

The New
Nicholas County Comprehensive High School

Summersville Middle School

Nicholas County Board of Education

**Program of Spaces for CTE Facility
at the Glade Creek Property**

Prepared by ZMM, Inc., Architects & Engineers

August 17, 2018

Projected Enrollment = 1,400 Grades 6-12

		No.		Size	Ext.	Subtotal	Acres
AG0130 Forest Industry							
AG0210 Plant Systems Technology							
c1.	Plant Systems Classroom	1	@	950	950		
c2.	Classroom Machinery and Material Storage	1	@	600	600		
c3.	Lab Greenhouse Area	1	@	1,000	1,000		
c4.	Lab Machinery and Material Storage	1	@	600	600		
c5.	Greenhouse	1	@	1,200	1,200		
c6.	Instructor's Office	1	@	150	150		
c7.	Outside Classroom Area						4
						4,500	

Provide Outside Classroom space for a Garden area, Greenhouses, Sawmill and Lumber storage area. Provide enough area for expansion and lay down area for log storage and delivery prior to cutting. Area must include space for large equipment storage and maneuvering large trucks.

								No.	Size	Ext.	Subtotal	Acres
AR1600 HVAC Technician Program												
d1.	HVAC Classroom	1	@	1,000	1,000							
d2.	HVAC Laboratory	1	@	3,000	3,000							
d3.	Instructor's Office	1	@	125	125							
d4.	Outside Classroom Area									3		
										4,125		

Provide Outside Classroom space for Delivery and Storage of HVAC Equipment as well as working on Outside Equipment. There must be enough space for placing HVAC equipment on roof Curbs and simulating real life situations.

								No.	Size	Ext.	Subtotal	Acres
AR1820 Carpentry Program												
e1.	HVAC Classroom	1	@	1,000	1,000							
e2.	HVAC Laboratory	1	@	3,000	3,000							
e3.	Instructor's Office	1	@	125	125							
e4.	Outside Classroom Area									3		
										4,125		

Provide Outside Classroom space for Delivery and Storage of lumber and equipment. There must be enough space for working on projects and building small storage buildings and storing them for sale. Additionally there should be enough room for building "tiny houses" for competition and sale. Students will also be working on modular homes on site.

								No.	Size	Ext.	Subtotal	Acres
GO1070 JROTC Program												
f1.	Classroom	1	@	750	750							
f2.	Training Aids Storage	1	@	300	300							
f3.	Property Storage	1	@	650	650							
f3.	Air Rifle Storage Room	1	@	250	250							
f4.	Instructor's Office	1	@	125	125							
f5.	Instructors Office and Shower	1	@	180	180							
f6.	Boy's Locker Room	1	@	200	200							
f7.	Girl's Locker Room	1	@	200	200							
f8.	Drill Room/Indoor Range	1	@	2,500	2,500							
f9.	Outside Classroom Area									5		
										5,155		

Provide Outside Classroom areas for an Outside Shooting Range, Obstacle Course, Drill area and Additional space for Fitness Training.

HE0723 Therapeutic Services Program							
		No.		Size	Ext.	Subtotal	Acres
g1.	Health Science Theory Classroom	1	@	1,125	1,125		
g2.	Equipment Simulation Laboratory	1	@	2,000	2,000		
g3.	Equipment/Storage Area	1	@	200	200		
g4.	Instructor's Office	1	@	125	125		
g5.	Restrooms	2	@	70	140		
g6.	Utility Area	1	@	125	125		
g7.	Boy's Locker Room	1	@	200	200		
g8.	Girl's Locker Room	1	@	200	200		
						4,115	

HO1010 Pro-Start Restaurant Management Program							
		No.		Size	Ext.	Subtotal	Acres
h1.	Classroom	1	@	1,320	1,320		
h2.	Equipment Simulation Laboratory	1	@	2,400	2,400		
h3.	Equipment/Storage Area	1	@	200	200		
h4.	Instructor's Office	1	@	125	125		
						4,045	

