustical Consultant, Listen Acoustics, Inc., Portland, Oregon
- 2003-2005 – Assistant Professor, Audio Arts and Acoustics Department, Columbia College Chicago, Chicago, IL
- 2001-2003 – Graduate Assistant, Acoustics and Vibrations Laboratory, Department of Mechanical & Industrial Engineering, University of Illinois Chicago, Chicago, Illinois

Professional Licenses and Memberships

- Acoustical Society of America
- Evidence-Based Design Accreditation and Certification (EDAC)
- Institute of Noise Control Engineering (INCE), Board-Certified Member
- Institute of Noise Control Engineering (INCE), Certification Board, and Board of Directors
- National Council of Acoustical Consultants
- State of Oregon, Professional Engineer, #88158PE
- U.S. Green Building Council LEED AP BD+C

Education

- Master of Science in Mechanical Engineering, University of Illinois at Chicago, Chicago, Illinois, 2003
- Bachelor of Science in Mechanical Engineering, University of Idaho, Moscow, Idaho, 1998.

Project Experience

- Indigo Hotel - Kirkland Tower, Portland, OR
- Cosmopolitan Condos, Portland, OR
- 1122 SE Hawthorne, Residential Mixed Use, Portland, OR
- German Village, Residential Mixed Use, Columbus, OH
- Flrekeepers Casino Hotel, Battle Creek, MI
- Bell Tower Hotel, Ann Arbor, MI
- 523 E 3rd St, The Dalles, OR
- Timberview Apartments, Villages at Beavercreek, Oregon City, OR
- 2036 NW Canal Blvd, Redmond, OR
- Upshur Multifamily, Portland, OR
- Lamont at Eason, Bend, OR
- The Highlands at Soldier Hollow, Midway, UT
- Elmonica Apartments, Portland, OR
- Argyle Apartments, Portland, OR
- ERD Parcels 3, 7, 9, Eugene, OR
- K2 Apartments, Battle Creek, MI
- Hawthorne Apartments, Cleveland, OH
- Ninebark, Washougal, WA
- Washington Street Apartments, Vancouver, WA

ABD Engineering & Design
Architectural Acoustics • AV Design • Noise & Vibration

Erik J Geiger, CTS-D

Director of Audiovisual
egeiger@abdengineering.com

Erik J Geiger has designed and consulted on audio, video, and technical systems for over 20 years. He has served as an Audiovisual discipline leader and project manager, and carries a wealth of technical system consulting and design experience. Erik brings the heart of a teacher to every project, helping clients and end-users to understand a rapidly changing environment — having held a position at Columbia College, Chicago for many years.

Erik specializes in planning, budgeting and needs analysis studies for audiovisual and media technology-based systems, with a focus on facilities and infrastructure planning to provide life cycle value and long-term cost savings through accommodating future technologies, some of which may only be emergent.

Erik has designed large scale facility-wide audio, video and media distribution systems, leveraging IT network topologies and convergence, as well as high performance sound-reinforcement and large-scale video display systems, recording and media post-production facilities. He has designed interactive and collaborative communications environments, that both augment and move beyond the traditional audio and video conferencing space. He has worked on projects in healthcare, university, K-12 education, and corporate environments, along with auditoriums, convention centers and hospitality venues around the world.

When Erik isn't designing technical systems, he enjoys playing the piano, backpacking, cycling, and photography.

Professional Experience

- 2016-Present – Director of Audiovisual, ABD Engineering & Design, Inc., Portland, Oregon
- 2011-2016 – Senior Associate, Shen, Milsom & Wilke, LLC - Chicago, Illinois
- 2007-2014 – Adjunct Professor, Audio Arts & Acoustics, Columbia College - Chicago, Illinois
- 2009-2011 – Owner, Geiger Design Consultants - Chicago, Illinois
- 2004-2009 – Associate, Shen, Milsom & Wilke, LLC - Chicago, Illinois
- 1998-2004 – Arnold & O'Sheridan, Inc. - Madison, Wisconsin
- 1995-1998 – Hammel Green & Abrahamson, Inc. - Minneapolis, Minnesota

Professional Certifications and Memberships

- AVIXA (InfoComm International), Certified Technical Specialist
- CTS-D
- AVIXA (Infocomm) Infrastructure Standards working group

Education

- Mass Communications, University Of Wisconsin – Madison, Wisconsin
- Audio Recording and Production, Musicians Technical Training Institute – Minneapolis, Minnesota.

