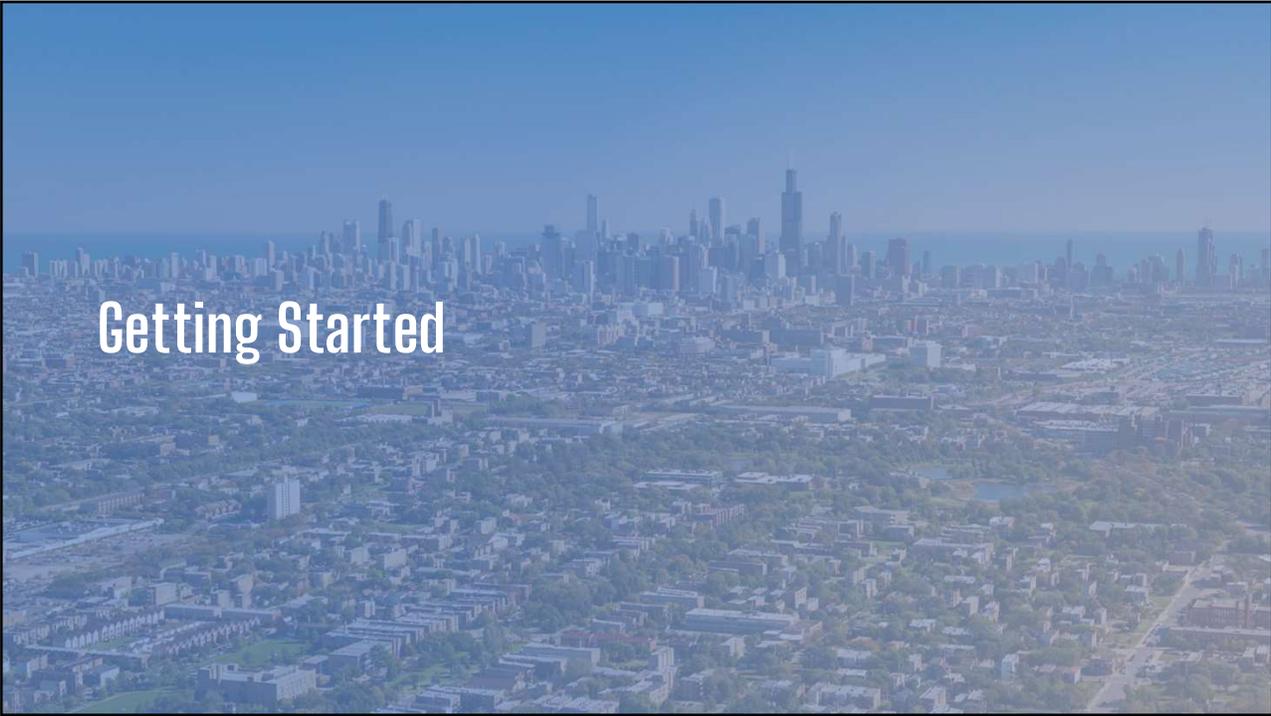




4



5

Continuing Professional Education

This program is approved for both AIA and ICC CEU credit. Credit earned upon completion of this program will be reported to CES records for AIA members. Certificates of Completion will be provided to all attendees by ICC.

This program is registered with the AIA/CES for continuing professional education. As such, it does not include content that may be deemed or construed to be an approval or endorsement by the AIA of any material of construction or any manner of handling, using, distributing, or dealing in any material or product. Questions related to specific materials, methods, and services will be addressed at the conclusion of this presentation.



6

Day 1 Tuesday, January 18

8:30 a.m.	Welcome and Introduction
	Self-Certification Permit Program Rules
	Submission Requirements & Paperwork
15-minute Break	
10:15 a.m.	The Chicago Construction Codes
	Building Planning
	Means of Egress
Lunch (one hour)	



7

Day 1 Tuesday, January 18

1:15 p.m.	Means of Egress (<i>continued</i>)
	Fire Resistance
	Fire Protection Systems
	Nonstructural Material Requirements
15-minute Break	
3:30 p.m.	Accessibility Basics
	Day 1 Closing Remarks
5:15 p.m. end	



8

Learning Objectives – Day 1

- Apply the Rules of the Self-Certification Permit Program
- Identify documents required to be submitted as part of a self-certified permit application
- Determine whether a permit application and construction documents comply with the Chicago Construction Codes Administrative Provisions
- Classify a building in terms of occupancy and construction type
- Calculate allowable building height and building area
- Analyze means of egress for code compliance
- Apply code requirements for passive fire-resistive construction
- Determine requirements for active fire detection and protection systems
- Navigate code requirements for non-structural materials and finishes
- Identify key requirements for usable and accessible facilities

9

Day 2 Wednesday, January 19

8:30 a.m. Structural Peer Review

Structural Basics

15-minute Break

10:15 a.m. Structural Basics (*continued*)

Chicago Building Rehabilitation Code

Lunch (one hour)



10

Day 2 Wednesday, January 19

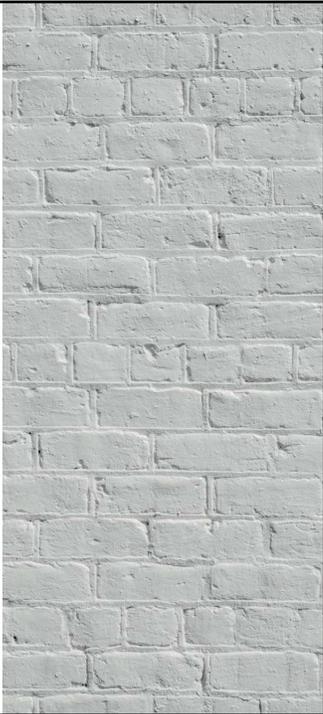
1:15 p.m. Chicago Building Rehabilitation Code (*continued*)

