

## PHYSICAL ENVIRONMENT and CONSTRUCTION STANDARDS FOR NEW HOSPITALS

Self-Assessment Questions	YES	NO	N/A	Date/Initials	Comments
<b>NEW CONSTRUCTION, EXPANSION, REMODELING</b>					
Has the department been notified of plans for construction, expansion or remodeling? Have other agencies been identified and involved (local, state, other)? 19 CSR 30-20.030	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		This should be done at the beginning of a project for awareness and guidance.
Has the hospital developed and provided to the department the program scope of services which describes space requirements, staffing patterns, departmental relationships, and other basic information relating to the objectives of the facility? 19 CSR 30-20.030	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Have plans and specifications been developed by an architect licensed in Missouri? 19 CSR 30-20.030	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<b>ADDITIONAL STATE REQUIREMENTS</b>					
Does the facility have at least two (2) pressure sterilizers located in the Central Sterile Processing designed to maintain two hundred fifty degrees Fahrenheit (250 °F) or one hundred twenty-one degrees Celsius (121 °C) at fifteen pounds (15 lbs.) pressure?  19 CSR 30-20.030	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
If the hospital is located outside of a service area or range of a public fire department: a. have arrangements been made to have the nearest fire department respond in the case of fire? b. Is a copy of the agreement on file in the facility and a copy been forwarded to the Department of Health and Senior Services? 19 CSR 30-20.030	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Does the hospital have manual fire alarm initiating devices installed at each nurses' station or other patient care control station and at the telephone switchboard? 19 CSR 30-20.030	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

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<b>CMS PHYSICAL ENVIRONMENT</b>					
Are routine and preventive maintenance schedules established, on-going inspections conducted, testing activities performed in accordance with federal and state regulations to identify manufacturers' recommendations for areas or equipment in need of repair? A-0701 COP §482.41(a)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Do the emergency lights have batteries that meet or exceed a 1-1/2-hour threshold? A-0711 COP §482.41(b)(4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Is there emergency power and lighting in at least the operating, recovery, intensive care and emergency rooms and stairwells? A-0702 COP §482.41(a)(1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
In all other areas not serviced by the emergency supply source, are battery lamps and flashlights readily available? A-0702 COP 482.41(a)(1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Have arrangements been made with local utility companies and others for the provision of emergency water and gas?  Note: CMS defines emergency gases as: propane, natural gas, fuel oil, liquefied natural gas AND any gases the hospital uses in the care of patients: oxygen, nitrogen, nitrous oxide, etc. A-0703 COP §482.41(a)(2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Has the hospital used nationally accepted references (i.e., FEMA) to calculate the need for emergency water and gas? A-0703 COP §482.41(a)(2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Does the hospital have a plan to protect and prioritize the use of emergency gas supplies? A-0703 COP §482.41(a)(2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Does the hospital meet provisions of 19 CSR 30-20.030 for applicable Life Safety Code?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

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Do outpatient surgical departments meet provisions of Ambulatory Health Care Occupancies? A-0710 COP §482.41(b)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Does the hospital have any Life Safety or other waivers for reasons of hardship? What are they? Does the hospital have a copy?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Has the hospital developed and implemented policies for the proper storage and disposal of trash including biohazardous waste? A-0713 COP §482.41(b)(4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Does the hospital have written evidence of regular inspection and approval by State or local fire control agencies? A-0715 COP §482.41(b)(6)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Are Alcohol-Based Hand Rub (ABHR) dispensers installed in a manner protecting against inappropriate access? A-0716 COP §482.41(b)(7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Does the hospital have written fire safety and evacuation plans that contain provisions for prompt reporting and extinguishing of fires, protection and evacuation of personnel and guests, and cooperation with firefighting authorities? A-0714 COP §482.41(b)(5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Does the hospital have a policy addressing when a sprinkler system is down for more than 10 hours? Does it include evacuation or fire watch? A-0717 COP §482.41(b)(8)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Does every sleeping room of the hospital have an outside window, outside door or atrium window? A-0718 COP §482.41(b)(9)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
For areas constructed after July 5, 2016, is the sill height 36 inches or less in all areas except newborn nurseries and areas where patient	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