Project Experience

- Portland Community College, Cascade Campus, Public Service Education Building, Portland, OR
- Oregon State University, Fairbanks Hall, Corvallis, OR
- North Eugene High School, Eugene, OR
- City of Ukiah, Council Chambers, Ukiah, CA
- Kaiser Permanente, North Lancaster Medical Office Building, Salem, OR
- Moreland Presbyterian Church, Sanctuary, Portland, OR
- Port of Vancouver, Commission Room, Vancouver, WA
- Clackamas Community College, Barlow Hall, Automotive,Oregon City, OR
- The University of Providence Great Falls, University Center, Great Falls, MT
- Central Michigan University, Center for Integrated Health Studies, Mount Pleasant, MI
- University of Montana, Early Childhood Education Center, Missoula, MT
- Muskegon Community College, Arts and Humanities, Theater Music and Art, Muskegon, MI
- South Christian High School, Grand Rapids, MI
- University of Oregon, Autzen Stadium, Eugene, OR

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Peter Allen, PE

Senior Engineer
INCE Bd. Cert. pallen@abdengineering.com

Peter Allen is a senior acoustical engineer with a Master of Engineering degree in Acoustics and over 20 years of experience in the field of acoustics. Peter has been with ABD Engineering & Design since 2016 and provides consulting services on a wide-range of projects types, including education facilities, healthcare facilities, worship spaces, hotels, and multi-family housing, while also specializing in vibration testing and analysis.

Peter uses an evidence-based, data-driven approach to provide acoustical recommendations to clients. Whenever possible, his recommendations include multiple options to help clients meet their aesthetic and budgetary constraints. He has presented his work at various industry symposia as well as at the annual conference for the Institute of Noise Control Engineering.

Prior to joining ABD, Peter worked as an acoustical consultant at Daly-Standlee & Associates for eight years, where he learned to apply his skills from a research environment to the field of acoustical consulting. He began his career at Southwest Research Institute (SwRI), where he worked for ten years. There, he managed technical projects in vibration analysis, noise control, and environmental testing for clients in the electric utility, telecommunications, aerospace, automotive, and building industries. He taught technical courses within the organization to further develop the skills of others in the organization.

In 2005, Peter obtained his Master's Degree of Engineering in Acoustics from Pennsylvania State University, and he has used his additional education to focus his efforts on the use of field testing and analysis to solve noise and vibration problems. In his personal time, Peter enjoys climbing, yoga, riding his motorcycle, and SCUBA diving.

Professional Experience

- 2016-Present – Senior Acoustical Engineer, ABD Engineering & Design, Inc., Portland, Oregon
- 2008-2016 – Senior Acoustical Engineer, Daly-Standlee & Associates, Portland, Oregon
- 1998-2008 – Senior Research Engineer, Southwest Research Institute, San Antonio, Texas

Professional Licenses and Memberships

- Acoustical Society of America
- Institute of Noise Control Engineering (INCE), Board-Certified Member
- National Council of Acoustical Consultants
- State of Oregon, Professional Engineer #84392PE

Education

- Master of Engineering in Acoustics, Pennsylvania State University, State College, Pennsylvania, 2005
- Bachelor of Science in Engineering, Electrical Emphasis, Texas Christian University, Fort Worth, Texas, 1998.

