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AE 481W

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Building Statistics Part 1

General Building Data



Building Name: Science, Technology, Engineering and Math (STEM) Building

Location: 11400 Robinwood Drive, Hagerstown, MD 21742

Building Occupant Name: Hagerstown Community College (HCC)

Function: Academic Building

Size: 62,000 gross sq. ft.

Stories: 5

Time of Construction: June 4, 2010 – November 30, 2011

Cost: \$15.6 M GMP

Project Delivery Method: Design-Bid-Build

Project Teams

Title	Company	Address	Contact Info.
Owner	Hagerstown Community College	Robinwood Drive Hagerstown, MD 21742	www.hagerstowncc.edu/
General Contractor	HESS Construction + Engineering Services	804 West Diamond Avenue Suite 300 Gaithersburg, Maryland 20878	www.hessedu.com/
Architect	Cho Benn Holback + Associates	100 North Charles Street 14 th Floor Baltimore, MD 21201	www.cbhassociates.com/
Civil Engineer	Triad Engineering, Inc.	1075 Sherman Avenue Hagerstown, MD 21740	www.triadeng.com/
Landscape Architect	Mahan Rykiel Associates, Inc.	800 Wyman Park Drive Suite 100 Baltimore, MD 21211	www.mahanrykiel.com/
Structural Engineer	Keast & Hood Co.	1850 M Street Northwest Washington, DC 20036	www.keasthood.com/
MEP Engineer	James Posey Associates, Inc.	3112 Lord Baltimore Drive Maryland 21244	www.jamesposey.com/
Acoustic Engineer	Shen Milsom Wilke	3300 North Fairfax Drive Suite 302 Arlington, VA 22201	www.smwinc.com/
Lab Planners	SST Planners	1501 Wilson Boulevard Suite 507 Arlington, VA 22209	www.sstplanners.com/

Architecture

The new Science, Technology, Engineering and Math (STEM) Building at the Hagerstown Community College (HCC), Hagerstown, MD will be the newest academic addition to the college. The STEM Building will be five-stories tall and comprised of laboratories, classrooms, and faculty offices. It will be located in between the current Science Building and Classroom Building on the Northwest end of campus. The STEM Building will be built into a hillside making one entrance on the first floor, one entrance on the second floor, and the main entrance

on the third floor. Exterior steps and landings located on the southwest side of the building will connect all three entryways.

Authorities Having Jurisdiction:

- Washington County Department of Buildings
- Maryland Department of General Services
- Maryland Department of Labor, Licensing and Regulation (DLLR) - Elevator Safety Inspection Unit

Codes:

- International Building Code - IBC 2006
- National Fire Protection Agency - NFPA 101 2006
- Uniform Fire Code - NFPA 1 2006
- International Mechanical Code - IMC 2006
- International Plumbing Code - IPC 2006
- National Electric Code - NEC 2005
- International Energy Conservation Code - IECC 2006
- Maryland Accessibility Code - MAC 2006
- Elevator and Escalator Safety Code ASME A17.1 2000 (with addenda)
- ASHRAE - Latest 90.1
- Code of Maryland Regulations - COMAR

Zoning: The main campus buildings are zoned “RS” for residential, suburban district. The rear area of the campus contains athletic fields, amphitheater, and bathrooms which is zoned “A” for agricultural district.

Historical Requirements: Not applicable.

Building Enclosure

Building Facades: The HCC STEM Building enclosure is comprised of insulated glass, brick veneer, anodized aluminum and metal panels.

Roofing: The STEM Building will be implementing a styrene-butadiene-styrene (SBS) modified bituminous membrane roofing system as well as a thermoplastic polyolefin (TPO) roofing system.

Sustainability

Although the STEM Building will not be striving to achieve LEED accreditation, it will be following all the same guidelines as the LEED certification process. Some sustainable features being implemented on the building will be solar panels, green roofs and low water toilets. There will also be wind turbines, a cistern to collect rainwater, automatic temperature controls, and geo-thermal heating/cooling wells.