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stay does not exceed 24 hours? 60 inches in special nursing care areas? A-0718 COP §482.41(b)(9)					
Does the hospital have a water quality monitoring system? Is there a policy and procedure? Is the water quality acceptable for its intended use? A-0722 COP §482.41(d)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Are supplies stored in such a manner to ensure they are protected against theft, damage, contamination or deterioration? A-0724 COP §482.41(d)(2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Are all food and medication preparation areas including those in patient care areas well lighted? A-0726 COP §482.41(d)(4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Is there proper ventilation in all areas using potentially hazardous chemicals, including anesthetizing locations?  Note: anesthetizing locations are: "any areas of a facility that has been designated to be used for administration of nonflammable inhalation anesthetic agents in the course of examination or treatment, including the use of such agents for relative analgesia." A-0726 COP §482.41(d)(4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Is there proper ventilation in pharmaceutical preparation areas, in the laboratory and where oxygen is transferred from one container to another? A-726 COP §482.41(d)(4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

### Helpful Hints

- CMS-Effective July 5, 2016, CMS adopted the 2012 edition of the National Fire Protection Association (NFPA) 101 - Life Safety Code (LSC) and 2012 edition of the NFPA 99 - Health Care Facilities Code (HCFC). See Survey and Certification Memo 16-29 LSC effective July 5, 2016. The code can be obtained from the NFPA or at <http://www.nfpa.org>. Facilities constructed prior to the effective date will maintain and operate the building in compliance with the design and safety regulations in effect at the time of its construction. You need to also be aware of any specific requirements for your city or county related to this issue. Also see Survey and Certification Letter 11-05 regarding occupancy classifications.

- State-New hospitals or portions of hospitals constructed or remodeled after January 1, 2018 shall be maintained so that the building and its various operating systems comply with the life safety code standards in 42 CFR Part 482 (2017) and 42 CFR Part 485 (2017), which are incorporated by reference in this rule. This rule incorporates later amendments and additions to 42 CFR Part 482 (2017) and 42 CFR Part 485 (2017). This rule does not incorporate the following chapters of National Fire Protection Association (NFPA) 99, 2012 edition: chapter 7 – Information Technology and Communications Systems for Health Care Facilities; chapter 8 – Plumbing; chapter 12 – Emergency Management; and chapter 13 – Security Management.
- State-Existing hospital facilities constructed prior to January 1, 2018 shall maintain and operate the building in compliance with the design and safety regulations in effect at the time of their construction. New hospitals or portions of hospitals constructed or remodeled after January 1, 2018 must be constructed so that the building and its various operating systems comply with the standards contained in The Facility Guidelines Institute (FGI) Guidelines for the Design and Construction of Health Care Facilities (2010 edition) or the FGI Guidelines for Design and Construction of Hospitals and Outpatient Facilities (2014 edition), which are incorporated by reference in this rule or so that the building and its various operating systems comply with other standards and guidelines that provide equivalent design criteria. Prior to the department granting approval of the construction plans and specifications required in this rule, the architect or professional engineer submitting the plans shall identify the equivalent design criteria used. This rule does not incorporate any subsequent amendments or additions. This rule does not incorporate the following chapter of FGI, 2010 edition: 1.2-8 – Commissioning. Existing hospital facilities constructed prior to January 1, 2018 shall maintain and operate the building in compliance with the design and construction regulations in effect at the time of their construction.
- To assess compliance with Life & Safety codes, complete the Fire Safety Survey Report 2000 Code — Health Care form (CMS-2786R), downloadable at <http://www.cms.hhs.gov/cmsforms/downloads/CMS2786R.pdf>.
- Also be aware of any specific requirements for your city or county related to this issue
- See 19 CSR 30-20.142 for more details on applying for a variance request through the state in addition the option of obtaining a waiver from CMS.

#### **Key Resources and Links**

- [19 CSR §30-20.030](#) Construction Standards for New Hospitals
- [COP §482.41](#)
- [S&C Letter 14-12](#)
- [S&C letter 13-25-LSC & ASC](#)
- [Life Safety Code Survey Report Form CMS-2786](#)