



Aurora Early Learning Center

Aurora, IL

NEW CONSTRUCTION/ ADDITION

Childcare Center

DLA ARCHITECTS, LTD.

Two Pierce Place, Suite 1300
Itasca, IL 60143
www.dla-ltd.com
Carrie Matlock
847/742-4063

HEIDRUN HOPPE ASSOCIATES

www.hha-architects.com

DESIGN TEAM

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LEED AP BD+C, Project Architect
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Design Consultant
Berg Engineering Consultants, Ltd.,
Mechanical, Electrical, and
Plumbing Engineer
Pease Borst & Associates, LLC,
Structural Engineer
W-T Civil Engineering, Inc.,
Civil Engineer

OWNER/CLIENT

One Hope United and IFF
Chicago, IL
Mark D. McHugh, One Hope United
Executive Director
312/949-5614

KEY STATS

Grades Served: Infant-12 years
Capacity: 212 students
Size of Site: 1.2 acres
Building Area: 21,557 sq. ft.
Building Volume: 571,000 cu. ft.
Space per Student: 101 sq. ft.
Cost per Student: \$19,700
Square Foot Cost: \$193
Construction Cost: \$4.2 million
Total Project Cost: \$5 million
Completed: Aug. 2011
**Sustainability Rating System/
Applied/Status/Level:**
LEED/Certified/Silver

PHOTOGRAPHY: DLA ARCHITECTS
(ALEXANDER ROMANOVSKY)



This new, state-of-the-art facility with 11 classrooms was designed and built on a modest budget and to reflect the surrounding neighborhood's character, culture, and scale. The Aurora Early Learning Center exhibits the playful, welcoming, and open design crucial to a successful center for children ages six weeks to 12 years, their parents, and the surrounding community.

The Learning Center includes a large motor skills room for indoor play and com-

munity use, plus staff and parent resource rooms. A spacious conference room provides for center and community-wide meetings. The plan takes advantage of wonderful views of mature trees and open fields.

The site includes playground space, with separate areas for infants/toddlers, two-year-olds, and preschool/school-age children, designed for active childhood play, as well as lawn and garden spaces—perfect for outdoor gatherings and discovery. Vegetable gardens, rain barrels,

and recycling areas are just some of the features on display in and around the building designed to show children and parents how they can incorporate environmentally friendly practices into their daily lives.

Designed to meet high-performance standards, the Aurora Early Learning Center is LEED Silver certified. The building is a community showcase for demonstrating sustainable building materials, energy conservation, and the use of renewable resources. ■



Barkley Elementary School

Fort Campbell, KY

NEW CONSTRUCTION/ ADDITION

Entire School/Campus Building

WOOLPERT

343 Fountains Pkwy., Suite 100
Fairview Heights, IL 62208
www.woolpert.com

Denise Breunig
618/632-2820

DESIGN TEAM

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Case DeVisser, RA, Design Architect

Steve Young, PE, SE,
Structural Engineer

CMTA, Mechanical and Electrical
Engineering

Oculus, Interior Design

OWNER/CLIENT

Department of Defense Education
Activity (DoDEA)/Norfolk District
Corps of Engineers – Design Center
Norfolk, VA

Bryan Burge, RA Design Center
Project Manager
757/201-7178

KEY STATS

Grades Served: Pre-K-5

Capacity: 740 students

Size of Site: 16.8 acres

Building Area: 141,139 sq. ft.

Building Volume: 1.8 million cu. ft.

Space per Student: 190 sq. ft.

Cost per Student: \$46,395

Square Foot Cost: \$243

Construction Cost:
\$34.3 million (Estimated)

Total Project Cost:
\$41.7 million (Estimated)

Expected Date of Completion:
Fall 2015

**Sustainability Rating System/
Applied/Status/Level:**
LEED/Certified/Silver/Pending

PHOTOGRAPHY: CASE DEVISSER



Barkley Elementary is one of the first schools designed under the new 21st Century Education Initiative set forth by the Department of Defense Education Activity. This leading-edge facility endeavors to provide a learning environment that accommodates multiple learning and teaching styles, thus maximizing the value of the school's curriculum.

