Transylvania County Schools

Architectural Services

CLARKNEXSEN

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Mr. Norris Barger
Director of Business Services
Transylvania County Schools
225 Rosenwald Lane
Brevard, NC 28712

November 1, 2017

Re: Architectural Services for Transylvania County Schools

Dear Mr. Barger,

Transylvania County School's forthcoming capital projects associated with the Board's Master Facilities Plan will advance your long-term goals and mission, preparing students to become community leaders with a life-long desire to learn, lead, and serve. This work requires a design partner with a breadth of K-12 experience and an understanding of how space and function impact the student experience. Led by our Asheville studio, our firm of more than 400 designers is uniquely positioned to offer TCS depth of expertise, design excellence, and manpower to create successful solutions completed on time and within budget.

As K-12 design experts, Clark Nexsen provides TCS with proven ability to deliver successful elementary, middle, and high school projects featuring cutting-edge technology and the flexibility to adapt to changing educational trends. Our architects have designed numerous renovations as well as new construction, often on occupied campuses. Equally important, our promotional design capabilities, including 3-D renderings, movies, and fly-throughs, will reflect the excellence your community expects from TCS. We understand the significance of our role in both designing exceptional facilities and in providing attractive, effective presentation tools to communicate your objectives.

Having partnered with you on your Master Facilities Plan, our Asheville studio has gained insight into your educational culture and goals. We will utilize this insight to partner with you on your capital improvement projects, leveraging our experience designing elementary schools, middle schools, high schools, and athletic facilities. Additionally, Clark Nexsen brings considerable design and construction experience in Western North Carolina. We understand both designing in our mountains, and the contractor/subcontractor climate here.

Clark Nexsen believes the most successful projects evolve from collaboration. We are enthusiastic about this opportunity to partner with you to design learning environments that will positively impact your students' academic, social, and athletic experiences for years to come.

Thank you for your consideration.
Sincerely,

Chad Roberson, AIA, LEED AP BD+C
Clark Nexsen

CLARK NEXSEN

Clark Nexsen is a full-service architecture, engineering, master planning and interior design firm with offices in Asheville, Charlotte, Roanoke, Raleigh, Atlanta, Macon, Austin, Richmond, and Virginia Beach. Founded in 1920, Clark Nexsen employs over 400 professionals and offers a relevant portfolio throughout the U.S. and in more than 40 countries world-wide. Clark Nexsen's client list includes K-12, higher-ed, federal, state and local governments, and numerous corporations. Transylvania County School's Master Facilities Plan Projects will be designed and managed from our Asheville studio. We understand the construction industry in Western North Carolina and how to design in our mountains, where topography is always a design consideration.

Clark Nexsen services include architectural, master planning, feasibility studies, facilities management, building design, landscape architecture, interior design, and construction administration. Our in-house engineering services include civil, environmental, transportation and traffic, mechanical, electrical, plumbing, structural, commissioning, and fire protection design. In-house consultants enhance communication among professional disciplines, and we are better able to deliver your projects on time and within budget, all while maintaining quality control. Often we team with local landscape architects and civil engineers when advantageous to our client. For TCS's projects we will work with our civil engineer, Civil Design Concepts, and our IT and AV consultant, The Sextant Group. We have worked on numerous educational projects with Sextant and with CDC. Our established professional relationship with each firm would be an asset to TCS projects.

Partner. Discover. Transform.

Partnership We believe partnership — with our clients, with our colleagues, and with our communities — is fundamental to the effective pursuit of transformative design. Our transdisciplinary team of design professionals partners with our clients to shape ideas that transform their projects.

Discovery Our clients benefit from a process forged over a century of design practice delivering projects solving real problems. Discovering innovative solutions results from our iterative, collaborative process, enjoyed with clients to discover exceptional ideas.

Transformation Ideas have the power to transform our world. As design professionals, our social responsibility is to advance our communities through innovative, sustainable design. Design is more than steel and glass; more than concrete and brick; more than lines on paper. At every intersection of every discipline we offer, our focus is on creating spaces and experiences that reward those interacting with them.

CLARK NEXSEN FAST FACTS

Founded in 1920
Intradisciplinary staff of 400+

Full Service
Architecture
Engineering
Interior Design
Planning
Landscape Architecture

Markets
K-12
Higher Education
Commercial/Municipal
Healthcare
Science & Technology
Energy
Federal/DoD
Infrastructure
Industrial & Manufacturing
Transportation

Recognition

2017 AIA NC Firm of the Year

Architect 50
Design Category, #29

Building Design+ Construction's Engineering/ Architect Giants Top 20

Engineering News-Record's Top 200

72 AIA Design Awards

Board of Directors

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Principal – Clint Hardie, PE, Cx, RCx

Principal – Garry Kiskinis, PE, LEED AP

Principal – Chad Roberson, AIA, LEED AP BD+C

Principal – Danny Taylor, PE

ORGANIZATIONAL CHART

Transylvania County Schools

CHAD ROBERSON
AIA, LEED AP BD+C
Clark Nexsen
Principal in Charge

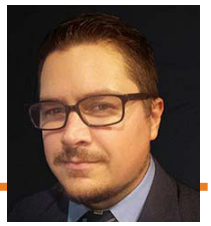
JOEL HELMS
AIA, LEED AP BD+C
Clark Nexsen
Senior Architect