Project Experience

- Beaverton Health & Science School, Beaverton, OR
- Jesuit High School, Portland, OR
- Kaiser Permanente:
  -Hybrid Operating Room, Clackamas, OR
  -Salmon Creek MRI, Vancouver, WA
  -North Lancaster MOB, Salem, OR
  -Clackamas Eye Care MRI, Happy Valley, OR
- Lakeridge High School, Lake Oswego, OR
- Ron Russell Middle School, Portland, OR
- Tukes Valley K-8 School, Battlegreound, WA
- West End Surgical, Beaverton, OR
- Yates Pointe Mixed Use Development, Bend, OR
- Zoom+, Bridgeport Village Clinic, Portland, OR
- USANA Sciences Company,Packaging Area, Valley City, UT
- TriMet, Columbia 10, Portland, OR
- St John Fisher School, Gym Noise Isolation, Portland, OR
- Bendix, Relocation Noise and Vibration, Avon, OH

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Jeremy Bielecki

Senior Acoustical Consultant
jbielecki@abdengineering.com

Jeremy Bielecki is a Senior Acoustical Consultant with over 20 years of experience as a consultant, and as a project manager for over 300 building projects. Jeremy has worked in acoustics in the Midwest and Pacific Northwest on projects including healthcare, higher education, workplace, performance spaces, K-12 education, athletics, and multi-family residential.

Jeremy possesses a strong work ethic and creative problem solving skills that have served him and his clients well. Knowing he always wanted to be in engineering and involved with music, Jeremy found acoustics to be the marriage of the two. He gains tremendous satisfaction from being part of a project that starts with lines on a screen and words on a page, eventually becoming a physical space you live within, and get enjoyment from.

Over his career, Jeremy has developed expertise in performing field measurements, creating complex computer prediction models, and analyzing data and drawings to identify primary causes and contributors to noise and vibration problems. He also determines sound isolation ratings, HVAC system noise ratings, and room acoustic performance using reverberation time, acoustical clarity, and speech intelligibility metrics.

In his spare time, Jeremy is a skilled piano tuner and repair technician, musician, and coaches soccer and robotics. He also enjoys 3D printing, and cooking with his family.

Professional Experience

- 2022-Present – Senior Acoustical Consultant, ABD Engineering & Design, Inc., Grand Rapids, Michigan
- 2005-2022 – Acoustical Consultant, Kolano and Saha Engineers, Inc., Waterford, Michigan
- 2001-2004 – Acoustical Engineer, Michael R. Yantis Associates, Inc., Seattle, Washington

Professional Memberships

- Acoustical Society of America
- Institute of Noise Control Engineering (INCE)
- American Society of Testing and Materials
- National Council of Acoustical Consultants

Education

- Bachelor of Science in Mechanical Engineering, University of Michigan, Ann Arbor, 2000.

Project Experience

- Munson Medical Center
  Traverse City, MI
- *St. John Hospital, Detroit, MI
- *Detroit Pistons Performance Center, Detroit, MI
- *Greektown Casino Hotel, Detroit, MI
- *University of Michigan, Ann Arbor, MI
  Law School: Hutchins Hall, Jeffries Hall
  Student Union
  Central Campus Recreation Building
  Beyster Building Addition
  Munger Student Residences
- *Central Michigan University, Mount Pleasant, MI
  Grawn Hall
  Ronan Hall
- *Michigan State University, East Lansing, MI
  Broad Art Museum
  STEM Power Plant Renovation
- *Henry Ford Community College, Recording Studio, Dearborn, MI
- *Kendall College of Art and Design, Grand Rapids, MI
- *Davidson Foundation Development, Bloomfield Hills, MI
- Romeo High School, Auditorium, *Romeo, MI
- *Byron Center High School, Byron Center, MI
- *Ann Arbor School of the Performing Arts, Ann Arbor, MI
- *Toyota Technical Center, Quiet Room, Ann Arbor, MI
- *Charles H Wright Museum of African American History, Detroit, MI
- *Emagine Theaters, Royal Oak, MI
- *Residence Inn by Marriott, Grand Rapids, MI
- *Bharatiya Temple, Troy, MI
- *The Mid: Co-Living, Detroit, MI
- *New Beginning Baptist Church, Waterford, MI
- *Cobo Center, Detroit, MI
- *Patrick V. McNamara Fitness Center, Detroit, MI
- *Theodore Levin U.S. Courthouse, Detroit, MI

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*Some project experience is prior to employment at ABD

Scott Storteboom

Senior Audiovisual Consultant
Scott@abdengineering.com

Scott Storteboom is a senior audiovisual consultant with over 20 years experience. He has consulted on a wide range of project types, from educational spaces and auditoriums to workplace and convention centers, enabling him to view projects from many different perspectives.