15-minute Break

3:30 p.m. Chicago Energy Conservation Code

Day 2 Closing Remarks

5:15 p.m. end



11

Learning Objectives – Day 2

- Explain the Structural Peer Review program
- Determine which structural requirements of the Chicago Construction Codes are applicable to a project
- Review structural drawings and calculations for conformance with code requirements
- Describe the three compliance methods available in the Chicago Building Rehabilitation Code
- Apply the work area method to determine code requirements for various scopes of rehabilitation work
- Explain key requirements of the Chicago Energy Conservation Code for work in existing buildings
- Describe new requirements in the 2021 International Energy Conservation Code

12

Day 3 Thursday, January 20

8:30 a.m. Building Inspections

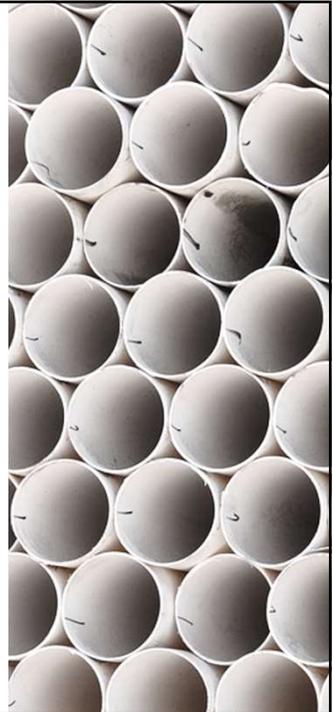
Plumbing Requirements

15-minute Break

10:45 a.m. Electrical Requirements

Mechanical Requirements: Ventilation

Lunch (45 minutes)



13

Day 3 Thursday, January 20

1:00 p.m. Mechanical: Refrigeration and Gas Piping

15-minute Break

1:45 p.m. Department of Finance: Debt Check

CDPH: Environmental Protection & Air Pollution Prevention

CDPH: Food Protection

15-minute Break

3:30 p.m. Department of Planning & Development: Zoning Basics

5:00 p.m. end



14

Learning Objectives – Day 3

- Explain the importance of construction documents in obtaining successful inspections of permitted self-certified work
- Identify information required to establish compliance with key provisions of the Chicago Plumbing Code
- Identify information required to establish compliance with key provisions of the Chicago Electrical Code
- Identify information required to establish compliance with key provisions of the Chicago Mechanical Code related to ventilation, refrigeration, and gas piping
- Explain the City of Chicago debt check process for self-certification permitting
- Identify key requirements for food protection in food establishments
- Describe permitting procedures applicable to equipment and work practices regulated by the Chicago Department of Public Health to prevent air pollution
- Navigate key provisions of the Chicago Zoning Ordinance

15

Information for In-person Participants

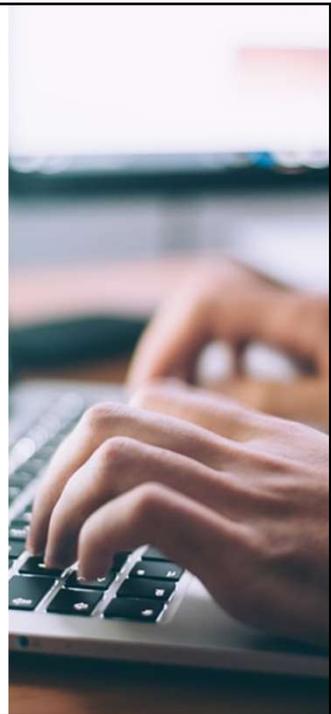
- All in-person attendees are required to show proof of full vaccination upon arrival.
- Wear a face covering when not eating, drinking, or presenting, even when seated.
- Maintain 6 feet distance where possible.
- Leave your nametag at your current table and use the same table for all 3 days.



16

Information for Remote Participants

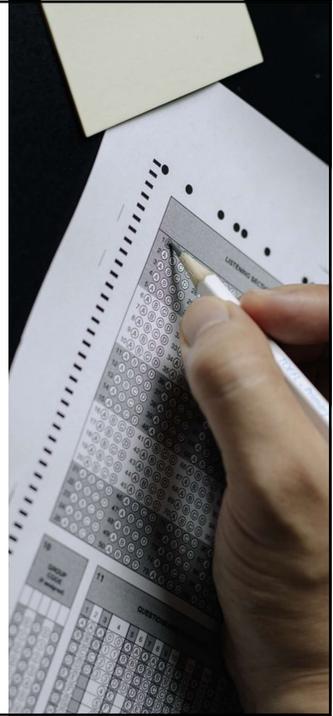
- Please remain muted and off camera.
- Use Zoom chat or email claudette.hillock@cityofchicago.org for help.
- Optional breakout rooms during breaks and at lunch time provide an opportunity for networking.
- Use Slido (not Zoom) to submit questions for the presenter.



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Remote Participant Quizzes

- To confirm attendance and participation, remote participants must complete periodic quizzes each day.
- Links to quizzes will be sent by email and through Zoom chat.
- Failure to submit quizzes on time or excessive wrong answers may result in disqualification for registration/renewal.