DONNA FRANCIS
AIA, LEED AP BD+C, ALEP
Clark Nexsen
K-12 Education Expert

WILLIAM STINGL PE, CEA
Clark Nexsen
Sr. Mechanical Engineer/
Energy Mgmt. Director

PATRICK J. ROSE, PE
Clark Nexsen
Senior Electrical
Engineer

PATRICK BRADSHAW, PE
Civil Design Concepts
Principal in Charge
Civil Engineer



TRAVIS SEIBEL, CTS-D
The Sextant Group
Senior Systems Designer
Lead Audiovisual

NARRATIVE

Our approach to design. If a backpack can serve as a metaphor for your journey toward successful educational projects, then our Clark Nexsen design approach helps you fill your backpack for this journey. As architects, engineers, and K-12 consultants, we ensure that your backpack is filled with the necessary elements to realize your vision. Although no design process is exactly the same, Clark Nexsen has made similar journeys to yours. We know how to start packing, what to include, and when. We know where to go to get you what you need (thanks to in-house Clark Nexsen professionals, i.e. Donna or Chad). This is our methodology to programming, planning, and design, honed over years of experience and many hundreds of thousands of square feet of learning space. Clark Nexsen understands that the best educational project backpacks include ideas from every member of your team, especially Transylvania County Schools. Our job is to know what is missing and when to make room in your backpack. Often we recognize opportunities along the journey requiring input from specific project stakeholders who contribute whatever is needed. This is how we lead at Clark Nexsen.

School Schedules are especially sensitive, as learning spaces need to be ready to go on the first day of school. Necessary for effective design and construction schedule management is clear communication, timely decision making, and accountability for meeting milestones. Schedule and phasing management begins during initial programming. Clark Nexsen utilizes both Microsoft Project and Oracle P6 software for schedule management. We require recovery schedules during construction when baseline and actual schedules deviate, and offer the leadership needed to implement plans where necessary to restore the project to successful, timely completion.

PRIOR CLARK NEXSEN PUBLIC SECTOR DESIGN EXPERIENCE OF SIMILAR SCALE & COMPLEXITY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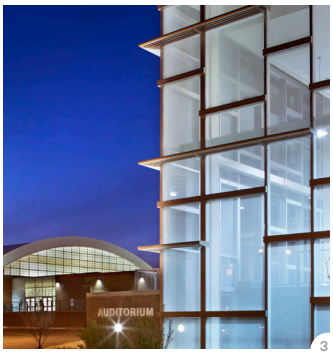

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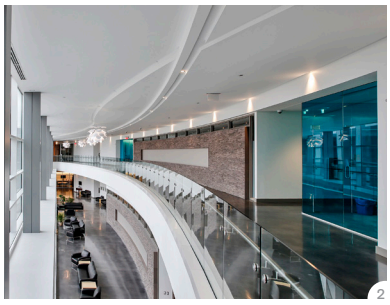
1 Lake Norman Charter School, Huntersville, NC **2** Henderson County Innovative High School, Flat Rock, NC **3** Cary High School, Wake County Public School System, Raleigh, NC **4** Apex High School Facility Assessment & Renovations, Apex, NC, Wake County Public School System **5** Laurel Park Elementary School Adaptive Reuse, Cary, NC **6** Abbotts Creek Elementary School, Wake County Public School System **7** East Wake High School, Wake County Public Schools **8** Fuquay-Varina Middle School, Fuquay-Varina, NC **9** Mountain Community School, Hendersonville, NC

RELEVANT PUBLIC SECTOR PORTFOLIO

Clark Nexsen has been recently selected as the architect of record for Henderson County, NC. In this capacity we have developed a productive professional relationship with Henderson County government, Commissioners, and stakeholders throughout the government and community.

Together with Henderson County we have designed and built (or soon to build) the Henderson County Health Sciences Center, the new Hendersonville High School, the new Emergency Services Building, the new Innovative High School, and the new Law Enforcement Training Center.

As we have with numerous public clients in Western North Carolina, Clark Nexsen has designed both new construction and renovations for Henderson County, usually on occupied campuses, and often in response to master facility plans.



1 Henderson County Innovative High School

2 Henderson County Health Sciences Center

3 Henderson County Emergency Services Headquarters

ADDITIONAL REFERENCES

Mr. Steve Wyatt
Henderson County Manager
1 Historic Courthouse Square, Suite 2,
Hendersonville, NC 28792
828.697.4809
swyatt@hendersoncountync.org

Mr. Bo Caldwell Superintendent,
Henderson County Public Schools
414 4th Avenue West,
Hendersonville, NC 28739
828.697.4733
bcaldwell@henderson.kl2.nc.us

Dr. Scott Elliott Superintendent,
Watauga County Schools
175 Pioneer Trail, Boone, NC 28607
828.264.7190
elliotts@wataugaschools.org

Mr. Deron Geouque
Watauga County Manager
814 West King Street, Suite 205,
Boone, NC 28607
828.265.8000
deron.geouque@watgov.org

Dr. John Bryant Associate Superintendent
for Administrative Services,
Henderson County Public Schools
414 4th Avenue West,
Hendersonville, NC 28739
828.697.4733

Mr. Rob McArthur
former CFO, Carolina Day School
Assistant Head of School for Operations/
CFO, Asheville School
360 Asheville School Road,
Asheville, NC 28806
828.254.6345
mcarthurr@ashevilleschool.org

Transylvania County Schools Facilities Master Plan

Clark Nexsen was selected by TCS to conduct a facilities assessment of their nine schools, Board of Education building, and Plant Operations Building. The assessment process had evaluated the existing facilities for functional adequacy, determine facility needs, and develop sound, long-range building plans based on cost and feasibility of renovating the older buildings. The assessment will also propose a schedule and target budget for project implementation.