After graduating from Calvin University, Scott studied film in California and worked in several key video production roles in the industry. Returning to Michigan for an AV role, Scott became the Video Director for the mega-church (8,500 attendees), NorthRidge. Scott co-designed their $1 Million broadcast and I-mag (image-magnification) digital video system. In addition, he led an extensive tech team producing weekly video segments, directing multi-camera live broadcasts, and traveling the throughout the US and Middle East to shoot video specials.

As a funding consultant for Capital for Compassion projects, Scott went deeper into the challenges associated with keeping a project on budget. Additionally, from his years of leading volunteers, Scott developed a passion for educating and helping others succeed. As a consultant, his clients appreciate Scott for his experience, his caring approach, and his clear, concise communication.

In his personal time, Scott enjoys spending time with his family, volunteering, and water-skiing.

Professional Experience

- 2023-Present - Senior Audiovisual Consultant, ABD Engineering & Design, Inc., Grand Rapids, Michigan
- 2013-2023 - VP, AHP Funding, Capital for Compassion, Holland, Michigan
- 2008-2013 - Audiovisual Consultant, ABD Engineering & Design, Inc., Grand Rapids, Michigan
- 2007-2008 - Technical Director, Ridge Point Community Church, Holland, Michigan
- 2006-2007 - Manager, Grooters Productions, Holland, Michigan
- 2002-2006 - Video Director, NorthRidge Church, Plymouth, Michigan
- 1999-2001 - System Design and Installation, Reinforcement Inc., Southfield, Michigan
- 1996-1998 - Production Coordinator, Action Sports, Malibu, California
- 1994-1998 - Script Writer, Los Angeles, California
- 1992-1997 - Sound Mixer, Hollywood Stars, Los Angles, California

Education

- Film Production Studies, Art Center College of Design, Pasadena, California, 1994
- Film Production Studies, Los Angeles Film Studies Center, Burbank, California, 1992
- Bachelor of Arts in Business and Communications, Calvin University, Grand Rapids, Michigan, 1992

Project Experience

- Detroit Public Schools, Detroit, MI
- Acuity Headquarters, Milwaukee, WI
- Belding High School, Belding, MI
- Berman Theatre, West Bloomfield, MI
- Harley-Davidson, Headquarters Conference, Milwaukee, WI
- Calvin University, Covenant Fine Arts Center, Grand Rapids, MI
- Cascade Fellowship Christian Reformed Church, Grand Rapids, MI
- Cobo Convention & Conference Center, Detroit, MI
- Comstock Park, High School Addition, Comstock Park, MI
- Cornerstorne University, Chapel, Grand Rapids, MI
- Delta College, Allied Health Building, Bay City, MI
- Delta Dental Headquarters, Okemos, MI
- Ferris State University, University Center Renovation, Big Rapids, MI
- Grand Rapids Christian High School, Grand Rapids, MI
- Albert Einstein Israelite Hospital (HIAE), San Paulo, Brazil
- Lawrence Tech University Auditorium, Southfield, MI
- Lincoln Consolidated High School, Ypsilanti, MI
- Lake Superior State University, School of Business, Sault St. Marie, MI
- Mosaic Youth Theatre, Detroit, MI
- Wayland Union Schools, PAC, Wayland, MI
- Grand Valley State University, Grand Rapids, MI

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Benjamin Wolf

Senior Acoustical Consultant
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Benjamin Wolf is a Senior Acoustical Consultant with a Master of Science in Architectural Acoustics from Rensselaer Polytechnic Institute. He specializes in analysis and recommendations for the spaces and structures needed to provide acoustically effective and comfortable environments.

Ben joined ABD Engineering & Design, Inc. in 2016 after four years with Daly-Standlee & Associates. He has worked on architectural projects, including field testing of wall and floor/ceiling systems, HVAC noise analysis, the specification and design of acoustic partitions, and acoustical treatments in churches, movie theaters, offices, apartment buildings, hospitals, and schools. His environmental noise studies include mine and quarry sites, light rail, highway and roadway noise, along with power and industrial facilities.