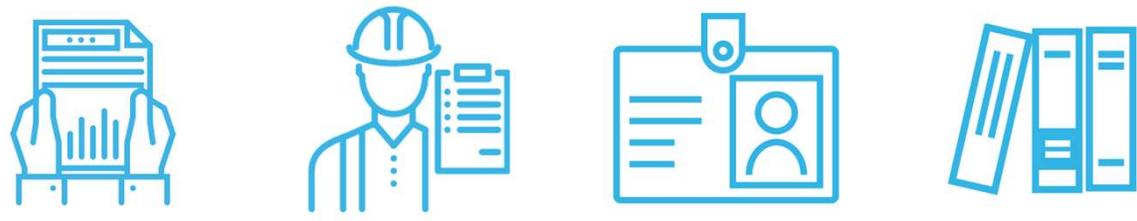
18



22

Mission

The Department of Buildings enhances safety and quality of life for Chicago's residents and visitors through permitting, inspections, trade licensing, and enforcement of the *Chicago Construction Codes*.



23

Permit Programs

The Department offers permitting processes tailored for a wide variety of projects, from home repairs to skyscrapers.

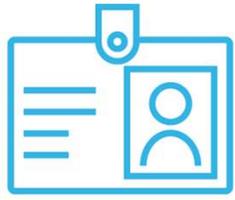


24

2021 in Numbers



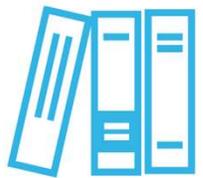
- **Almost 40,000 permits issued**
- 12,220 based on plans
- 3,095 self-certified



- **About 26,000 trade license holders**



- **More than 200,000 inspections**
- 45,000 311 complaint investigations

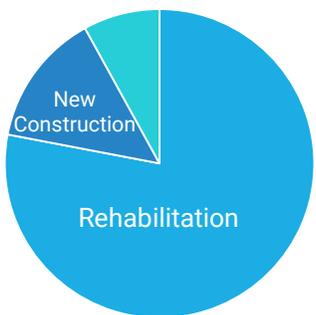


- **8 code modernization ordinances**

25

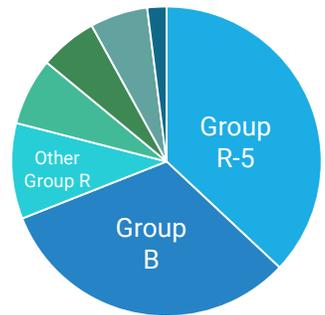
2021 in Numbers (continued)

Self-Certified Permits by Type of Work



- Rehabilitation
- New Construction
- Temporary Structures

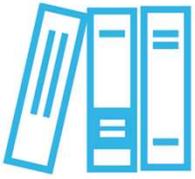
Permanent Construction by Occupancy



- Group R-5
- Group B
- Other Group R
- Group A
- Group M
- Group E-1
- Other

26

What's Ahead?



Continued Code Modernization

- Mechanical
- Fire Prevention



Public Safety

- Vacant building board up and demolition
- Closure orders
- Scofflaw



IT System Improvements

- Easy permits
- Certain trade licenses



Interdepartmental cooperation

- License coordination
- Permitting

27



28

Overview

The Self-Certification Permit Program, commonly referred to as "Self-Cert", simplifies the building permit process for eligible residential, business, mercantile, and assembly projects.

- The Department of Buildings has offered some form of self-certification for more than 20 years.
- In 2021, the Department issued **3,095** self-certified permits.
- There are currently **more than 500** registered self-certification professionals, and we have **85** new participants joining us for this training class.

29

Self-Certification Professionals

Under the program, a registered **Self-Certification Professional** takes full responsibility for code compliance.

- Licensed at least 3 years as an architect or structural engineer by State of Illinois
- Professional of Record or Project Lead on at least 5 Chicago-issued permits in last 5 years
- Completion of training class
- 6-year renewal



30

The Self-Certification Process

- The Self-Certification Professional must prepare and seal the permit drawings and submit them to the city using the E-Plan system.
- Permit expeditors are **not** allowed to assist with uploading self-certified permit applications.
- DOB plan reviews are eliminated by allowing the registered self-certification professional to certify that the permit drawings comply with the Chicago Construction Codes.



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The Self-Certification Process (continued)

- Reviews by other departments occur as usual
- DOB checks submission for administrative compliance and may spot-check for code issues.

Warning: Permit applications with deficiencies can and are pulled from the self-certification process. If this happens, the \$300 deposit and zoning fee are forfeited.



32

The Purpose of Plan Review

- Plan review checks whether what you intend to build complies with building and other codes before construction begins.
- Adjustments to plans are less costly and time consuming than making changes during construction.



33

Self-Certification is a Substitute for Plan Review

- With self-certification, the Self-Certification Professional has **triple-checked** that what is shown in the construction documents complies with the *Chicago Construction Codes*.
- Self-certification is not appropriate for **“creative”** projects or unusual situations.



34

Importance of Complete Construction Documents

- With plan review, the plan reviewer points out assumptions and gaps in your construction documents before building begins.
- When self-certifying a project, you are responsible for **triple-checking** your own work.
- To help inspectors (and builders) understand your application of the code, show your work.
- If questions are raised during inspection, clearer drawings are less likely to trigger a full audit.



