



Disaster Response + Essential Services for COVID-19 Response

Jensen Hughes services for Higher-Education Conversion for Alternate Care Sites

As the impacts and implications of coronavirus (COVID-19) unfold, it is becoming increasingly important to be as proactive as possible. Jensen Hughes is available to assist the US Corps of Engineers (USACE), the Department of Health and Human Services (DHHS) and 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, Athletic Facilities
- + 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



University Relationships

We have existing relationships with many Universities all over the country that we can leverage to assist in the usage and conversion of many Alternate Care Sites. As clients look to convert large areas, such as athletic facilities, cafeterias, and other potential on-campus buildings or other structures in the effort to aid in the COVID-19 emergency response, we are here to facilitate these relationships with the USACE and FEMA.

Throughout decades of working with various higher education systems, we have developed a deep understanding of local jurisdiction requirements working with over 50 educational institutions and systems nationwide. We have worked with some institutions for so long, we are considered essential and valued staff. This gives our team a unique perspective that can be useful in expediting the cite conversions, as the need for ACS increases.

FACILITY TYPES

Some of the Facility Types that we work on for our University clients that may be desired during the conversion process include:

- + Athletic and Recreational Centers
- + Residence Halls
- + Dining Halls
- + Laboratories/Chemical Storage Rooms
- + Parking Lots and Structures
- + Stadiums and Arenas
- + Student Unions
- + Conference Centers
- + Utility Plants

TRUSTED RELATIONSHIPS WITH AHJS

All facility designs are subject to compliance approval by the local Authority Having Jurisdiction (AHJ). Our engineers and consultants can leverage our existing relationships with AHJs to expedite the permitting and design process for USACE and FEMA teams. We will review your work during the design phases to verify code compliance is achieved as we work together to fight this pandemic.

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 codes: 541380, 541690, 541715, 611430, 561621

How Can We Help You?

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