Development of a building programs for each school evolved in part by addressing issues characteristic of school facility assessments:

- what to do with students during construction?
- renovate all facilities, build new facilities, or some of each approach?
- optimal construction phasing
- student security and safety during construction
- notice to proceed timing, i.e. consideration of a temporary lack of gymnasium or auditorium.
- planning for future student growth
- opportunities for community involvement, and collaboration
- strive to maintain existing athletic fields
- remain sensitive to community preferences

Through meetings and workshops led by the Clark Nexsen design team, input was obtained from TCS administration, faculty, students, Transylvania County, and community user groups. This stakeholder collaboration verified current and future needs, and anticipates future growth.

Facilities Assessment & Long Range Plan, Watauga County Schools

Clark Nexsen is working closely with both Watauga County Schools and Watauga County government to develop a facilities master plan that WCS will use to establish a list of capital project priorities.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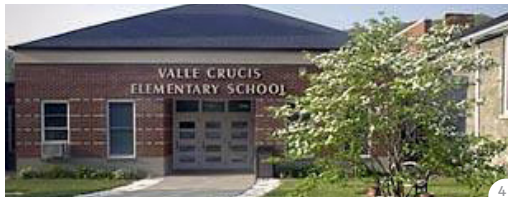

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1 Cove Creek School **2** Green Valley School **3** Hardin Park School **4** Valle Crucis School **5** Blowing Rock School **6** Mabel School **7** Parkway School **8** Bethel School

PROFESSIONAL QUALIFICATIONS OF DESIGN TEAM

CHAD ROBERSON, AIA, LEED AP BD+C
Clark Nexsen | Principal in Charge, Project Manager
Asheville Office, 21 years experience

Chad has designed and managed Clark Nexsen projects since 1996 and has been responsible for our Asheville studio since its opening in 1999. Chad's portfolio features both public and private sector projects. He has successfully delivered millions of square feet of educational facilities valued at over 500 million dollars, college and university buildings, performing arts facilities (including the Progress Energy Center for Performing Arts), and commercial development. His projects are characterized by challenging schedules, complex building programs, dense urban or campus contexts, and the coordination of multiple, diverse user groups.

Currently, Chad is Principal in Charge for Henderson County's Innovative High School, Hendersonville High School, and the Law Enforcement Training Center on the campus of Blue Ridge CC; WCU's new Upper Residence Hall; and the renovation of Owen and Carmichael Halls at UNC Asheville. He recently lead in the design and construction administration of the newly completed Asheville Middle School, Henderson County Health Sciences Center, City Centre in downtown Asheville, and the Health and Human Sciences Building at WCU. Chad has been a member of the faculty at NC State University School of Design, is a licensed contractor, and has been a leader among LEED accredited architects in North Carolina. The School of Nursing at UNC Chapel Hill, designed by the Clark Nexsen Asheville Studio, is the first LEED certified building in the UNC system.

Asheville Middle School

Education
Master of Architecture, Columbia University, GSAPP, 1996
Bachelor of Environmental Design, NCSU, 1993

Licenses and Registrations
Registered Architect: AL, AR, AZ, DE, FL, IL, LA, MD, NC, NE, OK, OR, PA, SC, TX, VA, WA, and Ontario
LEED AP BD+C, AIA, NCARB Certificate Holder

Representative Projects

Hendersonville High School

Henderson County Innovative High School

Owen & Carmichael Hall Renovations *UNC Asheville*
WCU Upper Residence Hall *Cullowhee, NC*
Henderson County Health Services Center *Hendersonville, NC*
County Emergency Services Headquarters *Henderson County, NC*
Asheville Middle School *Asheville, NC*
Hendersonville High School *Hendersonville, NC*
Innovative High School *Flat Rock, NC*
Carolina Day School *Asheville, NC*
City Centre Office Building *Asheville, NC*
Health & Human Sciences Building *WCU, Cullowhee, NC*
Master Plan *WCU, Cullowhee, NC*
Diana Wortham Theater Renovation *Asheville, NC*
Gorges State Park Visitor Center *NC Div. of Parks & Rec.*
US Cellular Center Renovations *Asheville, NC*

DONNA FRANCIS, AIA, LEED AP BD+C, ALEP
Clark Nexsen | K-12 Education Expert
21 years experience

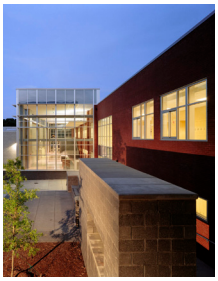
Education
Master of Architecture, North Carolina State University
Bachelor of Environmental Design, North Carolina State University

Licenses and Registrations
Registered Architect: NC; LEED AP
Certified Educational Facility Planner, CEFPI Advanced Academy for Learning Spaces

Donna's career is focused on providing quality educational facilities for K-12, higher education and religious institutions. She is passionate about providing spaces that support and enhance the ability for young people to learn. Over the course of her 30-year career, she has developed expertise in K-12 master planning, design, development of construction documents, code compliance, green building construction. To supplement her experience and deepen her understanding of impactful learning spaces, she enrolled in the CEFPI Advanced Academy for Learning Spaces. In July 2015, Donna was recognized as a Accredited Learning Environment Planner (ALEP). Through this course, she has studied the connections between student learning and building parameters, how to provide facilities that support differentiated instruction, and the importance of including community engagement in the design process from the specification development to a completed construction project.