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Rules of the Self-Certification Permit Program

Self-Certification Training Class
January 18-20, 2022

CHICAGO
Department of Buildings

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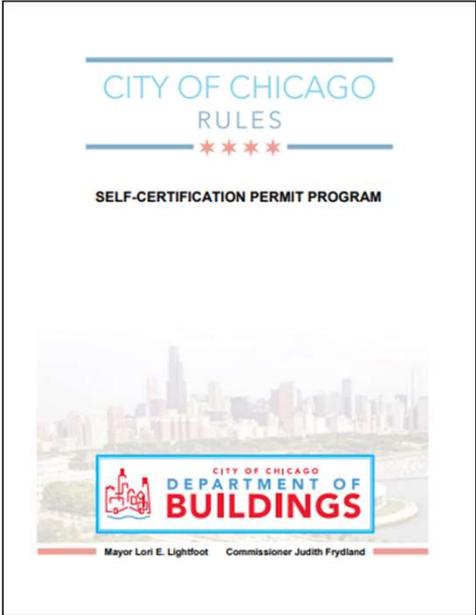
39

Finding the Rules

- Chicago.gov/buildings
- Scroll to “Rules and Regulations” toward bottom of page

Rules and Regulations 
Regarding Crane Operator Licenses
Suspension of Permit Application Privileges
Suspension and Revocation of License, Registration, and Certification
Elevator and Other Conveyance Device Inspections
Regarding Crane Operations
Vacant Buildings - Registration and Securing of
Maintenance of Exposed Tanks
Maintenance of High-Rise Exterior Walls and Enclosures
Self-Certification Permit Program
Structural Peer Review Program
Registration and Inspection of Conveyance Devices under the Annual Inspection Certification (AIC) Program
Notification to Adjacent Property Owners of Excavation Work
Rescission or Revocation of Permits
Flood Control
Demolition by Implosion -- Department of Buildings Rules

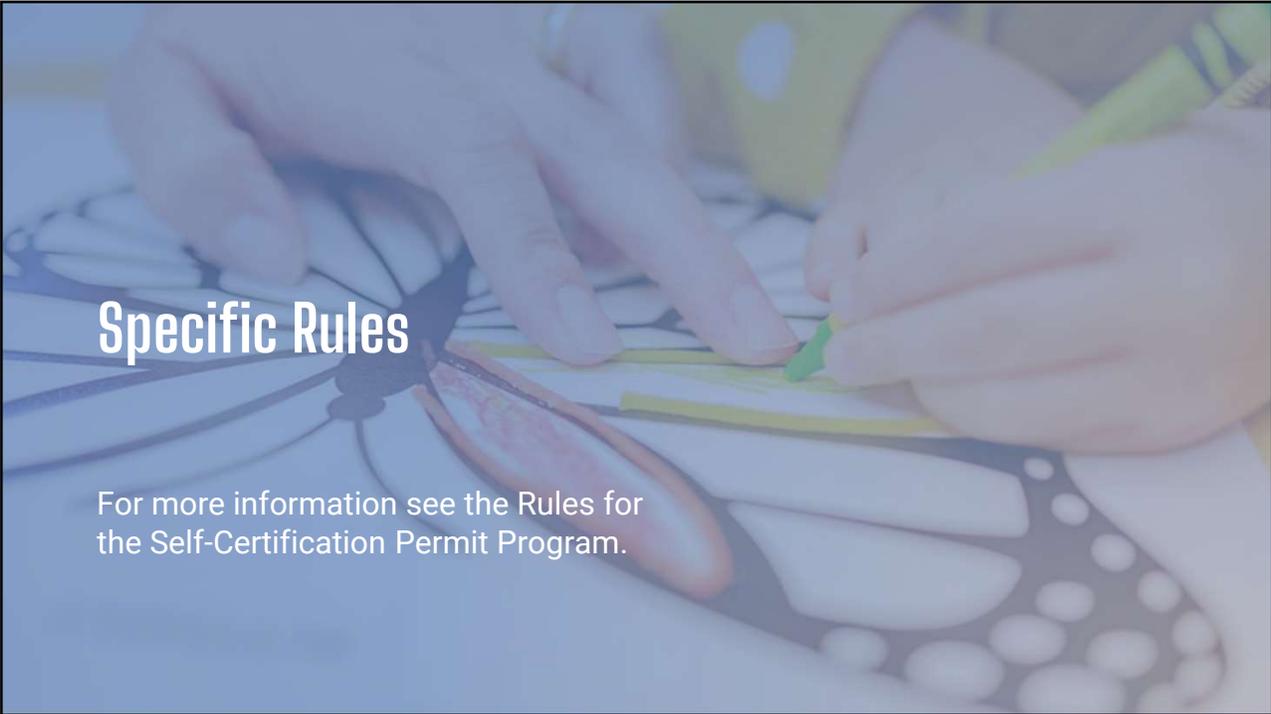
40



Organization

- Part I:** General Provisions
- Part II:** General Requirements
- Part III:** Prototype-Based Self-Certification
- Part IV:** Temporary Structure Self-Certification
- Part V:** Professional Registration
- Part VI:** Field Inspection and Audit

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Specific Rules

For more information see the Rules for the Self-Certification Permit Program.

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Eligible Projects

TABLE C-1 (2020): ELIGIBLE PROJECTS

Use or Occupancy Classification of Finished Building	Scope of Work	
	New Construction	Rehabilitation
EXCLUSIVELY RESIDENTIAL BUILDINGS AND ACCESSORY STRUCTURES		
Group R-1, R-2, R-3, R-4 or R-5, maximum 8 dwelling units and/or sleeping units	- building up to 4 stories above grade plane - may include attached private garage - may include occupiable rooftop	- building up to 4 stories above grade plane - may include attached private garage - may include occupiable rooftop - gut rehab and porch replacement allowed
Detached Private Garage (Group R-5 or U)	- 1 story building (may include occupiable rooftop)	- 1 story building (may include occupiable rooftop)
Single-Occupancy Non-Residential Buildings (No Mixed Occupancy)		
Single Tenant: Group A, B, or M (Group A occupant load less than 300)	- building up to 2 stories above grade plane - up to 10,000 ft ² building area - single tenant building	- building up to 2 stories above grade plane - up to 10,000 ft ² floor area without written preapproval - single tenant building
All Group B or all Group M; maximum 4 tenants	- building up to 4 stories above grade plane - up to 30,000 ft ² building area	- building up to 4 stories above grade plane - up to 30,000 ft ² floor area without written preapproval - each tenant space and common areas must be permitted separately (see below) UNLESS entire building is vacant
Group E-1, I-1, or I-2	<i>Not eligible.</i>	- single tenant buildings only - up to 4 story building - up to 30,000 ft ² floor area without written preapproval - alterations or repairs only; NO additions

