

# *ILLINOIS DEPARTMENT OF PUBLIC HEALTH*

## *DIVISION OF LIFE SAFETY AND CONSTRUCTION*



# ORGANIZATION

Division of Life Safety and Construction  
Established in Late 2011

Combined the responsibility for Life Safety and  
Construction of all licensed healthcare occupancies  
under one umbrella

Division is divided into two sections

Design and Construction Section

Field Services Section

# ORGANIZATION

**Dennis Schmitt- Architect**

**Division Chief**

## **Life Safety and Construction**

**Laura Cramer- Architect**

**Supervisor**

### **Design and Construction**

David Hayes – Administrative Assistant

Colleen Jefferson– Office Administrator

Laura Cramer – Architect

Eric Shuler – Architect (Springfield)

Abul Abdullah – Architect (Westchester)

Randall Franks – Engineering Tech 3 (Springfield)

Mujeeb Ahmed – Project Designer (Contractual)

**William Meyers - Architect**

**Supervisor**

### **Life Safety – Field Services**

Margaret Scott – Administrative Assistant

Zijian Zheng– Office Coordinator

Andrea Schafer – Project Designer

Shawn Mudd– Project Designer

Robert Barnett– Architect

Troy Hatterman– Architect (Peoria)

Michael Kasdorf – Architect (Marion)

Tom Meyer – Architect (Rockford Office)

Kathy Patton – Architect (Westchester)

Theresa Potter – Architect (Westchester)

Kenan Hadzic – Architect (Westchester)

Franco Issac – Architect (Westchester)

Lindsay Hahn – Architect (Edwardsville)

# ORGANIZATION

## **Design and Construction Section**

**Laura Cramer – Supervisor**

### Section Responsibilities include

Plan reviews of new healthcare construction projects and renovations

Conducts onsite inspections of construction projects

Conducts life safety code surveys on behalf of the Centers for Medicare and Medicaid Services (CMS) for non-long term care facilities

Sample Validation, Recertification and Full Surveys Due to Complaint.



# ORGANIZATION

## **Field Services Section**

**William Meyers – Supervisor**

### Section Responsibilities include

Conducts annual life safety code surveys in Long-Term Care Facilities on behalf of CMS

Conducts surveys of Approximately 1,000 long-term care facilities each year

# SNF/NF PROJECTS

All long-term care facilities are required to submit projects to the Design and Construction Section for review and comment

Project submissions are required to be sealed and signed by an Illinois Licensed Architect or Engineer

## Project reviewability

The facility may submit a project narrative and PDF drawing to the Department to verify if a formal submission is required.

## Some facility items that may **NOT** require a project submission

1. In-kind replacement of plumbing fixtures
2. In-kind replacement of doors and hardware (verify proper rating)
3. Wall painting and wall coverings

If there is any concern about a maintenance project, please email our office to get a determination if it is required to be reviewed by our department.

# FACILITY PROPOSED PROJECTS

## Facility items that would require a project submission

1. Replacing Ceilings in rooms or wings
2. Room renovations and facility renovations
3. Building additions
4. Generator Projects
5. Electrical projects
6. Sprinkler or Fire Alarm projects
7. Projects that move walls or doors
8. Projects that would affect sprinkler coverage or fire alarm detection issues

These are just a few items that would require a project submission to the Department for review.

# ASSISTED LIVING AND SHARED HOUSING

## NEW INFORMATION

January 1, 2025

New assisted living and shared housing establishment will be required to submit projects to the department for review and comment.

This review is required for all new buildings, renovation and remodeling's.

A fee will be required for all projects over \$100,000

Projects are still required to be submitted to the department even if the cost is below the \$100,000 threshold.

The project submissions will be similar to the drawing review process that is currently in place for long-term care.

There are differences with regards to drawing review times and onsite inspection times.



# PROJECT SUBMISSIONS

## NEW INFORMATION

January 1, 2025

New Project Submission forms will be available on our website.


Project submissions will require the following drawings.

- 1 set of standard size drawings (half size is permitted with a discussion with the department)
- 1 Electronic set of drawings with all drawings in a PDF format. The architect /engineer of record will be responsible for setting up a transfer portal that is accessible to the department for drawing downloads.