Related Project Experience

Cary High School


Fuquay-Varina Middle


Laurel Park Elementary

Emma Conn Elementary School Renovation Addition & Facility Study, Raleigh, NC
This $2.8 million project included a 28,000 sf addition, and 10,000 sf renovation to provide a new administration wing, and classrooms to serve the kindergarten, and fifth grade class levels.

E.P. Pearce Elementary School, Greensboro, NC
This $16 million project consisted of an 87,000 sf school designed for a healthy learning atmosphere.

Cary High School Renovations & Additions, Cary, NC
This $24.2 million, 154,581 sf project consisted of a mixture of one-story, double-loaded corridor classroom buildings, with a few larger common buildings such as the auditorium, gymnasium, and the auxiliary gymnasium.

Fuquay-Varina Middle School Renovation & Addition, Fuquay-Varina, NC
75,000 sf addition, and 30,000 sf renovation with new classrooms, new dining room facilities, and a new auditorium. $12 million

Ligon GT Magnet Middle School Renovation & Addition, Raleigh, NC
The $6.6 million, 75,523 sf project consisted of improvements in all areas of music, dance, and art classrooms. Other areas of renovation included the gymnasium and locker rooms and a new self-contained classroom suite located in the existing art classroom.

Laurel Park Elementary School Adaptive Reuse, Cary, NC
This $16 million project consisted of a new 37,726 sf, 900-student school crafted from a 41,950 sf renovation of an existing pharmaceutical facility.

Wake County Public Schools Elementary School Prototypes
This prototype created for Wake County has been reproduced, and improved upon, 14 times over the last 20 years.

JOEL HELMS AIA, LEED AP BD+C
Clark Nexsen | Education, Senior Architect

Education
Master of Architecture, The University of Texas, Austin, 1996
Bachelor of Architecture, Florida A&M University, 1991

Licenses and Registrations
Registered Architect: North Carolina, Virginia
LEED Accredited Professional, Building Design + Construction
Member - American Institute of Architecture, USGBC
Green Globes Professional

Joel Helms, an associate principal and senior architect with Clark Nexsen has design and construction administration experience on various building types and scales which include K-12, college and university buildings, commercial developments, and interior projects. He is currently Project Architect on the new Asheville Middle School, and recently lead in the design and construction administration of an addition and renovation to Lake Norman Charter School. He has experience in sustainable building design including Gorges State Park Visitor Center and the School of Nursing at UNC Chapel Hill, the first LEED certified building in the UNC system. Joel Helms has served as a visiting design juror at the University of Texas at San Antonio. He is also a member of the North Carolina AIA and US Green Building Council.

Selected Project Experience

Asheville Middle School

Lake Norman Charter School

Asheville Middle School
$42,500,000
160,000 sf
new middle school, designed on the existing middle school urban site.
Asheville, NC

Lake Norman Charter School High School
22,000 sf addition, 5,000 sf renovation
Huntersville, NC

Mountain Community School
11,000 sf, $1,400,000
new elementary school
Hendersonville, NC

Technology Education & Development Center
Blue Ridge Community College
Flat Rock, NC

Upper Residence Hall
Western Carolina University

Henderson County Emergency Services Headquarters
Hendersonville, NC

WILLIAM R. STINGL, PE, CEA
Clark Nexsen | Senior Mechanical Engineer/Energy Management Director

Past Roles & Responsibilities
Bill Stingl began his career in 1987 and is presently the mechanical engineering department head for Clark Nexsen's Raleigh office. He has HVAC and plumbing design engineering experience including energy related report development, design cost estimating and implementation of energy-related and HVAC/ plumbing design such as clean room, food service, laboratory, industrial and commercial projects.

Licenses and Registrations
Certified Energy Auditor; Professional Engineer: NC, WI

Education
Bachelor of Science, Mechanical Engineering
University of Wisconsin at Madison - Naval Nuclear Power School

Office Location Raleigh Office **Years of Service with the Firm** 10, 30 total

Representative Projects
Medicago North America Research Triangle Park, North Carolina
Technical Services Building, Fujifilm Diosynth Biotechnologies Morrisville, North Carolina
Campus Master Plan, BASF Corporation Research Triangle Park, North Carolina
Confidential Ag-Tech Center Research Triangle Park, North Carolina
Innovations Center Renovations Phases 1-5, Bayer CropScience Research Triangle Park, NC
Bayer CropScience Assessment & Master Plan Research Triangle Park, North Carolina
University of North Carolina at Chapel Hill Chapel Hill, North Carolina

PATRICK J. ROSE, PE
Clark Nexsen | Senior Electrical Engineer
Raleigh Office, 15 29 years experience

Past Roles & Responsibilities
Pat Rose started his career in 1989 and is presently a senior electrical engineer in the firm's Raleigh office. His knowledge of power distribution systems, electrical equipment specifications and industrial power systems make him an asset to this project team. Pat has also had the opportunity to manage projects from inception to completion, as well as prepare specifications and cost evaluation and expansion studies.