Ben uses 3D acoustic modeling software to provide a detailed analysis and recommendations for room acoustics, sound distribution, and speech intelligibility. As part of his master's thesis, he modeled accurate acoustical representations of several famous music performance venues allowing musicians to hear their performance simulated in those spaces, in real time, as if they were standing on stage.

In his spare time, Ben plays bass trombone with a wide variety of local groups. He enjoys web design and recording live sound.

Professional Experience

- 2016-Present – Senior Acoustical Consultant, ABD Engineering & Design, Inc., Portland, Oregon
- 2012-2016 – Acoustical Consultant, Daly-Standlee & Associates, Portland, Oregon

Professional Memberships

- Acoustical Society of America
- National Council of Acoustical Consultants
- ASTM International, E33 Committee on Building and Environmental Acoustics
- Institute of Noise Control Engineering (INCE), Board-Certified Member

Education

- Master of Science in Architectural Sciences, Emphasis in Architectural Acoustics, Rensselaer Polytechnic Institute, Troy, New York, 2012
- Bachelor of Arts in Physics, Gustavus Adolphus College, St. Peter, Minnesota, 2011
- Bachelor of Arts in Music Performance, Gustavus Adolphus College, St. Peter, Minnesota, 2011.

Project Experience

- South Cooper Mountain Apartments, Beaverton, OR
- Wood Village Mixed Use, Wood Village, OR
- Farmdale Apartments, North Hollywood, CA
- L&M Industrial Fabrication, Lot Expansion Barrier Calculations, Tangent, OR
- USANA Sciences Company, Packaging Area, Valley City, UT
- TriMet, Columbia 10, Portland, OR
- Hermiston Schools (Theater Lane Elementary School, Rocky Heights Elementary School, High School Classroom Annex and CTE), Hermiston, OR
- Dry Creek Landfill, Noise Study, Eagle Point, OR
- Kaiser Permanente, Sunnyside Medical Center, Clackamas, OR
- United Natural Foods, Noise and Vibration Study, Ridgefield, WA
- Threemile Canyon Farms, Generator Exhaust, Boardman, OR
- Northwest Pipe Company, Open Office Acoustics, Vancouver, WA
- Columbia Shores Townhouses, Overlay Noise Study, Vancouver, WA
- Wood Village Mixed Use, HUD Noise Study, Wood Village, OR
- Clackamas Federal Credit Union, Corporate Headquarters, Oak Grove, OR

Quincey Smail

Senior Acoustical Consultant
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Quincey Smail is a Senior Acoustical Consultant, with a Master of Engineering in acoustics from Penn State. Quincey's expertise includes acoustical design, modeling and testing to provide thoughtful recommendations for a variety of project types from residential and mixed use to K-12, higher education to healthcare, workplace, environmental, and industrial facilities. Quincey earned his Board Certification by the Institute of Noise Control Engineering (INCE) in 2022.

His projects include noise studies of manufacturing equipment in the US and Europe, car wash sites with residential adjacencies, and high-profile commercial locations. Quincey's musical background has served him and his projects well in performance spaces including the Interlochen Center for the Arts, as well as other public and private music schools, music stores, event centers, plus the particular needs of worship spaces. Quincey is regularly called upon to assist with hotel acoustical needs during design and construction, along with post-occupancy needs. He has also worked with hospitals, hospice, counseling centers, dental offices, and residential healthcare to address FGI and HIPAA requirements.

In his free time, Quincey – a talented baritone – sings in community and church choirs. He can be found enjoying the Grand Rapids local craft-brewery and cocktail culture, trivia nights, and playing tabletop games.

Professional Experience

- 2016-Present – Senior Acoustical Consultant, ABD Engineering & Design, Inc., Grand Rapids, Michigan
- 2015-2016 – Lead Producer, Penn State University, State College, Pennsylvania
- 2012-2013 – Physics Lab Assistance, Central College Physics Department, Pella, Iowa

Professional Memberships

- Acoustical Society of America
- American Society of Testing and Materials
- National Council of Acoustical Consultants
- Institute of Noise Control Engineering (INCE), Board-Certified Member
- Boy Scouts of America, Eagle Scout

Education

- Master of Engineering in Acoustics, Pennsylvania State University, State College, Pennsylvania, 2016
- Bachelor of Arts in Physics, Minors in Mathematics, Music, and German, Central College, Pella, Iowa, 2013.