Drawings will only be archived for the duration of the project due to physical storage space and available server space.





# PROJECT SUBMISSION FORM

Forms are available on the Division's webpage



ILLINOIS DEPARTMENT OF PUBLIC HEALTH

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Health Care Facilities +

Health Care Worker Registry +

Nursing Homes +

Assisted Living

Clinical Lab Improvement Amendments (CLIA) +

File a Complaint

ICF/IID & SMHRF

Life Safety & Construction -

ASTC Licensure


Frequently Asked Questions (FAQs)

Hospital Licensure

Nursing Home Licensure

Policies and Procedures

## Life Safety & Construction



The Illinois Department of Public Health, Office of Health Care Regulation, Division of Life Safety and Construction, conducts licensure and certification surveys for licensed healthcare facilities. The Division is made up of two sections, the Design and Construction Section and the Field Services Section.

The Design and Construction Section is responsible for plan reviews for licensed health care facilities and the CMS certification surveys for non-long term care facilities. The Field Services Section is responsible for the CMS annual certification surveys for long term care facilities.

### RESOURCES

[Center for Medicare and Medicaid Services](#)

[File a Complaint](#)

[April 25-27, 2018 - NFPA 101, Life Safety Code Seminar – 2012 edition](#)

Changes to the Life Safety & Construction site are being planned

# PROJECT COMPLETION DOCUMENTS

- Forms
- Hospital Project Submission
- Construction Award Form
- Temporary Occupancy Policy
- Occupancy Matrices
  - Matrix 4A – UL Assembly Ratings
  - Matrix 4B – Through Wall/Floor Penetrations
  - Matrix 4C – Interior Finishes
  - Matrix 4D – Project Cost and Fee Verification
  - Matrix 4E – Fire, Smoke, Fire/Smoke Damper
  - Matrix 4F – Air Balancing
- NFPA 72, Fire Alarm System Record of Completion form (2010 Edition)
- Certifications for Request of Inspection

# FINAL OCCUPANCY CHECKLIST



State of Illinois  
Illinois Department of Public Health

## Final Occupancy Checklist Certifications for Request of Inspection

Date submitted \_\_\_\_\_ IDPH number \_\_\_\_\_

Facility name and city \_\_\_\_\_

Brief narrative of project \_\_\_\_\_

Name & title of individual submitting inspection request \_\_\_\_\_

The following information must be submitted and accepted prior to an on-site inspection. Inspections will be scheduled in accordance with the Illinois Hospital Licensing Act and Requirements, the Illinois Ambulatory Surgical Treatment Center Licensing Act and Requirements, or the Illinois Nursing Home Act and Codes. All information shall be submitted together unless the requested certifications are not applicable to the project. If not applicable to the project, indicate this on the space provided (N/A, why?). Certification letters and forms shall contain a signature, typed names will not be accepted. Submissions are to be single sided. Double sided submissions will be required to be resubmitted.

### Architect, Engineer, Contractors Certifications

1a	Architect's authorization for 95 percent payment of all construction. Submit a completed AIA G702, <i>Application and Certified for Payment Form</i> .	<input type="checkbox"/> Enclosed, if N/A explain
1b	Punch list of incomplete items, include date punch list was performed.	<input type="checkbox"/> Enclosed, if N/A, explain
1c	Signed certification from the licensed architect/engineer of record and contractor that they have reviewed all of the certifications and the project is completed in accordance with approved plans and applicable codes.	<input type="checkbox"/> Enclosed, if N/A explain