Licenses and Registrations
NCEES; Professional Engineer: DC, NC, OH, SC, TN , VA

Education
Bachelor of Science, Electrical Engineering, UNC Charlotte, 1989
Associate of Science, Engineering Science, Broome Community College 1984

Office Location Raleigh Office **Years of Service with the Firm** 15, 29 total

Representative Projects
Medicago North America Research Triangle Park, North Carolina
UNC Vector Lab Upfit, UNCChapel Hill Chapel Hill, North Carolina
Kenan, McIver, & Alderman Residence Hall Renovations, UNC Chapel Hill Chapel Hill, NC
Carmichael Residence Hall HVAC Renovation, UNC Chapel Hill Chapel Hill, North Carolina
Ram Village Residence Hall Complex, UNC Chapel Hill Chapel Hill, North Carolina
Upper Quad Housing HVAC Renovations and Windows Replacement, UNC Chapel Hill
Seahawk Village Student Housing Complex, UNC Wilmington Wilmington, North Carolina

CIVIL DESIGN CONCEPTS

Based in Asheville, NC, Civil Design Concepts is a premier civil design engineering firm with local insight. Throughout the greater region and beyond, CDC has provided design and development expertise to help create viable schools and institutions, bringing in new business and improving the tax base for many communities. The success of these projects is largely due to their ability to apply the same core competencies (project management, feasibility studies, municipal representation, planning and design) in their institutional projects as they do for their commercial and residential clients.

PATRICK BRADSHAW, PE
Civil Design Concepts | Principal in Charge, Civil Engineer
Waynesville Office

Education Civil Engineering, NC State University, 1994

Registration Registered Professional Engineer: North Carolina
PE # 24431 (1999); NCEES Record # 27810 (2005)

Patrick Bradshaw joined Civil Design Concepts in 2008 as Principal and Managing Partner of the Waynesville Branch office. Patrick had spent the previous five years building a civil design firm in his hometown of Waynesville, NC. His cross-section of experience also includes five years of civil engineering design experience in both the Charlotte and Asheville markets as well as a two year period serving as the Civil Engineering Director for the Eastern Band of Cherokee Indians – Housing Infrastructure Program. Patrick also served as a construction project manager with a well-established site development contractor in Western North Carolina. Given the on-set of development throughout Western North Carolina in the late 90s it became apparent that there would be a need for professional service in the western-most counties of North Carolina. Since that time, Patrick has developed relationships with a number of government and regulatory agencies, developers, contractors and utility providers, giving Civil Design Concepts a recognized and established presence in the site development market west of Asheville.

Asheville Middle School

Bethel Elementary School

Cherokee Central K-12 School

Representative Projects

Asheville Middle School
CDC's scope included planning approvals and design of site work, utilities, storm water, project streetscape, and pedestrian circulation, as well as traffic analysis.

Bethel Elementary School *Haywood County*
CDC's scope for this new school included the planning and design of innovative storm water best management practices, an on-site potable water system, an on-site sewer system, NCDOT roadway widening, and construction observation.
Contact: Dr. Anne Garrett, Superintendent, Haywood County Schools, 828.456.2400

Buncombe County Intermediate Schools & Athletic Fields

Cherokee Central K-12 School *Cherokee, NC*

Iotla Valley Elementary School, Macon County K - 4
Franklin, North Carolina

Western Carolina University *Cullowhee, NC*
Over the past few years the CDC team has had the opportunity provide Site design, geotechnical coordination, planning and cost estimating on several important WCU projects.

PROCESSES THAT CREATIVELY ENGAGE STAKEHOLDERS/ESTIMATED SCHEDULE

Different approaches to curriculum delivery require Clark Nexsen architects to understand client values and to support the varied learning styles that students bring to our classrooms. For example, school systems nationwide are implementing the "School of One" programs, supporting either peer instruction or a one-on-one teacher to student approach, depending on the student. Our learning environments provide flexibility, responding to student learning styles and different educational delivery methods. Furniture should be mobile and adaptable, supporting a variety of instructional delivery methods and student collaboration in either small or large groups. Variable seating heights and work surfaces support non-traditional postures that students prefer when working on their own. Storage units or movable marker boards become dividers, separating short term activity centers or group activities. Our classrooms are tech-savvy. Schools often permit the use of student provided mobile devices in the classroom and wireless networks must facilitate recharging. Smart boards and monitors should be configured in support of teaching and learning, but not to interrupt other activities. Software can track student learning styles, responding relative to the student's internalization of information.

Student collaboration is supported in all Clark Nexsen 21st Century learning environments. Visual display devices, mobile devices, and mobile furniture increase student interaction. Flexible spaces respond to multiple modalities. Our learning environments support project based instruction, accommodating hands-on learners, and our schools often include separate lab spaces for project implementation, designed to be easily monitored.