From the rooftop learning garden to an open, inviting information center, Barkley will be a resource for the students as well as the community. Centrally located within a dense residential population at Fort Campbell, Kentucky, it will accommodate up to 740 students during the day. After hours, the information center, large commons, and gymnasium will serve as a community center for all residents on post.

The structure is oriented in an east-west direction, providing for abundant daylighting into all of the learning spaces. The major structure is insulated concrete form construction, which has helped to decrease



heating and air conditioning loads served by the building's geothermal mechanical system. The building is also equipped with LED lighting, solar water heating, and photovoltaic infrastructure.

With these assets, Barkley Elementary School is geared to improve the quality and enjoyment of education while helping to pave a new future for the next generation of well-rounded, capable individuals. ■



Robert Driscoll Elementary School

Robstown, TX

NEW CONSTRUCTION/ ADDITION

Entire School/Campus Building

GIGNAC & ASSOCIATES, LLP

416 Starr Street
Corpus Christi, TX 78401
www.gignacarchitects.com

Nick Gignac, Assoc. AIA,
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361/884-2661

DESIGN TEAM

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Rojelio Hernandez
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LEED AP, BD+C
Moon Hwi Cho, Assoc. AIA

OWNER/CLIENT

Robstown Independent
School District
Robstown, TX
Roel Lara, Interim Superintendent
of Schools
361/767-6600

KEY STATS

Grades Served: 1-5
Capacity: 700 students
Size of Site: 11.3 acres
Building Area: 77,160 sq. ft.
Building Volume: 1.2 million cu. ft.
Space per Student: 110 sq. ft.
Cost per Student: \$16,569
Square Foot Cost: \$150
Construction Cost: \$11.6 million
Completed: Aug. 2012

PHOTOGRAPHY: EDDIE SEAL



The new 77,160-square-foot Robert Driscoll Elementary School was designed for the Robstown Independent School District to house students from first through fifth grade. The design focuses on providing a central neighborhood school that unites the students from two aging campuses while incorporating an existing building to serve kindergarten students.

The positioning of this new building was influenced by providing a recreational area between the two buildings to serve both schools, creating a single elementary school campus. The proximity of the higher-level students fosters student confidence and identity while providing a safety area for younger students. Most students live within the surrounding area, which gives them the ability to walk to school; the implementation of various access points as well as drop-off and pickup areas was crucial to the design. The new campus provides an enclosed oversized walking sidewalk with mile markers to improve and promote community health.

This building is the latest and most innovative educa-



tional building in Robstown's history. This floor plan was used due to its high success as a prototype school for a neighboring school district. This design provides a centrally located learning center and community-focused activity area, which promotes social and academic interaction. ■



Trillium Creek Primary School

West Linn, OR

NEW CONSTRUCTION/ ADDITION

Entire School/Campus Building

DULL OLSON WEEKES - IBI GROUP ARCHITECTS

907 SW Stark Street
Portland, OR 97205
www.dowa-ibigroup.com

Karina Ruiz
503/226-6950

DESIGN TEAM

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Froelich Engineers, Inc.,
Structural Engineers
PAE Consulting Engineers,
Mechanical, Electrical, and
Plumbing Engineers

OWNER/CLIENT

West Linn - Wilsonville
School District
West Linn, OR
Dr. William Rhoades, Superintendent
503/673-7000

KEY STATS

Grades Served: K-5
Capacity: 500 students
Size of Site: 16.3 acres
Building Area: 68,000 sq. ft.
Building Volume: 1.2 million cu. ft.
Space per Student: 136 sq. ft.
Cost per Student: \$31,700
Square Foot Cost: \$233
Construction Cost: \$15.9 million
Total Project Cost: \$18.2 million
Completed: July 2012
**Sustainability Rating System/
Applied/Status/Level:**
LEED/Certified/Gold

PHOTOGRAPHY: PARALLEL PHOTOGRAPHY



Trillium Creek Primary School, named for the headwaters of a creek that begins within its schoolyard, is a new school in the West Linn-Wilsonville School District. Built for 500 students, the school embraces multiple elements of sustainable design and presents various features that uniquely support student learning.

