

# 2013 Exhibition of School Planning and Architecture

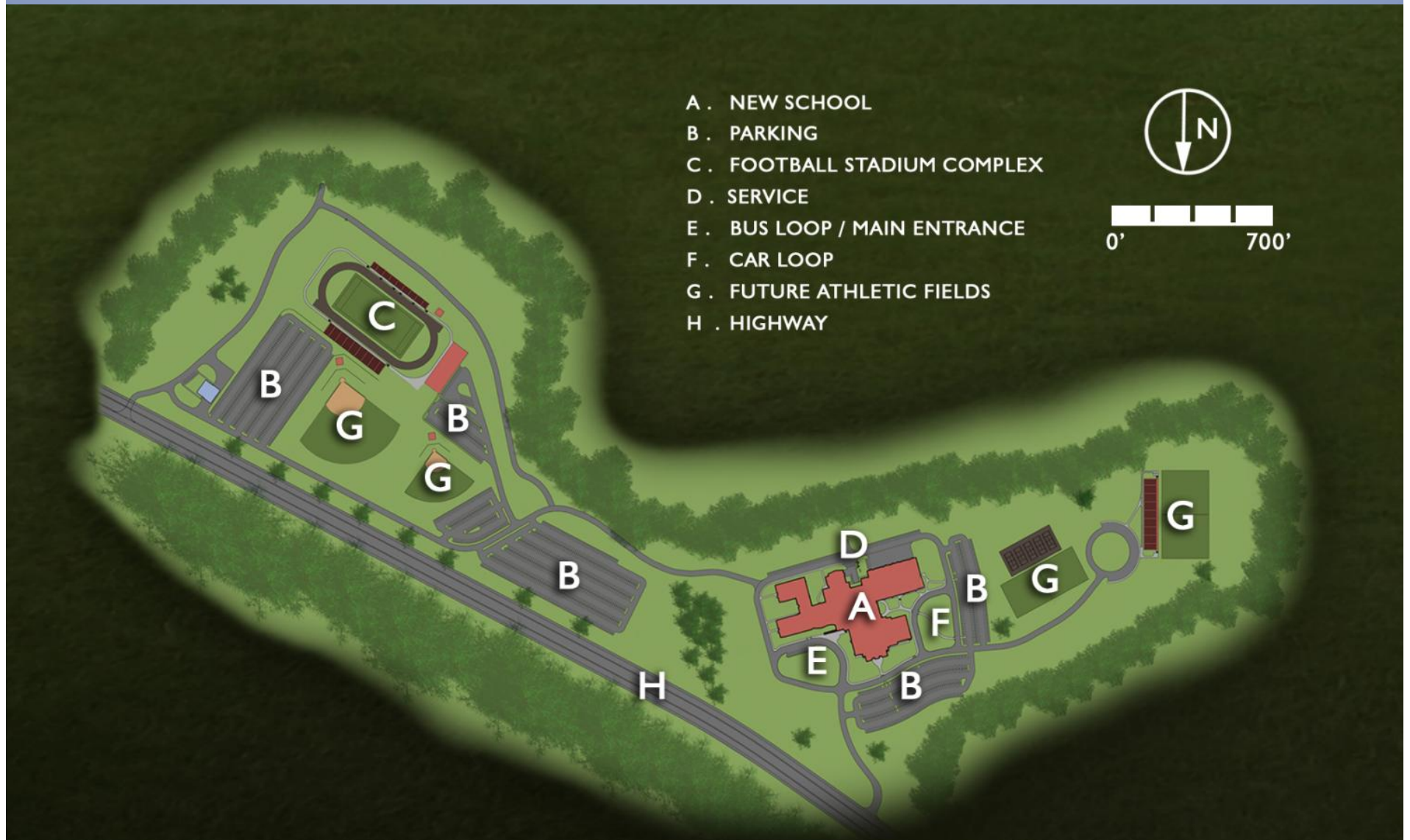
## Mingo Central High School

Newtown, West Virginia  
Mingo County Schools

# Mingo Central High School



# Mingo Central High School





## Community Environment

The project is a realization of the Owner's 15 year old dream to replace four aging high schools with an educational facility centered on offering skills to compete in the international marketplace of the 21st century. This 856 student building includes basic skills classrooms combined with applied and advanced computer labs, science, math, communications, and a comprehensive career and vocational education center.



Southern WV is generally comprised of rugged terrain with steep mountains and deep river valleys prone to flooding. For this reason, large tracts of land that meet the state standards for new high school construction are rare in this part of the state. The funding was largely provided by the State of West Virginia but access roads, utilities and unusual site preparation are not within the state's budget guidelines. The proposed site provided a unique opportunity and outcome. The project site was located on a remote mountain top in a sparsely populated area of Mingo County, approximately fifteen miles east of the county seat of Williamson, WV.