Project Experience

- Public Museum, Grand Rapids, MI
- Courtyard Marriott, Detroit, MI
- Essity Operations Gennep, Netherlands
- Tri County Area Schools, Cafetorium, Howard City, MI
- Nestle Production Studio, Solon, OH
- Bendix, Relocation Noise and Vibration, Avon, OH
- Western Michigan University, Dunbar Hall, Kalamazoo, MI
- Western Michigan University, College of Aviation, Battle Creek, MI
- Riverview Church, Auditorium, Holt, MI
- 212 River Residential Mixed-Use, Holland, MI
- Jefferson Lofts Condominium Association, Noise Isolation, St. Joseph, MI
- West Ottawa Public Schools, Performing Arts Center, Holland, MI
- Warner Norcross & Judd, Office Acoustics, Detroit, Grand Rapids, and Kalamazoo, MI
- Tommy Car Wash Systems, Car Wash Noise Study, Hudsonville and Flint, MI
- Forslund Condominium, Impact Isolation, Grand Rapids, MI
- Domino's Pizza, Boardroom and Warehouse Open Office, Ann Arbor, MI
- Interlochen Center For The Arts, Kresge Amphitheater, Interlochen, MI
- Grand Valley State University, Product Design and Robotics Studio, Grand Rapids, MI
- Ford Motor Company, Conference & Event Center, Dearborn, MI
- Opera Grand Rapids, Grand Rapids, MI

Iva Handley

Acoustical Consultant
lhandley@abdengineering.com

Iva Handley is a graduate of Rosenheim University of Applied Sciences in Germany, where she earned her bachelor's degree in engineering, with a focus on interior engineering.

Iva has since worked as an engineer in the building design field, both in Germany, and in the US. She is experienced in acoustical measurements of airborne sound, impact noise, equipment, construction, and traffic noise, as well as building enclosures and field reviews. She also brings a background in carpentry and metal work to her projects.

When Iva isn't out taking acoustical measurements, building acoustical room models, or writing engineering reports, you might find her brewing her own beer.

Professional Experience

- 2019-Present – Acoustical Consultant, ABD Engineering & Design, Inc., Portland, Oregon
- 2018-2019 – Building Science Engineer, EIT, RDH Building Science, Inc., Portland, Oregon
- 2015-2016 – Project Engineer, ig-bauphysik GmbH & Co. KG, Hohenbrunn, Germany

Education

- Bachelors of Engineering: Interior Engineering, FH Rosenheim: University of Applied Sciences (Germany), 2017
- Study Abroad Program, École Supérieure du Bois: Research Wood Science and Technology (France), 2014

Professional Certifications

- EIT Certification for Civil Engineering and Land Surveying in the State of Oregon

Professional Memberships

- Acoustical Society of America
- Institute of Noise Control Engineering (INCE)
- American Society of Testing and Materials
- National Council of Acoustical Consultants

Project Experience

- Zoom+, Bridgeport Village Clinic, Portland, OR
- Hillsboro School District, Mooberry Elementary School, Chiller Noise, Hillsboro, OR
- Godfrey Detroit Hotel, Detroit, MI
- Schirle Elementary School, Salem, OR
- Treasury Resiliency Building, Salem, OR
- Victory Charter School, Performing Arts Center, Nampa, ID
- Hermiston Schools (Theater Lane Elementary School, Rocky Heights Elementary School, High School Classroom Annex and CTE), Hermiston, OR
- Chiller Noise Control, Portland, OR
- Oregon Humane Society, Portland, OR
- Kaiser Permanente, Sunnyside Medical Center, Clackamas, OR
- United Natural Foods, Noise and Vibration Study, Ridgefield, WA
- Sprague High School, Salem, OR
- Northwest Pipe Company, Open Office Acoustics, Vancouver, WA
- Legacy Health, Emanuel Medical Center and Progressive Cardiac Care Unit, Portland, OR
- Casino Road Office Building, Everett, WA
- Oregon State University Cascades, AB2 STEM Building, Bend, OR
- Silco Site Apartments, Portland, OR
- Kaiser Permanente, North Lancaster Medical Office Building, Salem, OR
- University of Portland, Innovation Center, Portland, OR
- Salem-Keizer Public Schools, South Salem High School, Salem, OR
- Scioto Peninsula Apartments, Columbus, OH