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Eligible Projects (continued)

MIXED-OCCUPANCY BUILDINGS		
Mixed Occupancy (including Group A (with occupant load less than 300); B; M; R; S-2 (garage only); and/or U (private garage only))	- mercantile, assembly or motor-vehicle-related use in basement or on first story above grade plane only - building up to 4 stories above grade plane - building area maximum 30,000 ft ² - maximum of 4 non-residential tenant spaces in building - maximum of 8 dwelling and/or sleeping units in building - occupiable rooftop allowed	- alterations or repairs only; NO additions - mercantile, assembly or motor-vehicle-related use in basement or first story above grade plane only - building up to 4 stories above grade plane - building area maximum 30,000 ft ² - maximum of 4 non-residential tenant spaces in building - maximum of 8 dwelling and/or sleeping units in building - each tenant space and common areas must be permitted separately (see below) UNLESS entire building is vacant
INDIVIDUAL TENANT SPACES, DWELLING UNITS, AND COMMON AREAS IN EXISTING BUILDINGS (Work in high-rise buildings requires written pre-approval)		
Separately-owned dwelling unit in Group R-2 or R-5 (condominium or cooperative apartment)	- residential sales centers and model units - alterations to single unit before initial occupancy	- alterations or repairs only; NO additions - no change of occupancy
Single-tenant Group A (with occupant load less than 300), B or M space in building WITHOUT residential occupancy	- first time buildout of Group A tenant space (any area) - first time buildout of Group B tenant space (any area) - first time buildout of Group M tenant space up to 30,000 ft ² - multi-story tenant spaces allowed	- alterations or repairs only; NO additions - multi-story tenant spaces allowed - 30,000 ft ² maximum floor area for Group M without written preapproval
Single-tenant Group A (with occupant load less than 300), B or M space in building WITH residential occupancy	- first time buildout of Group A tenant space (any area) - first time buildout of Group B tenant space (any area) - first time buildout of Group M tenant space up to 30,000 ft ² - single-story tenant spaces ONLY	- alterations or repairs only; NO additions - single-story tenant spaces ONLY - 30,000 ft ² maximum floor area for Group M without written preapproval
Common areas or systems in multiple dwelling or multi-tenant commercial building	<i>Not applicable.</i>	- alterations or repairs only; NO additions - exterior wall / window replacement work allowed - must be permitted separately from work within dwelling units or tenant spaces

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Structural Peer Review Required

TABLE C-2 (2020): STRUCTURAL PEER REVIEW REQUIREMENTS

Use or Occupancy Classification of Finished Building	Scope of Work	
	New Construction & Additions	Repairs, Renovations & Alterations
All buildings	<ul style="list-style-type: none"> - work includes adding balcony to existing building - work includes construction within 1 foot of property line - work includes excavation ≥ 10 feet below grade 	Structural scope of work includes: <ul style="list-style-type: none"> - adding, altering, or removing load-bearing elements - adding, altering, or removing floor openings - use of earth retention system
Exclusively residential use	<ul style="list-style-type: none"> - scope of work exceeds 3 stories above grade plane - scope of work includes occupiable rooftop above third story above grade plane 	<ul style="list-style-type: none"> - structural scope of work in building greater than 3 stories above grade plane
Any non-residential use	<ul style="list-style-type: none"> - scope of work exceeds 1 story above grade plane - scope of work includes occupiable rooftop above second story above grade plane - work includes excavation ≥ 5 feet below grade within 5 feet of an existing building 	<ul style="list-style-type: none"> - structural scope of work in building greater than 1 story above grade plane

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Disqualifying Features

TABLE D (2020): DISQUALIFYING FEATURES

<p>Use and Occupancy:</p> <ul style="list-style-type: none"> - increase in number of permitted dwelling units - new construction or addition of Group E or I occupancy - any work involving Group A occupancy or occupancies with total occupant load greater than 299 - any work involving below-grade Group A occupancy - any work involving Group E-2 or I-4 occupancy - any work involving below-grade Group M - any work involving a Group F, H, or S-1 occupancy or Group S-2 occupancy other than a garage - any work involving a Group U occupancy other than fences, sheds, carports, and private garages and temporary tents, canopies and stages - any work involving congregate living facilities - any work involving ambulatory care facility 	<p>Use and Occupancy (continued):</p> <ul style="list-style-type: none"> - any work involving a Wrigley Field-adjacent rooftop deck - any work involving a distillery - any change of occupancy where the original and new classifications are other than Group A (with occupant load less than 300), B or M - any work involving a technology equipment area greater than 150 ft² <p>Height and Area:</p> <ul style="list-style-type: none"> - any new construction or addition resulting in a building with building area exceeding 30,000 ft² - any new construction or addition resulting in a building exceeding 4 stories above grade plane - any new construction or addition resulting in a building exceeding 55 feet in building height 	<p>Specialized Review or Department Pre-Approval Required:</p> <ul style="list-style-type: none"> - any work requiring Alternative Code Approval, unless such approval has been granted prior to filing the permit application - any work requiring approval by the Committee on Standards and Tests - any work in a building exceeding 80 feet in height (high rise building) without written preapproval from the Department - any work involving Group M occupancy with gross area exceeding 30,000 ft² without written preapproval from the Commissioner - any work involving modular construction without written preapproval from the Commissioner
--	--	---

