# MORTON HOSPITAL EXPANSION

TAUNTON, MA

Owner | Steward Healthcare

Construction Manager | Suffolk Construction Company

Architect | Steffian Bradley Architects

MEP Engineer | Bard, Rao + Athanas Consulting Engineers

Structural Engineer | Goldstein-Milano LLC

Civil Engineer | Stantec

Occupancy | Hospital

A one story addition connected to a two

story 100,000 SF existing hospital

\$23.1 Million GMP Cost |

Schedule | Phase One: 16 week duration

Phase Two: 40 week duration

Project Delivery | Design-Build



(Image courtesy of Steffian Bradley Architects)

**Heating** | The existing hospital low pressure steam system supplies the addition, using the steam to provide heat via heat exchangers.

Chilled Water | Existing hospital distributed chiller plant, as well as an additional 155 ton air cooled chiller, supply the chilled water to the addition.

> AHUS | Two modular AHUS will be utilized. Phase 1 will use a 2500 CFM rooftop packaged DX unit, while phase 2 will be provided by a 35000 CFM roof mounted chilled water AHU.



Spaces | Expansion will include an Emergency Department, Psych Ward, MRI, treatment and triage rooms, decontamination and isolation rooms.

Facade | Exterior walls will be a brick veneer and composite metal panels. Windows will utilize a aluminum storefront system with insulated spandrel alass.

Floor Slab | 5 inch normal weight concrete slab on grade with 8 inch thick crushed stone based

**Lateral** | The lateral force resisting system is steel moment frames on the exterior of the building.

Roofing | A 2-1/2 inch light weight concrete fill on 3" 20 GA. metal deck is used for roof slab construction, and was design to be utilized as a floor slab for future expansion.

**Distribution** | One 480/277 V transformer distributes power to two 3 phase, 4 wire distribution panels. The distribution panels supply the air handling units, exhaust fans, pumps, and motors.

Both fluorescent and LED lighting is used. An inverter is used to convert AC to DC power, in order for LED lights to utilize an electronic dimming