## Community Environment

The plan emphasizes the ability to share large portions of the building with the community for after-school use. The dining room, media center, gymnasium, and performing arts areas are centrally located in the plan, with convenient access to parking. These community spaces were designed to allow for after hours usage, while maintaining the security of the adjoining academic and technology zones.



Additional features of interest in the building include a 675 seat auditorium, a 2000 seat oversized gymnasium with VIP seat back seating and upper-level running track, commercial food careers training facility, pre-engineering lab, health careers lab, and a graphic art careers classroom.





## Learning Environment

The building plan took its form through the desire to separate the school into zones based upon usage. The academic zone is oriented around a central court which provides natural light to nearly all of the teaching spaces. The comprehensive career and technology zone is located on the opposing side of the centrally located common spaces.



## Physical Environment

The owner received from the private sector a donation of approximately 80 acres of virtually flat land, as well as water and sewer to serve the school. The 80 acre developed site currently contains the new school and a 4000 seat football stadium. The second phase of site development, which includes varsity baseball, softball, track, and soccer fields is underway.



The gymnasium, auxiliary gymnasium, and locker rooms were placed one level down from the main level of the building. This allowed the building to conform with the slope of the site left at the conclusion of the highway development process. Additionally, this offered the added benefit of reducing the apparent mass of these large building elements as seen from the new highway.