The heart of the school is the multidimensional library, which serves as the center of research and inquiry for students and teachers. A student's request to "be the captain of his own learning" became one of the driving forces behind the design. The open plan of the library provides inherent flexibility for student and teacher use and offers a variety of learning environments. The "tree house" perched on the second floor allows students to meet in small groups or have a quiet space for independent learning. Its natural wood finish and brightly-colored features are beacons of the student-centered space.

Students can return from the second to the first floor of the library via an enclosed slide. The addition of the slide in this central and prominent space truly repre-



sents the great extent to which the design team went to create a place

for kids to experience fun and excitement in their school day. ■



Baker Middle School

Tacoma, WA

NEW CONSTRUCTION/ ADDITION

Entire School/Campus Building

BLRB ARCHITECTS

1250 Pacific Ave., Suite 700
Tacoma, WA 98402
www.blrb.com
Lee Fenton, AIA
253/627-5599

DESIGN TEAM

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David Boileau, AIA, Job Captain
Scott Waytashek, AIA,
Construction Administration
Steve Carter, AIA, Construction
Administration

OWNER/CLIENT

Tacoma Public Schools
Tacoma, WA
Carla Santorno
253/571-1000

KEY STATS

- Grades Served:** 6-8
- Capacity:** 750 students
- Size of Site:** 13 acres
- Building Area:** 118,320 sq. ft.
- Building Volume:** 2.5 million cu. ft.
- Space per Student:** 158 sq. ft.
- Cost per Student:** \$44,476
- Square Foot Cost:** \$282
- Construction Cost:** \$33.4 million
- Completed:** Jan. 2012
- Sustainability Rating System/
Applied/Status/Level:** *WSSP

PHOTOGRAPHY: DAN TYRPAK
PHOTOGRAPHY

*WASHINGTON SUSTAINABLE SCHOOLS
PROTOCOL



Community access, safety and security, creation of a welcoming and personalized educational environment, collaborative teaching opportunities and instructional flexibility, a technology-rich learning environment, and environmental stewardship were the leading goals for Baker Middle School's design.

Baker features grade-level organization via small learning communities. Each personalized learning community includes seven general-purpose classrooms, two science classrooms, a learning resource center, and support spaces. A ratio of one break-out space per two classrooms in each learning community facilitates the school's programmatic emphasis on individualized attention and collaborative teaching. Interior glazing and operable partitions between classrooms and corridors enhance flexibility. Open gathering spaces supporting age-appropriate social interaction and supervised relationship building are provided in the upper grade-level communities.

Sustainability was another guiding value. The school's design and construction were infused



with green elements, including onsite timber reclamation, storm-water management and rainwater harvesting, high-performance mechanical systems, transparency, natural ventilation, and a host of additional features, including a building dashboard resource measurement system.

The economic use of concrete masonry for bearing and lateral resistance allowed for much-needed student programs and technology. Durability and beauty balance gracefully with subtle shifts in color and texture in concrete block and brick veneer. ■





Blair International Baccalaureate Middle School

Pasadena, CA

NEW CONSTRUCTION/ ADDITION

Entire School/Campus Building

GKKWORKS

155 S. Fair Oaks Ave.
Pasadena, CA 91105
www.gkkworks.com
Edmund M. Einy, FAIA
626/666-6906

DESIGN TEAM

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Senior Designer
Jairo Toro, Job Captain
Octavian Geliman, Construction
Administration

OWNER/CLIENT

Pasadena Unified School District
Pasadena, CA
David R. Azcarraga, Chief Facilities
Officer
626/396-3604

KEY STATS

Grades Served: 6-8
Building Area: 34,930 sq. ft.
Square Foot Cost: \$372
Construction Cost: \$13 million
Total Project Cost: \$18 million
Completed: Sept. 2011
**Sustainability Rating System/
Applied/Status/Level:** LEED/
Certified/Silver

PHOTOGRAPHY: TOM BONNER
PHOTOGRAPHY



This new 34,930-square-foot two-story middle school located in Pasadena, California, consists of 22 general classrooms, two science classrooms, an art classroom, a multiuse space, food service, and administrative offices.