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Pre-Submission Requirements

- Complete a thorough on-site investigation
- Thoroughly review all documents to be submitted as part of the permit application, including those prepared by other professionals
- Complete, sign and seal the Self-Certification Statement
- Obtain a signed Applicant Acknowledgment and Hold Harmless letter from your client



47

Self-Certifying Revision Permits

- Requires written preapproval from DOB (email selfcert@cityofchicago.org to submit a detailed explanation)
- Revision permits must follow DOB guidelines (see DOB web site)
 - Only include cover sheet + sheets that are changing
 - Changes must be bubbled and keyed/dated
 - Omit revision clouds, if any, from original permit review

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Prototype-based Self-Certification

TABLE L (2020): PROTOTYPE ELIGIBLE PROJECTS

Occupancy Classification	Conditions
Group A (occupant load less than 300)	- up to 2 stories above grade plane - no more than one basement
Group B	- up to 4 stories above grade plane - no more than one basement
Group M	- up to 2 stories above grade plane - no more than one basement
Group R	- up to 4 stories above grade plane - no more than one basement - any number of dwelling units or sleeping units
Group S-2 (parking garage only)	- up to 1 story above grade plane - no more than 1 basement
Mixed Occupancy (any combination of A, B, M, R, or S-2 allowed above)	- up to 4 stories above grade plane - Group A, M and S-2 occupancies limited to basement and first story above grade plane

49

Temporary Structure Self-Certification

- Eligible:
 - Temporary tents and canopies up to 4,000 square feet
 - Temporary stages
 - Max occupant load 299
 - Other temporary structures to be used for assembly, business or mercantile occupancy
- SCP must conduct a pre-occupancy inspection



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Professional Registration

- Eligibility criteria
- Disqualifying criteria
- Only natural persons (not firms)
- Must maintain \$500K/claim \$1 million aggregate professional liability insurance policy
- Insurance may be held by a firm/employer
- 6-year registration term



51

Ongoing Obligations

- Notify DOB within 10 days if they become ineligible (e.g. professional discipline by another jurisdiction)
- Notify DOB within 5 days of becoming aware of false statements in permit applications
- Notify DOB within 5 days (24 hours for temporary structures) of becoming aware of work contrary to permit
- Cooperate with DOB in addressing non-compliance.
- Work with permit applicant and DOB to prepare revised drawings to address non-compliance.

52

Field Inspection and Audit

- DOB can review before issuance
- DOB can redirect a deficient self-certified application to standard plan review
- All self-certified permits are subject to field inspection
- DOB may conduct post-permit-issuance audit
- Audits may be random or judgmental
- Points assigned for deficiencies



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Deficiencies, Suspension, and Revocation

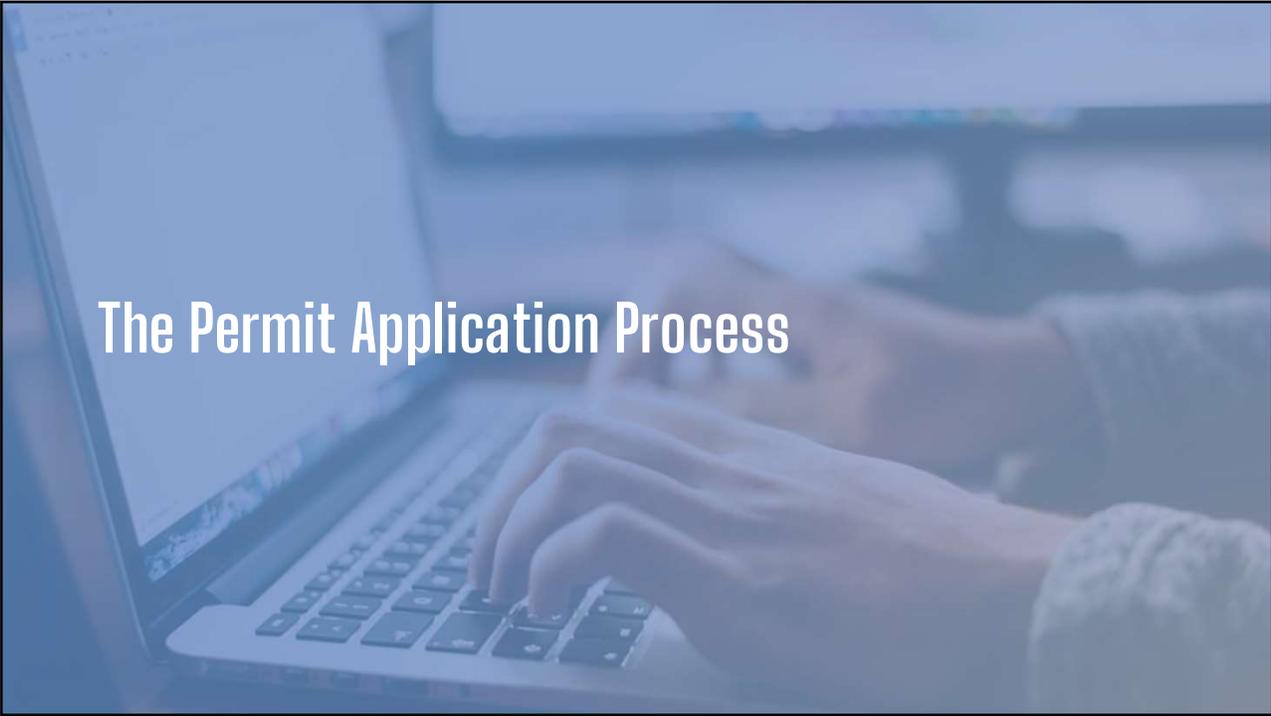
- Conditions assigned 1, 2 or 5 points
- Any points: **warning**
- 5 points within 365 days or 10 points within 6-year registration period -> **suspension**
- 10 points within 365 days or 20 points within 6-year registration period -> **revocation**