MA1980 Welding Program							
		No.		Size	Ext.	Subtotal	Acres
i1.	Classroom	1	@	1,000	1,000		
i2.	Instructional Area	1	@	3,000	3,000		
i3.	Boy's Locker Room	1	@	200	200		
i4.	Girl's Locker Room	1	@	200	200		
i5.	Instructor's Office	1	@	125	125		
i6.	Outside Classroom Area						3
						4,525	

Provide Outside Classroom Area for the storage of large materials. Large steel pieces and pipe will be stored on racks outside the Weld Shop in covered areas. There should be room for maneuvering trucks and lifts for the larger pieces of steel. There should also be room to work and teach outside in real world situations. Some of the air and gas tanks will be stored outside in fenced areas.

		No.		Size	Ext.	Subtotal	Acres
ST2460 Pre-engineering - Project Lead the Way Program							
j1.	Classroom	1	@	1,000	1,000		
j2.	Instructional Area	1	@	3,000	3,000		
j3.	Boy's Locker Room	1	@	200	200		
j4.	Girl's Locker Room	1	@	200	200		
j5.	Instructor's Office	1	@	125	125		
j6.	Outdoor Classroom Space						2
						4,525	

Provide Outside Classroom Area for the delivery of equipment, supplies and project development.

		No.		Size	Ext.	Subtotal	Acres
TR1620 Automotive Technology Program							
k1.	Classroom	1	@	1,000	1,000		
k2.	Instructional Area	1	@	3,000	3,000		
k3.	Boy's Locker Room	1	@	200	200		
k4.	Girl's Locker Room	1	@	200	200		
k5.	Instructor's Office	1	@	125	125		
k6.	Outdoor Classroom Space						3
						4,525	

Provide Outside Classroom Area for the delivery of Automobiles, Equipment and Parts. Enough room should be available for maneuvering and storage of several automobiles in various stages of repair. Students should be able to have enough room to provide a safe working environment around the automobiles.

		No.		Size	Ext.	Subtotal	Acres
AR1760 Electrical Technician							
k1.	Classroom	1	@	1,000	1,000		
k2.	Instructional Area	1	@	3,420	3,420		
k3.	Instructor's Office	1	@	150	150		
k4.	Storage Room	1	@	80	80		3
						4,570	

		No.		Size	Ext.	Subtotal	Acres
AR1800 Building Maintenance Operations Program							
k1.	Classroom	1	@	1,000	1,000		
k2.	Instructional Area	1	@	3,420	3,420		
k3.	Instructor's Office	1	@	150	150		
k4.	Storage Room	1	@	80	80		3
						4,570	

		No.		Size	Ext.	Subtotal	Acres
TR1670 Collision Repair Technology							
k1.	Classroom	1	@	1,000	1,000		
k2.	Instructional Area	1	@	3,420	3,420		
k3.	Instructor's Office	1	@	150	150		
k4.	Storage Room	1	@	80	80		3
						4,570	

		No.		Size	Ext.	Subtotal	Acres
TR1960 Power Equipment Systems							
k1.	Classroom	1	@	1,000	1,000		
k2.	Instructional Area	1	@	3,420	3,420		
k3.	Instructor's Office	1	@	150	150		
k4.	Storage Room	1	@	80	80		3
						4,570	

		No.		Size	Ext.	Subtotal	Acres
TR1740 Diesel Equipment Technology Program							
k1.	Classroom	1	@	1,000	1,000		
k2.	Instructional Area	1	@	3,420	3,420		
k3.	Instructor's Office	1	@	150	150		
k4.	Storage Room	1	@	80	80		3
						4,570	

General Acreage for Classroom and Accessibility for Services		17
Acreage for Outdoor Classroom, Learning Spaces and Building Services		23

Acreage Required	40
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Acreage listed is for the actual building spaces as well as the outdoor learning areas. Additional space is added for servicing all areas of the CTE Program. All general shop areas need additional space for general placement and traffic flow around the actual facility for both general access and fire department access.

Career Technical Center (CTE) Subtotal	62,490
Circulation Area, Walls etc. @ 30%	18,747

Career Technical Center Total	81,237
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