Built around a central community courtyard, the school is designed to foster, inspire, and build social responsibility, with programs to host functions including school graduations, ceremonies, and performances, and to support variable conditions for outdoor teaching. This

distinct space, separated from the outside world, is able to support and enclose the 600 students that attend the school.

The surrounding classrooms, with their large full-height courtyard facing fritted glass and operable windows, provide views, natural light, and air to the classroom interior. The classrooms are designed to maximize interaction between instructors and students with the design of a flexible three-wall teaching configuration that enables variable direction of instruction and the ability

to teach from both formal and casual settings.

The exterior concrete panel rain screen, which is green to match the school's color, gives a playful scale and identifiable form. Large windows with vertical sun-fins open like cabinet doors, giving teachers views toward the mountains and interior light from the north. The contrast of a solid outside and a transparent inside communicates the private inner world that belongs to the students who inhabit the space.

The project is currently receiving LEED Silver certification. ■



Jaime Escalante Middle School

Pharr, TX

NEW CONSTRUCTION/ ADDITION

Entire School/Campus Building

GIGNAC & ASSOCIATES, LLP

416 Starr Street
Corpus Christi, TX 78401
www.gignacarchitects.com
Nick Gignac, Assoc. AIA,
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DESIGN TEAM

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Carolyn James, AIA
Juan Mujica
Moon Hwi Cho, Assoc. AIA

OWNER/CLIENT

Pharr-San Juan-Alamo Independent
School District
Pharr, TX
Dr. Daniel P. King
956/354-2000

KEY STATS

Grades Served: 6-8
Capacity: 1,000 students
Size of Site: 40 acres
Building Area: 156,538 sq. ft.
Building Volume: 2.3 million cu. ft.
Space per Student: 157 sq. ft.
Cost per Student: \$21,403
Square Foot Cost: \$137
Construction Cost: \$21.2 million
Completed: Aug. 2012

PHOTOGRAPHY: EDDIE SEAL



Serving the growing student population in the blossoming Rio Grande Valley city of Pharr, Jaime Escalante Middle School is named after the legendary East L.A. calculus teacher, Jaime Alfonso Escalante Gutierrez.

This school layout is based on a prototype design developed by the Gignac & Associates design team for the Pharr-San Juan-Alamo School District that has been successfully utilized for the school district in the past. This facility is customized for user needs and site conditions but maintains the basic philosophy and key design features that make the prototype design a healthy learning environment.

Jaime Escalante's flexible layout allows the school district to utilize a learning community concept, which is a growing trend in educational design: Students are grouped, by grade level, into independent learning units within each classroom wing. Daylighting is introduced throughout the school, including in each learning space, and in the dining and multipurpose



spaces, through cylindrical skylights at corridor intersections, and through clerestory lighting at selected hallways.

To maintain regional appropriateness in design, the school is constructed with durable, load-bearing masonry and large,

expansive canopies that protect students from the South Texas sun and rain.

With this careful implementation of regional design, Jaime Escalante Middle School is sure to serve the area's students for many years to come. ■



Westwood Middle School

Spokane, WA

NEW CONSTRUCTION/ ADDITION

Entire School/Campus Building

NAC|ARCHITECTURE

1203 W. Riverside Ave.
Spokane, WA 99201
www.nacarchitecture.com
Melissa McFadgen, AIA, LEED AP
509/838-8240

DESIGN TEAM

MSI Engineering, Mechanical
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NAC|Engineering, Electrical
Engineering and
Telecommunications

Structural Design Northwest,
Structural Engineering

Taylor Engineering, Inc.,
Civil Engineering

Gavin Associates,
Landscape Architecture

FP Engineering, Fire Protection

OWNER/CLIENT

Cheney Public Schools
Cheney, WA

Debra Clemens, Superintendent
509/559-4599

KEY STATS

Grades Served: 6-8

Capacity: 750 students

Size of Site: 40 acres

Building Area: 110,295 sq. ft.