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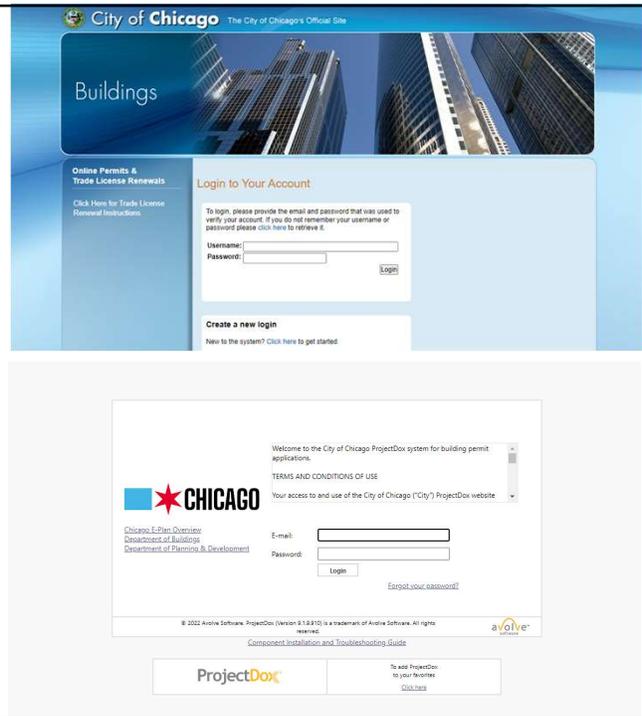
56



57

E-Plan = Dynamic Portal + ProjectDox

- For nearly a decade, Chicago has had electronic plan review for permit applications with plans
- Applications start in the Dynamic Portal (Hansen)
- Plans are uploaded and reviewed using ProjectDox



58

Before Starting a Permit Application

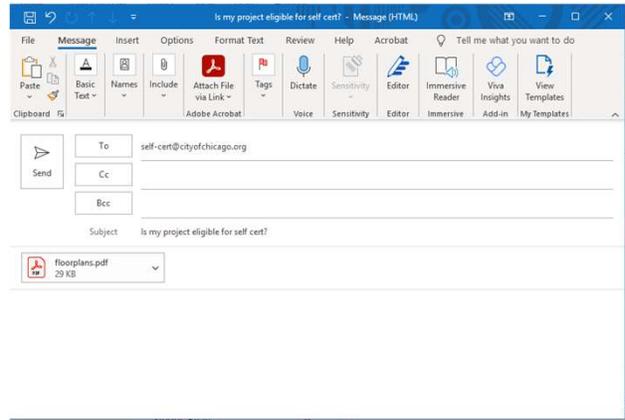
- The Dynamic Portal is in the process of being replaced
- Before starting an online application, review **Interim Instructions** for project type
- Begin completing Form 400 (PDF Building Permit Application)
- Obtain Debt Clearance Certificate



59

Voluntary Confirmation of Project Eligibility

- If Self-Cert Rules require pre-approval for a scope of work
- If you are unsure if a scope of work is eligible to be Self-Certified
- SelfCert@cityofchicago.org



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Starting a Permit Application

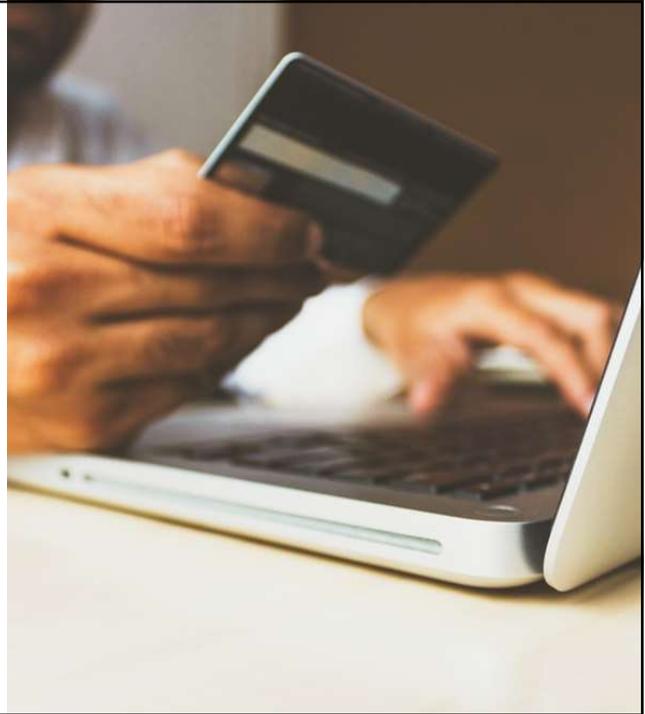
- A Self-Certified Permit Application must be started with the Self-Certification Professional's account (no expeditors)
- Review **Interim Instructions** before beginning
- Begin completing Form 400