### Electrical

2a	Signed certification by the installer that the elevator recall system is installed and operates in accordance with ANSI A17.1, (2007) Safety Code for Elevators and Escalators.	<input type="checkbox"/> Enclosed, if N/A explain
2b	Signed certification by the installer that the nurse call system has been installed, tested and found to operate in accordance with the specifications.	<input type="checkbox"/> Enclosed, if N/A explain
2c	Signed certification by the electrical system installer that the electrical systems have been installed and all electrical work has been performed in accordance with NFPA 70.	<input type="checkbox"/> Enclosed, if N/A explain
2d	Signed certification by the installer that the emergency generator has been installed to meet the licensure standards, NFPA 99 Health Care Facilities, 2012 Edition and NFPA 110 Emergency and Standby Power Systems, 2010 Edition. The generator must be operational for the inspection. Include initial four-hour acceptance test and certification of 10 seconds or less transfer time.	<input type="checkbox"/> Enclosed, if N/A explain
2e	Signed certification by the installer that the installation and testing of ground-fault protection in electrical switches is in compliance per NFPA 70-230-95 (c) and NFPA 70-517.17 (c), 2011 edition.	<input type="checkbox"/> Enclosed, if N/A explain
2f	Fire Alarm System, Record of Completion Form as required by NFPA 72, 2010 Edition. Available at <a href="http://www.nfpa.org">www.nfpa.org</a> .	<input type="checkbox"/> Enclosed, if N/A explain

### Mechanical Certifications

3a	Non-Flammable Medical Gas and Vacuum Systems Certification. <b>Submit a complete copy of third-party certification per NFPA 99, 2012 Edition, System Verification.</b>	<input type="checkbox"/> Enclosed, if N/A explain
3b	Signed certification by the installer that the sprinkler system is installed as required by NFPA 13, Chapter 10, NFPA 20, Chapter 14 and NFPA 14 Chapter 11. Submit a copy of the sprinkler Contractor's Material and Test Certificate for Aboveground/Underground Piping.	<input type="checkbox"/> Enclosed, if N/A explain
3c	Signed certification by the installer that the HVAC system has been installed and is operating in compliance with the design plans and specifications, NFPA 90A/90B and the Illinois Hospital Licensing Act and Requirements, the Illinois Ambulatory Surgical Treatment Centers Licensing Act and Requirements or the Illinois Nursing Home Care Act and codes.	<input type="checkbox"/> Enclosed, if N/A explain
3d	Signed certification by the installer that other fire extinguishment systems (halon, for example) have been tested and checked for the purpose of determining compliance with the appropriate NFPA standard for the system being used.	<input type="checkbox"/> Enclosed, if N/A explain
3e	Signed documentation by the installer that all fire extinguishers have been checked and inspection tags are dated and attached to each device.	<input type="checkbox"/> Enclosed, if N/A explain
3f	Signed documentation by the installer that range hood and duct systems are installed and operate in accordance with NFPA 96, Ventilation Control and Fire Protection of Commercial Cooking Operations, 2011 Edition.	<input type="checkbox"/> Enclosed, if N/A explain
3g	Signed certification by the installer that the smoke control system has been tested and operates as designed per NFPA 92, 2012 Edition.	<input type="checkbox"/> Enclosed, if N/A explain
3h	Signed certification by the installer and test data verifying that the fire pump and systems components have been installed and tested per NFPA 20, Chapter 14 Acceptance Testing, Performance & Maintenance and NFPA 25, Chapter 5, 5-3.3.4, Emergency Power Operation and Chapter 9 Back-Flow Preventers.	<input type="checkbox"/> Enclosed, if N/A explain
3i	Signed certification by the installer and testing of each fume hood per NFPA 45 and ASHRAE HVAC Application Handbook specific to each classification.	<input type="checkbox"/> Enclosed, if N/A explain
3j	Signed certification by the installer and testing of each biohazard cabinet per NFPA 45, and ASHRAE HVAC Application Handbook specific to each classification.	<input type="checkbox"/> Enclosed, if N/A explain
3k	Plumbing report which contains the name, signature and Illinois license number of the plumbing inspector, type of inspections completed (underground, roughed-in, final) and the plumbing installation meets the requirements of the Illinois Plumbing Code.	<input type="checkbox"/> Enclosed, if N/A explain

### Matrices

4A	UL assembly ratings	<input type="checkbox"/> Enclosed, if N/A explain _____
4B	Through wall/floor penetrations	<input type="checkbox"/> Enclosed, if N/A explain _____
4C	Interior finishes	<input type="checkbox"/> Enclosed, if N/A explain _____
4D	Project cost and fee verification - <b>Required for all projects</b>	
4E	Smoke and fire dampers	<input type="checkbox"/> Enclosed, if N/A explain _____
4F	Ventilation balancing	<input type="checkbox"/> Enclosed, if N/A explain _____