Building Volume: 2.2 million cu. ft.

Space per Student: 148 sq. ft.

Cost per Student: \$33,467

Square Foot Cost: \$249

Construction Cost: \$25.1 million

Total Project Cost: \$37.5 million

Completed: Aug. 2012

**Sustainability Rating System/
Applied/Status/Level:** *WSSP

PHOTOGRAPHY: MICHAEL HOLLINGWORTH

*WASHINGTON SUSTAINABLE SCHOOLS
PROTOCOL

NAC|Architecture designed two 110,295-square-foot middle schools with nearly identical floor plans for Cheney Public Schools. Constructed at the same time on two different sites, one is north of the existing middle school, and the second, Westwood Middle School, is located on a treed, semirural site.

The schools' design consists of three wings serving specific grade levels, with the 21 mainstream classrooms, three project rooms, and accompany-

ing commons space distributed evenly among the wings. The wings splay from a central commons, with the smaller commons spaces within each wing offering options for a variety of smaller group learning activities. The classrooms include operable walls that can be opened or closed based upon instructional needs. Each school also includes three science classrooms; band and choral suites; two resource rooms; a developmental learning center suite; library/media

center; and a gymnasium with locker facilities and wrestling/multipurpose room.

The schools were designed to meet the Washington Sustainable Schools Protocol, integrating environmentally conscious design strategies in the building systems, finishes, orientation, and site development.

With community access in mind, the school was designed so specific sections of the building can be opened for after-hours use while securing the remainder of the building. ■





HIGH SCHOOL

Jefferson High School

Jefferson, WI

RENOVATION/ ADAPTIVE REUSE/ RESTORATION

Entire School/Campus
Building

PLUNKETT RAYSICH ARCHITECTS, LLP

11000 W. Park Place
Milwaukee, WI 53224
www.prarch.com

Scott Kramer
414/359-3060

DESIGN TEAM

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Project Manager

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Project Designer

Heidi Kramer, Project Architect

Brian Scheibel, Project Architect

Paulette Billington, Interior Designer

Jason Puestow, Director of
Construction Administration,
Construction Administrator

OWNER/CLIENT

School District of Jefferson
Jefferson, WI

Michael Swartz, Former
Superintendent
920/675-1000

KEY STATS

Grades Served: 9-12

Capacity: 12,612 students

Building Area: 243,110 sq. ft.

Space per Student: 19 sq. ft.

Cost per Student: \$2,561

Square Foot Cost: \$133

Construction Cost: \$32.3 million

Total Project Cost: \$34.2 million

Completed: Aug. 2012

PHOTOGRAPHY: WESTON IMAGING GROUP, LLC



The Jefferson School District engaged us to assess the condition of its existing high school. The facility was found to be lacking many qualities of a 21st century learning environment. A major renovation was recommended, including the demolition of approximately half of the existing facility and a repurposing and complete renovation of the areas that remained. The project would be done in five phases so the building could remain opera-

tional during construction, and would include 125,200 square feet of new construction and 117,910 square feet of renovated space.

On the east side of the existing building, a new gymnasium, cafeteria/commons, and pool were created, while a new two-level classroom wing was constructed on the west side. The existing gymnasium became the new library, and the existing pool became the new auxiliary gym. Subsequently, 75,000 square

feet of the existing building were removed, and a secure main entrance was created, along with new administrative offices. A transverse corridor was also created to allow easy access to the varying levels of the facility.

Two years later, Jefferson High School provides a 21st century learning environment in a beautifully daylight facility with state-of-the-art classrooms, accessibility, and acoustics. ■



HIGH SCHOOL

Pinole Valley High School

Pinole, CA

NEW CONSTRUCTION/ ADDITION

Entire School/Campus
Building

WLC ARCHITECTS, INC.