Changing instructional point of view in a classroom also supports varied learning styles. Rooms without a front or display wall allow teachers to engage students in quality conversations; students do not get lost in the back of the room. Providing environments where teachers can collaborate with team members, as well as work independently, improves student achievement. Additionally, in this world of information overload, subject matter from a variety of disciplines is more relevant to the student, and to real world applications of material.

The key to determining an approach to designing learning environments is understanding what TCS priorities are, determined through stakeholder involvement at staff and community meetings.

PARTNERSHIPS WITH EDUCATIONAL PLANNING FIRMS

THE SEXTANT GROUP

Independent Technology Consultants The Sextant Group supports architects, interior designers, owners and facility planners as a catalyst: as technology adviser and consultant, they help stakeholders and design teams explore and articulate present and future needs through an intrinsic understanding of how technology and users interact. They then enable that dynamic to inform and shape the environment, resulting in better-designed (i.e., efficient, cost-effective, future-proofed) learning, healing, communication, collaboration, and entertainment facilities.

Thought Leaders Experienced in planning and designing spaces and systems for educational, healthcare, corporate, government, institutional, performing arts, broadcast, and sports & recreation, The Sextant Group has designed over 900 projects on over 300 campuses across North America, with recognized expertise in:

- Strategic Technology Planning
- Audiovisual, Multimedia and Broadcast Systems Design
- Voice/Data/Video Telecommunications Networking
- Security Assessment, Electronic Security Systems Design
- Architectural Acoustics, Noise & Vibration Control
- Technical Lighting Design
- Theatre Technology
- Healthcare Technology
- Faculty Support and Development

TRAVIS SEIBEL, CTS-D
The Sextant Group | Senior Systems Designer/Lead Audiovisual Technologies
Education Engineering Studies, Georgia Perimeter College
Credentials & Associations
Certified Technology Specialist - Design (CTS-D) by InfoComm International, the highest level of certification in the audiovisual industry
Certified Design Credentials from multiple manufacturers

Travis is a "live audio" guy at heart. He brings 20+ years of experience in setting up sound systems, troubleshooting, and mixing live sound. As a service specialist and project engineer for one of the largest national AV integration firms, Travis was often brought in to finish designs and commission current AV systems. Travis is an expert in DSP systems design and setup, is an accomplished control systems programmer, and truly understands equipment integration.
Project Responsibilities Leads discussions of Audiovisual strategies in support of client's business and technology objectives; designs and specifies audiovisual systems; creates infrastructure and systems drawings; performs site reviews.

REPRESENTATIVE PROJECTS

North Atlanta High School
Phase II Renovation

Sartell High School, Sartell MN
New High School

Horry-Georgetown Technical College
Academic Building 300

Western Carolina University
Health & Human Sciences

Middle Tennessee State University
New College of Education and Behavioral Sciences

Middle Tennessee State University
New Student Union

Southeastern Community College
New Science Building

LaGrange College
Carson J. Callaway Building Renovation & New Science Building

Georgia State University
Alpharetta Academic Facility

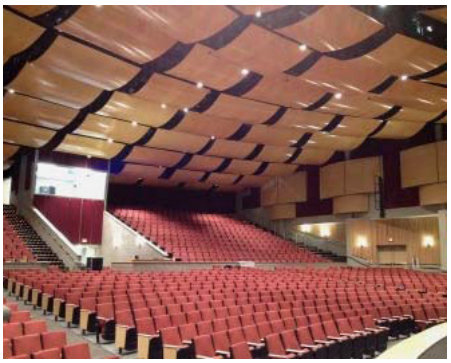
Georgia Institute of Technology
Clough Undergraduate Learning Commons

University of Mary Washington
Monroe Hall Academic Building

Hendrix College
Student Life & Technology Center

THE SEXTANT GROUP K-12 EDUCATION: SELECT OWNERS

Alexandria School District, Alexandria MN
Arlington Public Schools, Arlington VA
Aqua Fria Union High School District, Avondale AZ
Bethel Park High School, Bethel Park PA
Brentwood School District, Pittsburgh PA
Buffalo Academy @ 998, Buffalo NY
Cab Calloway School of the Arts, Wilmington DE
Canfield High School, Canfield OH
Cardinal Wuerl North Catholic High School, Cranberry Township PA
Cave Creek Unified School District, Cave Creek AZ
Center for Early Education, West Hollywood CA
Central Catholic High School, Pittsburgh PA
Chagrin Falls High School, Chagrin Falls OH
Cherry Creek Charter School, Denver CO
Cleveland Heights - University Heights School District, Cleveland OH
Cleveland Metropolitan School District, Cleveland OH
Collegiate School, Richmond VA
Columbus Academy, Gahanna OH
Coronado High School, Scottsdale AZ
Coventry High School, Akron OH
Curtis School, Los Angeles CA
Dawson School K-12, Boulder CO
Deer Lakes High School, Russellton PA
East Liverpool High School, East Liverpool OH
Ellis School, Pittsburgh PA
Ethical Culture Fieldston School, Bronx NY
French-American School of New York, New York NY
Foshay Junior High School, Los Angeles CA
Fuchs Mizrachi School, University Heights OH
Gateway School District, Monroeville PA
Geneva High School, Geneva OH
Girard Intermediate School, Girard OH
GlenOak High School, North Canton OH
Greater Latrobe School District, Latrobe PA
Higley High School, Gilbert AZ
James A. Foshay Junior High School, Los Angeles CA
Jefferson County School District, Arvada CO
Johnstown-Monroe Local School District, Johnstown OH
Kemps Landing Magnet School, Virginia Beach VA



