



Disaster Response + Essential Services COVID-19 Response

Jensen Hughes Services for Healthcare Alternate Care Site Conversions

As the impacts and implications of coronavirus (COVID-19) unfold, it is becoming increasingly important to be as proactive as possible. We are available to assist the U.S. Army Corps of Engineers (USACE), the Department of Health and Human Services (DHHS) and Federal Emergency Management Agency (FEMA) in their efforts to convert buildings into Alternate Care Sites (ACS).

Our global team, which includes the largest number of registered fire protection engineers, is ready to support you where you need us.

ALTERNATE CARE SITES (ACS) SERVICES

Our team can support the conversion of existing facilities into Alternate Care Sites across a diverse set of occupancies including:

- + Hotels
- + Assembly: Convention Centers, Arenas
- + Higher-Ed.: Residence Halls, Gymnasiums
- + Healthcare: Shuttered Hospitals and Nursing Homes, Existing Hospitals and Nursing Homes

Services for Alternate Care Site Assessment, Implementation, and Maintenance to USACE / FEMA Specifications include:

Fire Protection + Life Safety

- + Fire Protection Consulting for Facility Conversion to NFPA 99 Category 3 Standards
- + Hazardous Materials Separation and Storage Consulting
- + Code Consulting
- + Fire Hazard Analysis

Electrical Engineering

- + Primary and Backup Power Assessment
 - Existing power panel per floor/room review
 - Capability for routing and connection of emergency power
 - Sizing and hazard-resistant placement of backup power generators and transformers
- + Communication/Wi-Fi Capacity Assessment and Design Support

Mechanical Engineering

- + Patient In-Room Negative Pressure Differential Capability Assessment
 - Existing HVAC review (AHU, PTAC)
 - Existing duct static pressure capacity
 - Validate clean zones remain free from patient return air
- + Water and Sanitary Capacity Assessment
 - Connection review
 - Water heater capacity review

Structural Engineering

- + New Equipment Load Assessment
 - Rooftop AHU anchorage and load path review against existing roof capacity
 - Concentrated load review against floor capacity for patient floors
 - Anchorage of free-standing medical pods
- + Facility Robustness for Probable Natural Hazards
- + Flooding, Earthquake, Tornado and Hurricane
- + Integrated Rapid Visual Assessment for Patient Facility Vulnerability



Surging Immediately to Protect the Nation's Healthcare System

Across the country, DHHS, DHS, USACE, and FEMA are partnering with dozens of federal, state and local entities to quickly establish surge locations and alternate care sites. This partnership includes hundreds of hospitals and other healthcare organizations to build out the infrastructure that can accommodate the expected millions of coronavirus cases and other non-COVID-19 patients and reduce the burden on the nation's healthcare system.

READY TO HELP ACS TEAMS

As these entities hasten to erect a 40,000 square-foot tent ("open site") in a city park or repurpose a hotel, dorm or convention center to accommodate the new patient population overnight, many considerations are critical. Among the most important considerations to converting and preparing alternative locations for medical use is the need to enact prudent strategies and measures to prevent and mitigate a range of fire, emergency management and security-related risks, threats and vulnerabilities.

ACS ALL-HAZARD PLAN

The development of a rapid response plan to emergencies — such as fire, weather, utility system failures and external threats to the facility — is key to helping protect staff and patients. While ACS locations require the '5 S's' (Space, Staff, Stuff, Systems and Safety) to be operational and manage a COVID-19 patient surge, we focus on the safety of the staff and patients.

ACS SECURITY MASTER PLAN DEVELOPMENT POINTS

Important areas of the plan include:

- + ACS Security Master Plan
- + Exterior Security
- + Security Checkpoints
- + Physical and Technical Security
- + Access Control and Credentialing
- + Security Command, Control and Comms
- + Transportation
- + Law Enforcement and First Responder Liaison
- + Personnel and Logistics
- + Interim Security Director

Sam.gov Disaster Response Registry

- + 624230 – Emergency and Other Relief Services
- + PSC R429 – Support Professional Emergency Response
- + 541330 – Engineering Services
- + 541310 – Architectural Services
- + 541340 – Drafting Services
- + 541350 – Building Inspection Services
- + 541410 – Interior Design Services
- + 541490 – Other Specialized Design Services
- + 541990 – All Other Professional, Scientific, and Technical Services
- + Additional NAICS: 541380, 541690, 541715, 611430, 561621

How Can We Help You?

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