# FEDERAL SURVEYS

## TYPES OF LSC SURVEYS

1. SAMPLE VALIDATION
2. ANNUAL LONG-TERM CARE SURVEYS
3. RECERTIFICATION
4. FULL SURVEY DUE TO COMPLAINT
5. MONITORING SURVEY

# CMS LIFE SAFETY CODE SURVEY

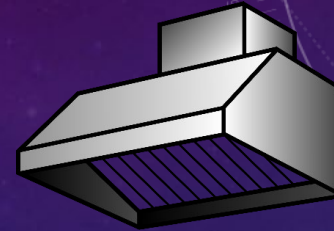
- The facility will be surveyed under NFPA 101, 2012 Edition, Chapter 19, “Existing Health Care Occupancies”.
- Facilities (buildings, additions, renovations, etc.) completed after July 5, 2016 (adoption of NFPA 101, 2012 Edition) will be surveyed under NFPA 101, 2012 Edition, Chapter 18, “New Health Care Occupancies”.



# CMS LIFE SAFETY CODE SURVEY

## Documentation Review Examples

- Fire drills (including fire drill facility notes)
- Fire alarm annual testing
- Annual fire extinguisher testing
  - Monthly FE's inspection during tour
- Kitchen hood suppression system
- Emergency generator testing
  - Weekly visual and monthly load
- Sprinkler and fire pump testing (quarterly and 3-5 year)
- Written fire and emergency policies / procedures
- Building(s) history (construction date, occupancy, construction type, etc)
- Fire Door inspection and testing documentation
- Fire Damper inspection and documentation



# EMERGENCY PREPAREDNESS

- ***Risk Assessment and Planning***
- ***Policies and Procedures***
- ***Communication Plan***
- ***Training and Testing***

Appendix Z

<https://www.cms.gov/Medicare/Provider-Enrollment-and-Certification/SurveyCertEmergPrep/Downloads/Appendix-Z-EP-SOM-February-2019.pdf>



# LSC TOP CITED K-TGS SNF/NF

## **Cooking Facilities K-324**

Exhaust Hood fire suppression not checked

Missing k-type fire extinguisher and signage

## **Vertical Openings K-311**

Stair/Mechanical /Plumbing shaft issue (Holes not fire sealed )

## **Electrical – Power Cords and Extension Cords K-920**

Power strips not properly mounted or rated

## **Means of Egress – General K-211**

Items located in the exit path

Door locking items/issues

## **Gas Equip. – Cylinder and Container Storage K-923**

Empty/New cylinders not identified

Room not identified with proper signage

# LSC TOP 10 MOST CITED K-TAGS SNF/NF

## **Fire Alarm – Testing and Maintenance K-345**

Missing test reports, Components missing or damaged

## **Hazardous Area Separation K-321**

Storage rooms not properly fire rated, or holes not fire sealed

## **Corridor Doors K-363**

Doors to not latch to the door frame or missing or damaged hardware

## **Fire Drills K-712**

Missing fire drills

# LSC TOP 10 MOST CITED K-TAGS SNF/NF

## **Electrical – Emergency Power K-918**

Missing annual load bank test (if required)

Missing weekly generator inspections

## **Sprinkler System Maintenance and Testing K-353**

Missing quarterly inspections

3-year or 5-year inspections not completed

# POWER STRIPES AND POWER EXTENDERS

## Patient Care Related Electrical Equipment (PCREE)

1. PCREE is defined as: Electrical equipment appliance that is intended to be use for “**Diagnostic, Therapeutic or Monitoring Purposes**” in the Patient Care Vicinity. NFPA 99, 2012 Edition Section 3.3.137
2. Patient Care Vicinity (PCV) *is defined as: A space, within a location intended for the examination and treatment of patients, extending 6 feet beyond the normal location of the bed, chair. Table, treadmill, or other device that supports the patient during examination and treatment extending vertically 7 feet 6 inches above the floor. NFPA 99, 2012 Edition Section 3.3.139*