John Kramer

Acoustical Consultant
jkramer@abdengineering.com

John Kramer is an acoustical consultant, with a Master of Architectural Engineering from University of Nebraska, Lincoln. John's passion for music and performing arts led to his interest in acoustics and helping to create efficient, comfortable, and healthy acoustical environments. John leverages his experience in acoustics and building systems with an applied background in noise and vibration control in his project work.

John has excelled with both professional and student design teams, including a 1st place finish in the 2020 ASHRAE Student Design Competition (System Selection). He has designed mechanical systems on projects including secure government facilities, corporate headquarters, large scale healthcare, and education. Since joining ABD, John has begun working on projects across the country from wind turbine noise studies to residential acoustics. John is building his experience with acoustically sensitive spaces including: Healthcare, K-12 Schools, Churches, Corporate Offices, and Social Halls, and is quickly developing as a consultant.

In John's spare time he enjoys playing guitar and singing, playing chess, collecting comic books, and is learning his way around West Michigan.

Professional Experience

- 2021-Present – Acoustical Consultant, ABD Engineering & Design, Inc., Grand Rapids, Michigan
- 2019-2021 – Mechanical Engineering Intern, HDR, Omaha, Nebraska

Professional Memberships

- Acoustical Society of America
- Institute of Noise Control Engineering (INCE)
- American Society of Testing and Materials
- National Council of Acoustical Consultants

Education

- Master of Architectural Engineering, University of Nebraska, Lincoln, NE, 2021.
- Bachelor of Science of Architectural Engineering, University of Nebraska, Lincoln, NE, 2020.

Project Experience

- Oregon State University
  Fairbanks Hall
  Corvallis, OR
- Minot State University
  Hartnett Hall
  Minot, ND
- Sinclair Community College
  Distance Learning
  Dayton, OH
- Grand Rapids Community College Secchia Institute for Culinary Education
  Grand Rapids, MI
- Oregon Health and Science University Dispatch
  Portland, OR
- Corewell Health Ambulatory
  Grand Rapids, MI
- PeaceHealth Riverbend
  Springfield, OR
- Portland Providence Medical Center Main Emergency Department
  Portland, OR
- Interlochen Center for the Arts
  Interlochen, MI
- Jackson Hole Classical Academy New High School
  Jackson Hole, WY
- Hudsonville Christian School
  Hudsonville, MI
- Wheaton Academy
  West Chicago, IL
- Kellogg's Headquarters
  Battle Creek, MI
- LinkedIn Detroit
  Detroit, MI
- Disability Advocates of Kent County
  Grand Rapids, MI
- Wolverine Worldwide Broadcast Studio
  Rockford, MI
- Cannon Muskegon Noise Study
  Muskegon, MI
- Grand Rapids Public Museum
  Grand Rapids, MI
- Southtown Guitar
  Grand Rapids, MI

Faulkner Bodbyl-Mast

Audiovisual & Acoustical Consultant
fbodbylmast@abdengineering.com

Faulkner Bodbyl-Mast is an audiovisual and acoustical consultant, having earned a bachelor's degree in Sound Engineering, with a minor in Electrical Engineering. You might work with him in either or both capacities at ABD.

Faulkner's interest in sound came from his passion for music. He started attending Grand Rapids Symphony Orchestra concerts as a child and developed as an instrumentalist through grade school and high school, picking up the euphonium and carrying it into college. Once exposed to electronic music, Faulkner's interest shifted from performance to technical arts. He combined his early musical training with technology and blossomed into composing, recording, and music production. Faulkner provided sound design for live theater productions and began 3D sound modeling to create sound design for video games.
Acoustics and AV go together, as the inherent quality of the built environment is designed and tuned by engineering and supported and enhanced by the electronics. Faulkner notes the acoustics of a space and systems within it must compliment each other or they will undermine each other.