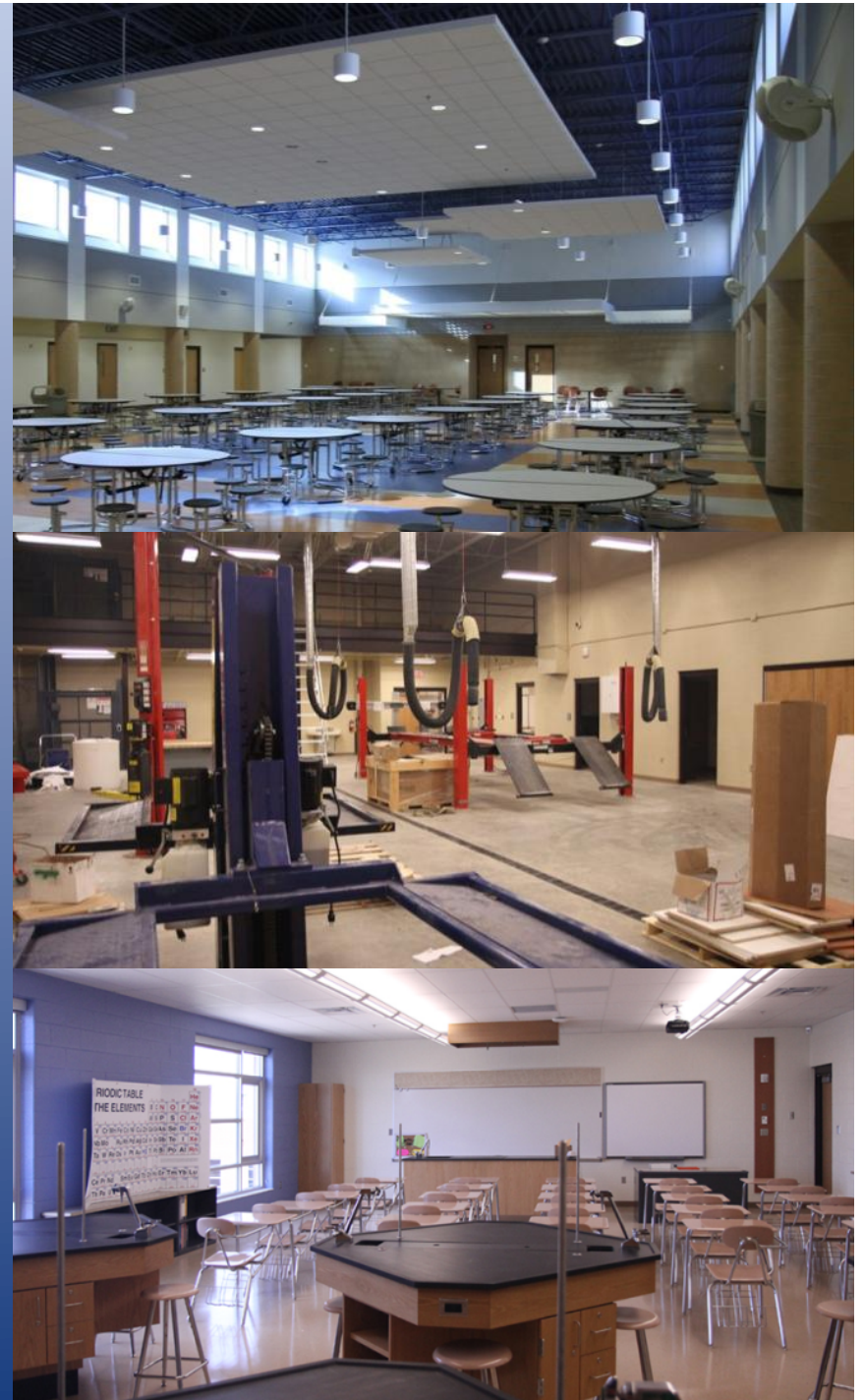
## Planning Process

The project is a consolidation of three existing Mingo County high schools. All three high schools are experiencing a declining enrollment.

In December, 2003, the Mingo County Board of Education was awarded funding from the School Building Authority of West Virginia to construct this project. In addition to the above finances, private businesses are preparing the site and providing all utilities to the building. Private businesses are also providing funding for building upgrades and outside athletic facilities for the new high school.

Beginning with the planning during the CEFPP in 1998 and continuing through the present, a number of committees have worked and are working on the planning of this new high school. Various committees have been planning for the needs of all curricular areas, administrative, custodial, maintenance and support needs. These committees continued to provide input throughout the completion of the basic educational specifications as well as the design and construction of the project.

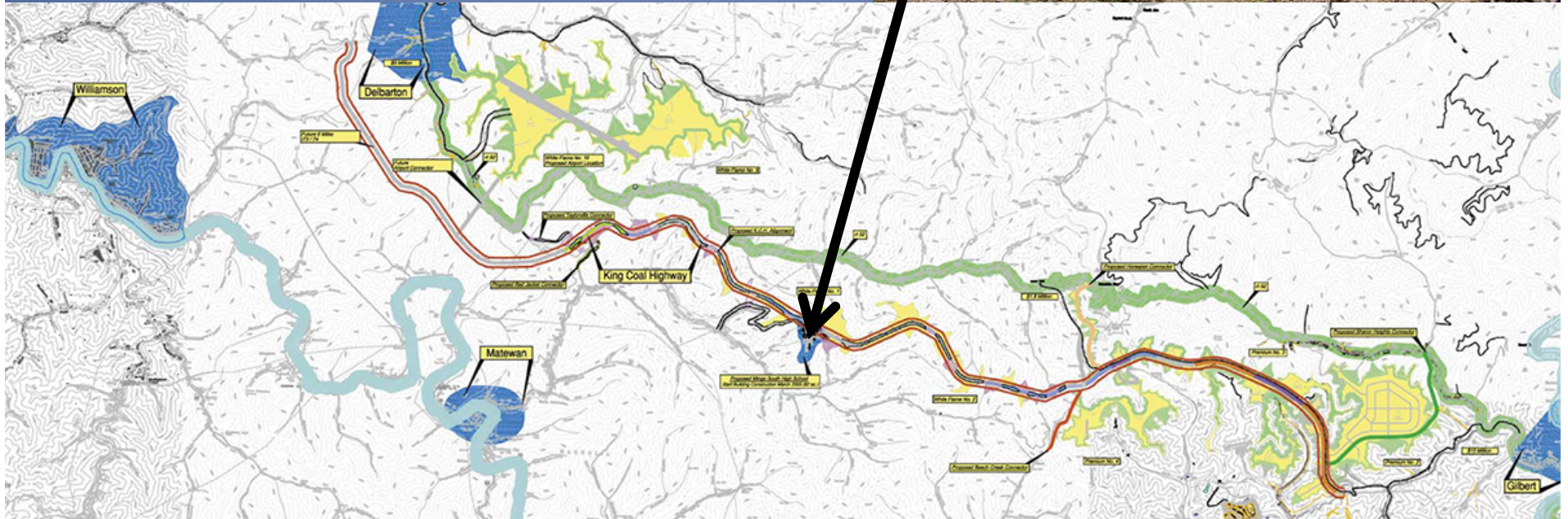
After over 10 years of planning, design, and construction, the combined efforts of educators, community leaders, and architects have made this new high school for Mingo County a reality.





