LISTEN. ENVISION. INTEGRATE. DESIGN.

PREK-12 DESIGN

Designing Schools Around the Students and Communities They Serve

THE CHALLENGE

School districts must address evolving educational programs, aging facilities, enrollment changes, safety, energy performance, accessibility, and fiscal responsibility, often within a single project. Successful schools require more than an architectural solution. Buildings, systems, structure, site, and infrastructure must work together to create environments that are safe, efficient, adaptable, and centered on learning.

THE CHA APPROACH

CHA brings architecture, interior design, engineering, community engagement, and educational planning together from the outset. We listen to students, educators, families, administrators, and community members, then translate their priorities into flexible, high-performing schools that reflect local identity and function as lasting community assets. Our integrated approach allows educational ideas to be evaluated alongside building performance, site conditions, operations, cost, and constructibility as the design develops.

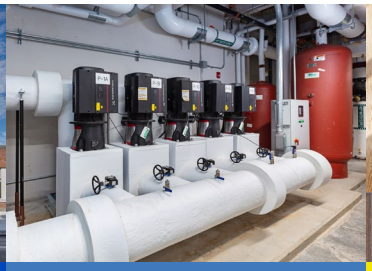


Architecture and Interiors

Turn educational vision into inspiring places to learn.

CHA designs new schools, additions, renovations, and interiors around the needs of students at every developmental stage. Flexible classrooms, learning commons, STEAM and CTE environments, arts spaces, special education settings, and shared gathering areas promote learning, creativity, collaboration, and belonging.

STUDENT-CENTERED. FLEXIBLE. ROOTED IN PLACE.

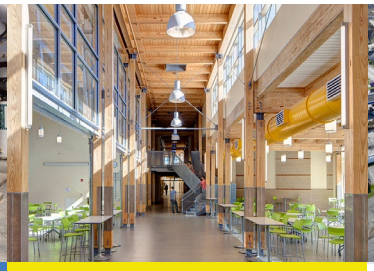


Building Engineering

Create healthy, comfortable, high-performing schools.

Our mechanical, electrical, plumbing, fire protection, and security professionals coordinate systems around daily school operations. Energy modeling, efficient HVAC and lighting, resilient infrastructure, fire and life-safety systems, and integrated security strategies help districts improve comfort, performance, and long-term operating value.

COMFORT, PERFORMANCE & OPERATIONAL VALUE



Structural Design

Build for safety, adaptability, and lasting use.

CHA's structural engineers evaluate existing buildings and design new systems for additions, renovations, modern learning environments, athletic spaces, and future expansion. Close coordination with architects and engineers helps integrate structure with educational programming, building systems, constructibility, and long-term facility needs.

PRACTICAL STRUCTURES FOR EVOLVING SCHOOLS



Civil Site and Land Development

Connect the school to a safe, functional campus.

Site selection, campus planning, grading, stormwater, utilities, permitting, accessibility, parking, and circulation are coordinated with the building design. Careful separation of buses, parent vehicles, pedestrians, service access, and emergency routes creates safer campuses and welcoming spaces for play, athletics, and outdoor learning.

SAFE SITES. STRONG INFRASTRUCTURE.

One Integrated Team. One Shared Vision for Learning.

EACH DISCIPLINE STRENGTHENS THE NEXT

The strongest schools are shaped through collaboration. CHA connects educational priorities, community input, architectural design, building systems, structure, and site infrastructure through one coordinated process.

LISTEN
Understand what matters

- Educational visioning and programming
- Stakeholder engagement
- Community workshops and public forums
- Facility and site assessments
- Existing building and infrastructure analysis
- District priorities, budget, and operational goals

ENVISION
Translate priorities into clear possibilities

- Programming and test fits
- Concept plans and design options
- Additions, renovations, and new schools
- Site selection and feasibility analysis
- Campus planning and circulation studies
- Visualization and decision-support materials

INTEGRATE
Coordinate the entire learning environment

- Architecture and interiors
- MEP systems
- Structural engineering
- Civil engineering and land development
- Fire protection, technology, and security
- Landscape architecture and outdoor learning
- Sustainable design
- Commissioning

DESIGN
Advance a buildable, future-ready solution

- Coordinated construction documents
- Permitting and regulatory coordination
- Cost and constructibility reviews
- Sustainable and durable material selection
- Bid support and contractor coordination
- Construction administration

DESIGN THAT WORKS AS ONE. CHA brings building and site disciplines together to create schools that support learning, operate efficiently, and reflect the communities they serve. From the classroom to the central plant, and from the front entrance to the outer edge of campus, every element contributes to one coordinated educational environment.







DESIGNED FOR THE FULL STUDENT EXPERIENCE

LEARNING + COLLABORATION Flexible classrooms, learning commons, breakout areas, and shared spaces that accommodate different teaching methods and learning styles.

CREATIVITY + DISCOVERY STEAM labs, makerspaces, CTE environments, and fine and performing arts spaces that promote experimentation and creative expression.

WELLNESS + BELONGING Age-appropriate environments, athletics, recreation, daylight, outdoor connections, and welcoming social spaces.

SAFETY + SECURITY Thoughtfully integrated entrances, supervision, access control, circulation, and site strategies that protect without creating an institutional atmosphere.

COMMUNITY USE Gathering, athletic, performance, and recreation spaces that extend the school's role beyond the academic day.

CONTACT US:
Kathryn Cogan, LEED AP BD+C Education Practice Leader | kcogan@chasolutions.com | (207) 699-4467