Kent Roosevelt High School, Kent OH
Knoch High School, Saxonburg PA
Lake Local High School, Hartville OH
Liberty High School, Liberty OH
Liberty North High School, Liberty MO
Lisbon Senior High School, Lisbon OH
McKinley High School, Sebring OH
McKinney Independent School District, McKinney TX
Moon Area Senior High School, Moon Township PA
Newton Falls High School, Newton Falls OH
Niles High School, Niles OH
North Allegheny High School, Wexford PA
North Atlanta High School, Atlanta GA
North Carolina School for the Death, Morganton NC
Norwin School District, North Huntingdon PA
Orange High School, Cleveland OH
Ouray School District, Ouray CO
Owego Elementary, Owego NY
Parker Performing Arts School, Parker CO
Parkway Elementary School, Alliance OH
Philipsburg Osceola School District, Philipsburg PA
Plum High School, Plum PA
Propel Schools, Homestead PA
Rancho Solano Preparatory School, Scottsdale AZ
Riverside School for the Arts, Riverside CA
Round Rock Independent School District, Round Rock TX
Santa Barbara School District, Santa Barbara CA
Sartell-St. Stephen School District, Sartell MN
Shadow Mountain High School, Phoenix AZ
South Butler County School District South Range Local Schools, Canfield OH
St. Albans School, Washington DC
Saint Kilian Parish School, Cranberry PA
Uniontown High School Auditorium, Uniontown PA
United High School, Hanoverton OH
University of Texas Elementary School, Austin TX
Valley Region Elementary School, Panorama City CA
West Allegheny High School, Imperial PA
West Branch High School, Mahoning County OH
Youngstown East High School, Youngstown OH

COMMITMENT TO DEVELOPING AN ENERGY EFFICIENT & HEALTHY BUILDING PLAN

Significantly involved in the US Green Building Council, Clark Nexsen designed the first LEED certified building in the UNC System. Committed to sustainability, we have accepted the AIA 2030 challenge to produce carbon neutral buildings by 2030. Our goal is to design buildings that are environmentally responsible, profitable, and healthy places to live and work. We seek to advance the value of responsible, sustainable practices in architecture, regardless of whether certification (i.e. LEED or Green Globes) is sought.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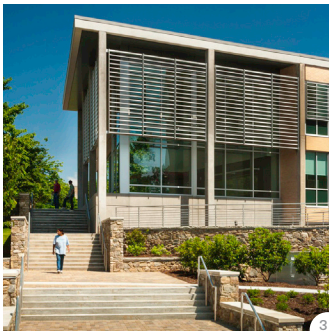
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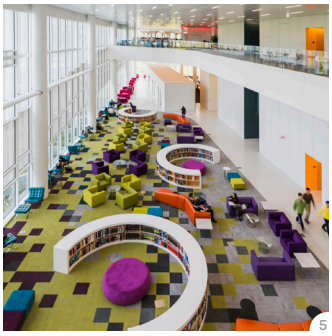
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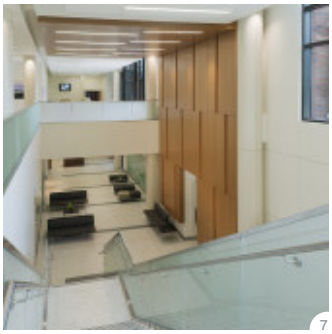
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1 UNCCH Carrington Hall, LEED Certified, Silver **2** WCU Health and Human Sciences Building, LEED Certified, Gold **3** UNCA Rhoades Hall Renovation, LEED Certified, Gold **4** UNC Manteo, Coastal Studies Institute LEED Certified, Gold **5** James B. Hunt Jr. Library, NC State, LEED Certified, Silver **6** Gorges State Park Visitor Center, LEED Certified, Gold **7** Naval Hospital Renovation & Addition, NAVFAC Mid-Atlantic, Camp LeJeune, NC, LEED Certified, Silver **8** Henderson County Innovative High School

Carolina Day Lower School Renovation & Addition

Asheville, North Carolina

The Lower School at Carolina Day serves 1st through 5th graders in an inquiry-based learning environment, focused on supporting growth and problem solving opportunities. The facility serves as the primary entrance for Carolina Day School. Prior to its renovation and addition, the Lower School suffered from a lack of flexibility, and was in need of improved wayfinding and overall functionality.

Located adjacent to Biltmore Forest, the school is located in a beautiful natural setting. Care was taken in design to reinforce the indoor–outdoor connection. Nearly every space in the facility has an exterior view, enabling the classrooms to utilize daylight-sensing systems, which automatically dim according to the amount of natural light.

In response to the programmatic goals of using space efficiently, revitalizing the original building, and seamlessly integrating the old design with the new, the building was reimagined to support current and future functionality. Complementing the existing facility, designed by renowned local architect Bertram King, a 6,500 sf addition establishes a new face for the school while housing administrative offices and a multipurpose library space. By moving the administrative spaces to the front of the facility and creating a prominent new entry, two goals were achieved: the improvement of wayfinding for students, parents, and visitors, and the efficient repurposing of classroom space in the original building. The addition also completes the enclosure of the existing courtyard, creating a gathering space and play area while enhancing campus security.