2600 10th Street, Suite 500
Berkeley, CA 94710
www.wlcarchitects.com

Kevin MacQuarrie, AIA
510/450-1999

DESIGN TEAM

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Associate, Project Architect

Michael Terry, Project Architect

Janice Yeh, Architect

Tito Portea, Project Manager

Carylon Tyler, Architect

OWNER/CLIENT

West Contra Costa Unified
School District
Richmond, CA

Dr. Bruce Harter, Superintendent
510/213-1101

KEY STATS

Grades Served: 9-12

Capacity: 1,600 students

Size of Site: 22.5 acres

Building Area: 265,000 sq. ft.

Space per Student: 165 sq. ft.

**Sustainability Rating System/
Applied/Status/Level:** *CHPS

*COLLABORATIVE FOR HIGH-PERFORMANCE
SCHOOLS



“Historic modern” was a phrase coined during the collective design effort from the Site Committee members of Pinole Valley High School. The design of this new high school pays homage to local historic buildings and traditional Ivy League collegiate materials and forms, while incorporating modern spatial concepts and finishes.

As you approach the campus, the three-story classroom building with the administrative offices on the first floor provides security surveillance and ease of wayfinding for visitors. The two-story library and the performing arts buildings establish a prominent street presence.

The design goal was 100 percent student engagement; the design employs spaces that strive to motivate students and encourage collaboration. In the main academic building there is a three-story open forum with built-in seats, display niches, WiFi, and projector screen to enhance activities such as students’ club meetings, informal gatherings, lectures, studies, or science fairs.

The outdoor quad was designed to serve as a programmatic extension of the library; built-in seating and gathering places, including an amphitheater, energize and support a myriad of student activities.

The design also features a 600-seat theater and a 2,000-seat gymnasium capable of after-hours joint use. The building design and material component selections meet Collaborative for High-Performance Schools criteria and exceed the California Energy Code by 25 percent. ■



West Bristol School

Bristol, CT

NEW CONSTRUCTION/ ADDITION

Entire School/Campus Building

DRUMMEY ROSANE ANDERSON, INC.

225 Oakland Road, Studio 205
South Windsor, CT 06074
www.draarchitects.com

James A. Barrett, AIA, REFP, LEED
860/644-8300

DESIGN TEAM

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(CES), Mechanical, Electrical, and
Plumbing Engineers

Milone & MacBroom, Landscape
Architecture, Civil Engineer
Gilbane Building Company,
Construction Manager

OWNER/CLIENT

Bristol Public Schools
Bristol, CT

Ellen Solek, Ed.D., Superintendent
860/584-7000

KEY STATS

Grades Served: K-8

Capacity: 900 students

Size of Site: 26 acres

Building Area: 123,000 sq. ft.

Building Volume: 1.4 million cu. ft.

Space per Student: 137 sq. ft.

Cost per Student: \$37,916

Square Foot Cost: \$277

Construction Cost: \$34.1 million

Total Project Cost: \$43 million

Completed: Aug. 2012

**Sustainability Rating System/
Applied/Status/Level:**
LEED/Silver/Equivalent

PHOTOGRAPHY: GREG PREMRLU



After a series of studies, Bristol Public Schools reconfigured its grade structure to grades kindergarten through 8 and grades 9 through 12. Initially, the city hoped to build one new kindergarten through eighth-grade school and renovate two elementary schools, but cost implications ultimately led to a plan for two new schools.

West Bristol School is located on a 26-acre site of a dormant farm. A significant challenge was to choreograph the circulation to control the confluence of the younger and older student bodies. The radial plan with self-sufficient wings separates each "school" while interaction can be planned in spaces like the lobby, library, and cafeteria. Panels with specific graphics associated with either the middle or elementary school aid in wayfinding.

The design includes classroom space for 100 students per grade and offers flexibility in the gym, media center, and cafeteria to support a variety of academic and community functions. The cafeteria is zoned with moveable panels that subtly separate the elementary and middle school populations. Outdoor seating and perching stones provide gather-



ing space. Breakout spaces are carved out in the corridors with accent lighting, canopies, "sitting islands" on the floors, and trans-

lucent marker boards for small group assembly. Large murals relate historical information about Bristol and Connecticut. ■