

# RTM DELIVERS EXPEDITED SOLUTIONS TO COVID-19 PATIENT SURGE PROBLEMS WITH MINIMUM TIME AND COST IMPACT

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Before and after of UChicago Medicine 6,000 sq.ft. shell space

## UChicago Medicine Adult Emergency Department - Chicago, IL Project Timeline: 1 week

UChicago Medicine contacted RTM about adding ventilation to a back-of-house corridor where the emergency department staff had been screening patients for COVID-19. Within 24 hours, RTM had reviewed the as-built drawings of the area, developed concept plans, and met with a team of contractors and the owner's representative to develop a strategy. When the medical center decided to expand their operational area into a 6,000-square-foot shell space adjacent to the corridor, RTM immediately changed the design, worked with the contractors to source readily available materials, and was able to expand the system to properly meet air-change requirements. All construction was complete, and the space was fully operational within one week of RTM initially being contacted.



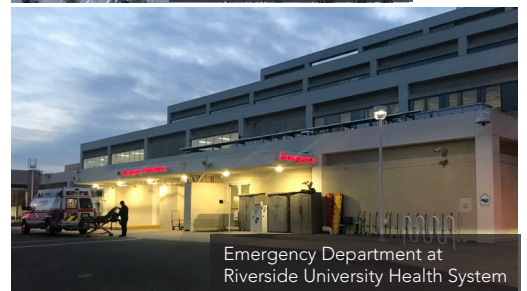
Before and after of UChicago Medicine corridor with commercial rooftop units

## Riverside University Health System - Moreno Valley, CA Project Timeline: Less than 3 weeks

RTM was contacted by Riverside University Health System to assist in converting three wings on the second floor of the hospital into approximately 90 COVID-19 patient beds, as well as a major portion of the emergency department into 100% exhaust/negative pressure condition. The project not only included hyper-expedited engineering services, but also involved fast-tracking a study to find the best solution given that the hospital has structural limitations and cooling deficiencies in the summer months. Working closely with our local sub consultants and vendor (Norman S. Wright), 6 high-plume, lab-style exhaust fans were procured in less than 2 weeks, and 6 makeup air heat pumps in less than 3 weeks. Fast-thinking creativity resulted in a design that enabled quick construction, as well as allowed the hospital the flexibility to use the equipment for any future pandemic conditions.



Aerial view of Riverside University Health System



Emergency Department at Riverside University Health System