The renovated existing building focuses on the student experience—creating larger classrooms with flexible furniture

arrangements, new HVAC systems for improved climate control, and integrated audio-video technology. To efficiently utilize available space, the design features a teaching core wall that serves multiple purposes: housing building MEP systems the wall also serves as locker and project pin-up space on the hallway side and provides customizable teaching and storage space on the classroom side.

Throughout the design process efficiency, flexibility, and student educational experience were considered for every space. As a result, the building features teachable elements such as an exposed structure and a butterfly roof. The roof is designed to catch and channel rainwater into bio-retention ponds located in the courtyard. With the inclusion of many multipurpose features virtually every space in the building can adapt to new needs and purposes, effectively positioning Carolina Day School for future growth and the impact of changing educational trends.

Project Data
Size: 35,000 sf
Cost: $6,480,053
Completed: 2016

Contact
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Asheville Middle School Assessment, Design, & Construction

Asheville, North Carolina

Clark Nexsen has designed a new Asheville Middle School on the existing middle school urban site, opening to students August 2016. Facility assessments and advance planning were completed first, and a building program evolved in part by addressing issues characteristic of K-12 renovations and additions.

Through meetings and workshops led by the Clark Nexsen design team, input was obtained from AMS administration, faculty, students, and community user groups. This stakeholder collaboration verified current and future needs. The new school is designed for a 1,000 student capacity, anticipating future growth. A multi-story vertical solution was selected to reduce cost, maximize available site, and reduce student circulation between classes.

The school building includes some of the best practices for engaging today's students. The classrooms are grouped around a learning commons to promote collaborative, interdisciplinary instruction. With four teams per grade level, each grade level has access to specialized science labs for instruction and curriculum support classrooms. The school also places heavy emphasis on the role of project based learning, and has an extensive CTE program offering Industrial Arts, Engineering Technologies, Health Occupations, and Family and Consumer Sciences. There is also a strong music program which offers several types of performance classes.

Asheville City Schools did not posses an off-site location for the Middle School while new facilities were constructed. The existing facilities have remained operational and secure throughout construction.

Clark Nexsen recommended none of the existing school be repurposed, and that a new school be constructed in two phases. Phase I involved construction of the new school, and Phase II will include existing building demolition, construction of parking and circulation, and construction of new community green spaces. This approach to project phasing allowed the existing middle school to remain operational throughout construction and provided for student safety and security. This phasing model was also the most cost effective approach, spending more money on facilities and limiting security expenses and costs associated with temporary down time of school resources.

Project Data
Size: 160,000 gsf
Cost: $36,700,000
Completion: August 2016

Contact
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(former Principal, Asheville Middle School)
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Hendersonville High School Hendersonville, North Carolina

History fills the hallways of Hendersonville High School. Built in 1925, generations of the surrounding community have attended HHS. Clark Nexsen has been asked to build a new high school upon the tradition of HHS, while providing 21st century learning environments for the Hendersonville community, all on the existing high school location.

The high school's site is urban and smaller than that recommended by DPI. Design priorities include retaining athletic fields and the historic Stillwell auditorium, further reducing buildable area. Additionally, phasing is not an option due to scheduling and budget. Locating the building and providing required adjacencies with existing buildings, while holistically repurposing the entire site is paramount.

A community gateway, recessed from the road, opening to green space and landscaping (where once there were parking lots), the new campus is prominently featured along Asheville Highway. The new classroom building wraps the site and interior classrooms are daylit from a courtyard. Arts and athletic elements form an exterior courtyard which frames student entry while connecting to the Stillwell building, forming a cohesive campus. The new gym anchors the existing football field, becoming a symbol of "Bearcat" pride.

Creating a new community campus while maintaining familiar campus character was achieved through attention to building proportions and materials.
Designing a successful new Hendersonville High School has required leadership of a diverse group stakeholders, including local AHJs and NCDPI. Especially relevant was coordination with Henderson Count Board of Education and the Henderson County Commissioners.

Project Data
Size: 195,000 gsf
Budget: 54,000,000.00 total project cost
Completion date: August 2020

Contact
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Business and Community Director
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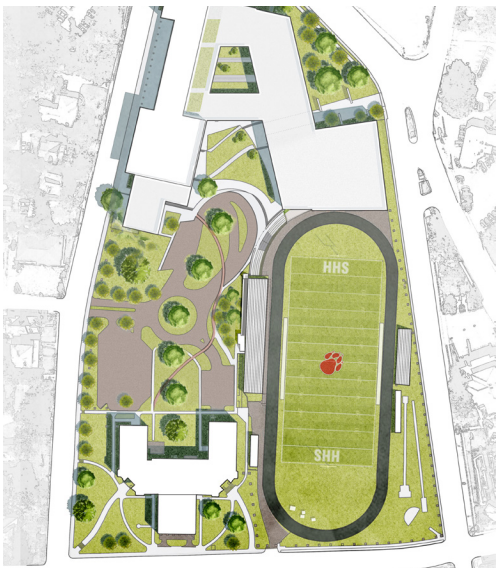
johnmitchell@hendersoncountync.org




HOME OF THE BEARCATS

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