# POWER STRIPES AND POWER EXTENDERS

## General Usage for Patient Care Vicinities

1. Power strips for PCREE located within the PCV are allowed provided the following requirements are met. NFPA 99, 2012 Edition Section 10.2.3.6
  - a. The power strip is attached to the PCREE. NFPA 99, 2012 Edition Section 10.2.3.6(1)
  - b. The Sum of the ampacity does not exceed 75% of the ampacity of the flexible cord supplying the outlets. NFPA 99, 2012 Edition Section 10.2.3.6(2)
  - c. The ampacity of the flexible cord meets NFPA 70, 2011 Edition. NFPA 99, 2012 Edition Section 10.2.3.6(3)
  - d. The electrical mechanical integrity of the assembly regularly verified and documented. NFPA 99, 2012 Edition Section 10.2.3.6(4)
  - e. Additional non-PRCEE device (personal electronics) cannot be connected to the power strip. NFPA 99, 2012 Edition Section 10.2.3.6(5)

## Requirements of the AHJ

1. Power strips used for PRCEEs shall have a listing of UL 1363A or UL 60601-1. NFPA 99, 2012 Edition Section 10.2.3.6 (AHJ)
2. Power strips used for non-PRCEEs outside the PCV cannot be used as a substitution for fixed electrical wiring by NFPA 70 Section 400-8.1

# POWER STRIPES AND POWER EXTENDERS

## General Power Strip Usage for Non-Patient Care Areas

Power strips used in non-patient care area cannot be used as a substitution for fixed electrical wiring by NFPA 70, 2011 Edition Section 400-8.1.

Power strips used as surge protection devices can be used provided the surge protector is listed for surge protection and the facility provides documentation from the electrical device manufacturer having a recommendation for the use of surge protection.

Power strips installations often are not secured and lay loosely on the floor adjacent to the appliance. This can be a tripping hazard. High ampacity electrical draw appliances like refrigerators and microwaves cannot be used due the unknown nature of other possible electrical device being connected to the other open slots on the power strip which may increase the electrical draw load causing an overload of the electrical receptacle.

A surge protector type power strip can be used provided the manufacture of the device recommended its usage. Computers are examples of devices where a surge protector is often recommended.

A surge protector can be used provided the surge protector is properly placed and secured. Kitchen equipment like refrigerators and microwaves that are connected to power strips have the potential of liquids being poured into the strip power outlets which could be hazardous. **If the purpose of the surge protected is for an appliance due to no fixed electrical receptacle being installed in the area, then a new fixed electrical outlet will need to be installed for that equipment.**

# FIRE DRILLS

If a facility is set up on 2 working shifts per day in lieu of 3 the following must be met.

The NFPA 101, 2012 Edition, 18.7.1 outlines the requirements for fire drills.

All staff are to be trained

**18.7.1.6** Drills shall be conducted quarterly on each shift to familiarize facility personnel (nurses, interns, maintenance engineers, and administrative staff) with the signals and emergency action required under varied conditions.

If a facility is set up for 2 shifts in lieu of 3 this condition will meet the requirements of NFPA. The key to fire drills is **all staff** must be trained and each drill documented with all staff that participated.

# SCOOP OF INFORMATION



- Scoop #1
  - The Provider is fully responsible for compliance with the Life Safety Code
  - IDPH conducts a sampling of regulatory requirements It does not conduct an in-depth, all-inclusive survey
  - Time constraints
  - Staffing limitations



# DIVISION CONTACT INFORMATION

Division of Life Safety and Construction  
525 West Jefferson Street, 4<sup>th</sup> floor, Springfield, IL  
62761

Design and Construction Section – 217-785-4264 for  
plan reviews, 217-785-4247 for Requests for  
Inspection and inspection schedules

[dph.design.standards@Illinois.gov](mailto:dph.design.standards@Illinois.gov)

Field Services Section – 217-785-9183

[dph.field.services@Illinois.gov](mailto:dph.field.services@Illinois.gov)



# WEB SITE INFORMATION

For IDPH web site— [dph.Illinois.gov](http://dph.Illinois.gov)























































































Thank You!