Aside from his work in acoustics and audiovisual design, Faulkner is passionate about music. Gifted in composing, performing, and recording electronic pieces, you might find his compositions on SoundCloud.

Professional Experience

- 2022-Present – Audiovisual & Acoustical Consultant, ABD Engineering & Design, Inc., Grand Rapids, Michigan
- 2022 - Acoustical Intern, Kirkegaard, Chicago, Illinois
- 2019-2022 – Media Assistant, Duderstadt Center, Ann Arbor, Michigan
- 2019-2022 – Audio Director, Composer, Sound Designer, Wolverine Soft Studio, Ann Arbor, Michigan

Professional Memberships

- Audio Engineering Society
- American Institute of Architects, Professional Affiliate
- National Council of Acoustical Consultants

Education

- Bachelor of Science in Sound Engineering, minor Electrical Engineering, University of Michigan, Ann Arbor, 2022.

Project Experience

- Hope College Economics and Business, Holland, MI
- Oregon State University Fairbanks Hall Corvallis, OR
- Oregon State University Student Success Center Corvallis, OR
- Hillsboro Civic Center Hillsboro, OR
- Chehalem Cultural Center Newberg, OR
- City of Troy Council Chambers Troy, MI
- Portland Art Museum Rothko Pavilion, Portland, OR
- Rogue Credit Union Community Complex Sports and Events Medford, OR
- Wheaton Academy West Chicago, IL
- St Paul Center Steubenville,OH
- Ben Davis High School Indianapolis IN
- Potter Elementary School Flint, MI
- Illiana Christian High School Lansing, IL
- Amity Middle School and High School Amity, OR
- NAMI Oregon Portland, OR
- Peace Church Middleville, MI
- Gardens of Sun City Senior Living, Sun City, AZ
- Senior Living Peoria AZ

Lauren Slattery

Acoustical Consultant
lslattery@abdengineering.com

Lauren Slattery is an acoustical consultant newly located in Portland, OR. She is a graduate of Belmont University where she earned her bachelor's of science degree in Audio Engineering Technology, with a Physics minor.

Lauren comes to ABD Engineering & Design directly from her internships at NASA Ames Research Center and NASA Marshall Space Flight Center, where she performed acoustical testing and assisted with acoustical aspects of aircraft, satellites, engines, and their components. Lauren is building her architectural acoustical experience through mentoring with ABD staff. She is proving to be a quick study and is taking on her own project work.

Lauren describes herself as outdoorsy and enjoys hiking, climbing, and kayaking. She loves road trips and travel, reading, and baking - especially pastries.

Professional Experience

- 2024-Present – Acoustical Consultant, ABD Engineering & Design, Inc., Portland, Oregon
- 2024 – Acoustic Support Intern, NASA Ames Research Center, Mountain View, California
- 2023-2024 – Acoustic Test Support Intern, NASA Marshall Space Flight Center, Huntsville, Alabama
- 2021-2024 – Audiovisual Technician, Columbus Zoo and Aquarium, Columbus, Ohio
- 2022 – School of Music Audio Crew, RF Technician, Stagehand, Belmont University, Nashville, Tennessee

Education

- Bachelors of Science: Audio Engineering Technology, Physics Minor: Belmont University, Nashville, TN, 2023

Professional Certifications

- ProTools User Certified
- Dante Certification 3

Professional Memberships

- Audio Engineering Society
- Women in Audio
- Acoustical Society of America
- Institute of Noise Control Engineering (INCE)
- American Society of Testing and Materials
- National Council of Acoustical Consultants

Project Experience

- Oregon State University Corvallis, Magruder Hall, Corvallis, OR
- Sous La Rose Social Club and Event Space, Portland, OR
- Micronesian Islander Community's Voyagers' Village, Affordable Housing, Salem, OR
- Colonia de Valle Prospero, Affordable Housing, Albany, OR
- RogueX Credit Union Community Complex, Aquatics, Sports, and Events Center Medford, OR
- Acoustic Test Stand Design, Mountainview, CA
- Wind Tunnel Acoustic Data Processing, Mountainview, CA
- Ocean Way Recording Studios, Final Recording Project for Studio Recording II Nashville, TN
- Foley and ADR group recording project Nashville, TN

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