

# CENTER FOR ADVANCED MANUFACTURING



## CONSTRUCTING THE COMMUNITY'S WORKFORCE

**Ozarks Technical Community College's future Center for Advanced Manufacturing (CAM)** is designed to close the skills gap for local employers by serving as the regional hub for all advanced manufacturing and technology training. The CAM building will be located at the prominent southeast intersection of the Springfield campus. The 120,000 square-foot facility will be the first of its kind in Missouri, combining state of the art classrooms with hands on learning labs that emphasize the clean nature of today's manufacturing facilities. The 520' long building is comprised of a two-story stack of classrooms, labs and administrative offices to the north and a two-story high bay lab/manufacturing space on the south. The main entrance brings visitors into a two-story lobby space and features a large presentation staircase and event room.

### PROJECT DELIVERY METHOD

Design-Bid-Build

### CONSTRUCTION TIMELINE

Groundbreaking Nov. 2020

### PROJECT BIDDING

Oct. 2020  
(out to bid, Sept. 2020)

### EXTERIOR DESCRIPTION

The building envelope consists of brick, curtain wall and aluminum store-front glass, aluminum expanded metal panels and flat aluminum wall panels. Roof area is approximately 76,000 square-feet white TPO.

The site consists of a large concrete pedestrian plaza along the north side with native/adaptive trees, shrubs and perennial plantings along with large recessed bio-retention basins consisting of native vegetation to receive much of the on-site storm water to meet water quality goals.

**OZARKS TECHNICAL  
COMMUNITY COLLEGE**

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## FOR QUESTIONS, CONTACT:

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### INTERIORS DESCRIPTION

Floors will be ground and polished concrete, sealed concrete and carpet tile.

Ceilings will be exposed steel deck painted with tectum infill panels, lay-in tile, and exposed acoustical steel deck painted.

Walls will be painted gypsum board.

### MECHANICAL DESCRIPTION

The building will be served by high efficiency air cooled chillers, indoor air handling units and VAV boxes.

Natural gas will serve the boilers and domestic water heaters.

### STRUCTURAL DESCRIPTION

Conventional shallow spread footings.

South side of the building will be an 8" slab on grade while the North half will be a 4" slab.

Framing consists of conventional structural steel with both interior and exterior walls made from non-load bearing light gauge metal framing.

### FIRE PROTECTION DESCRIPTION

The entire new CAM building will be provided with an automatic, wet fire sprinkler system.

The IT server rooms shall be provided with a clean agent system.

### ELECTRICAL DESCRIPTION

The building will be served by a new dedicated electric service consisting of two new 3000 amp main breaker, 480/277V service entrance switchboards. Step-down transformers internal to the building will serve 208V and 240V electrical panelboard equipment.

Building lighting to be LED throughout with control by a digital lighting controls system.