## Planning Process

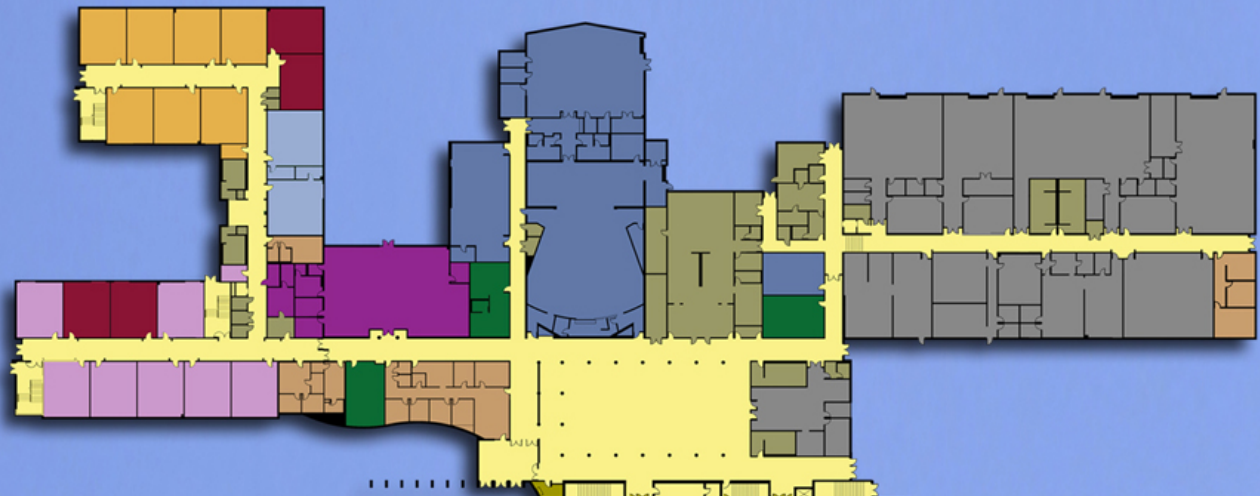
During the planning of the school project a public / private partnership was developed to complete a twelve mile section of the King Coal Highway (future interstate 73/74). The proposed plan was submitted to the State and Federal Government whereby the private sector would provide the roadbed and utilities while the public sector paved the road. This was not an easy task, as the road was being constructed atop the uneven mountains.



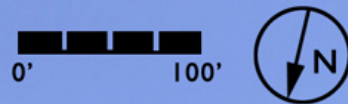













SECOND FLOOR PLAN

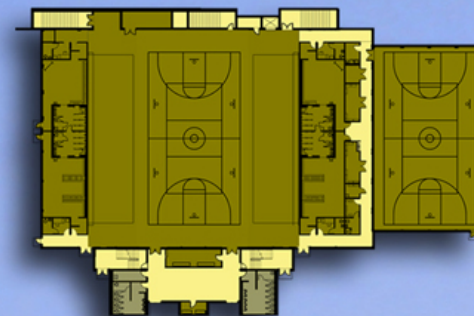


FIRST FLOOR PLAN



### COLOR PLAN KEY

 SCIENCE	 COMPUTER
 BUSINESS	 SOCIAL STUDIES
 MATH	 MEDIA CENTER
 CIRCULATION	 LANGUAGE ARTS
 CLASSROOM	 ADMINISTRATION
 SUPPORT	 VO-TECH
 AUDITORIUM/ARTS	 GYMNASIUM UPPER/LOWER
 FOREIGN LANGUAGE	



LOWER GYMNASIUM PLAN



# Exhibition of School Planning and Architecture

## Project Data

Submitting Firm :	Williamson Shriver Architects, Inc.
Project Role	Architects
Project Contact	Ted A. Shriver
Title	Principal Architect
Address	717 Bigley Ave.
City, State or Province, Country	Charleston, WV 25302, USA
Phone	304-345-1060

Joint Partner Firm:	Tower Engineering, Inc.
Project Role	Electrical and Mechanical Design
Project Contact	
Title	
Address	115 Evergreen Heights Drive, Suite 400
City, State or Province, Country	Pittsburgh, PA 15229
Phone	412-931-8888

Other Firm:	Terradon Corporation
Project Role	Site & Civil Design
Project Contact	
Title	
Address	PO Box 519
City, State or Province, Country	Nitro, WV 25143
Phone	304-755-8291

Construction Firm:	Neighborgall Construction Co.
Project Role	General Trades Contractor
Project Contact	
Title	
Address	1216 Seventh Ave
City, State or Province, Country	Huntington, WV 25701
Phone	304-525-5181

# Exhibition of School Planning and Architecture

## Project Details

Project Name	Mingo Central High School
City	Newtown
State	West Virginia
District Name	Mingo
Supt/President	Randy Keathley
Occupancy Date	August 2012
Grades Housed	9-12
Capacity(Students)	856
Site Size (acres)	75
Gross Area (sq. ft.)	176,380
Per Occupant(pupil)	206
gross/net please indicate	gross
Design and Build?	
If yes, Total Cost:	
Includes:	
If no,	
Site Development:	\$1,449,777
Building Construction:	\$26,608,591
Fixed Equipment:	\$2,099,695
Other:	\$420,000
Total:	\$30,578,063