61

Permit Fee Deposit

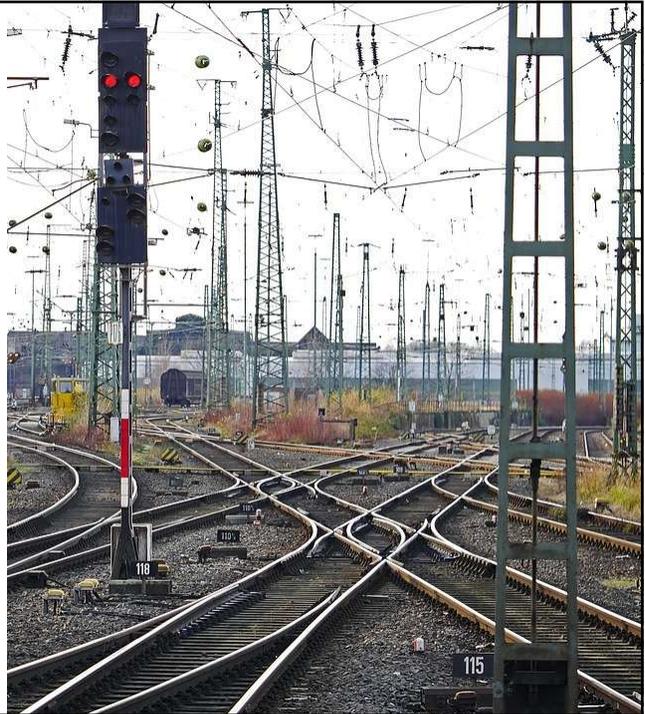
- **\$300 deposit** toward building permit fee
- **\$75 zoning fee** unless over 10,000 square feet or in-person zoning review requested
- Pay online or at Department of Finance payment center with 9-digit application #



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No Switching!

- Before paying the deposit, verify that you have started a Self-Certified application
- DOB will not switch application types or credit deposits to a new application



63

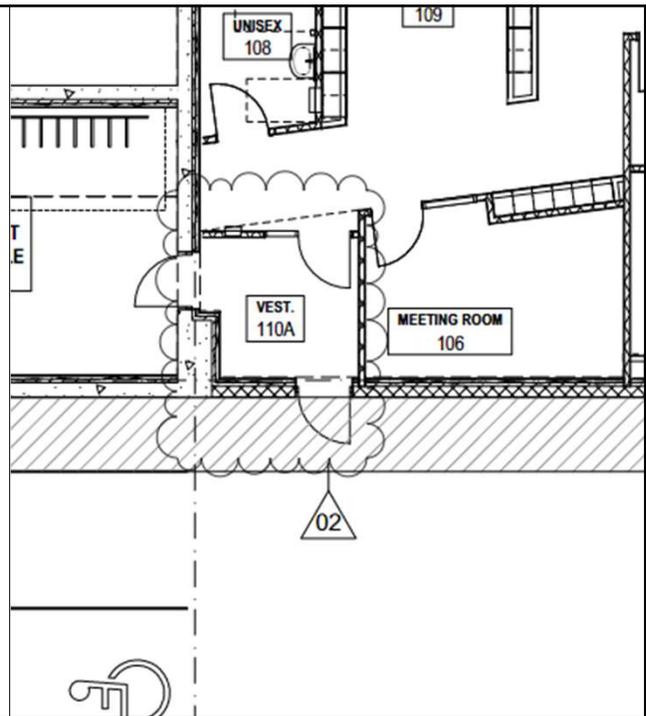
Other Reviews

- The following other departmental reviews may be required and cannot be self-certified:
- Stormwater regulated development or sunken driveway
- Accessibility for project with government funding
- Landmarks/historic preservation
- Air-pollution control (Environmental)
- Office of Underground Coordination (OUC)/Geotechnical

66

Responding to Comments

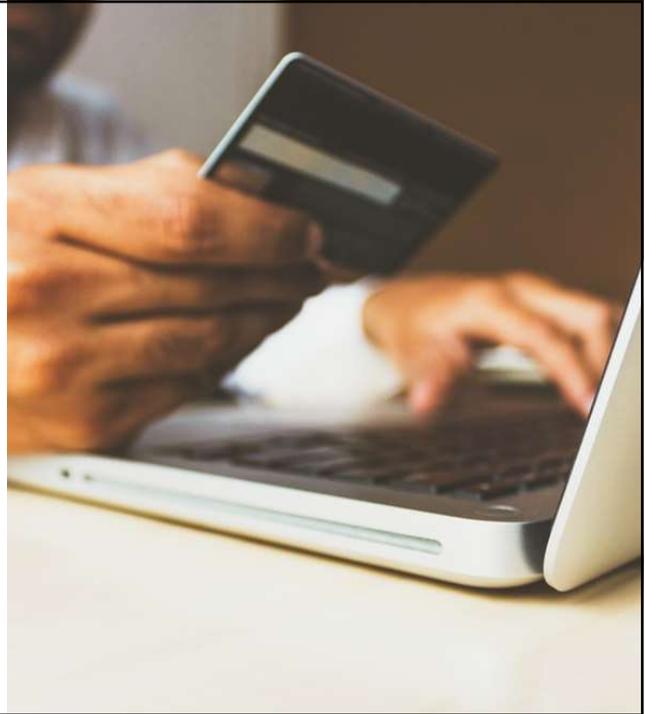
- If you receive corrections, either from zoning or your DOB project administrator, all changes must be bubbled and noted.



67

Ready to Issue

- You will be emailed when your permit is ready to issue
- The balance of the permit fee may be paid online or at a Department of Finance payment center
- Stamped construction documents can be downloaded from ProjectDox



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Construction and Inspections

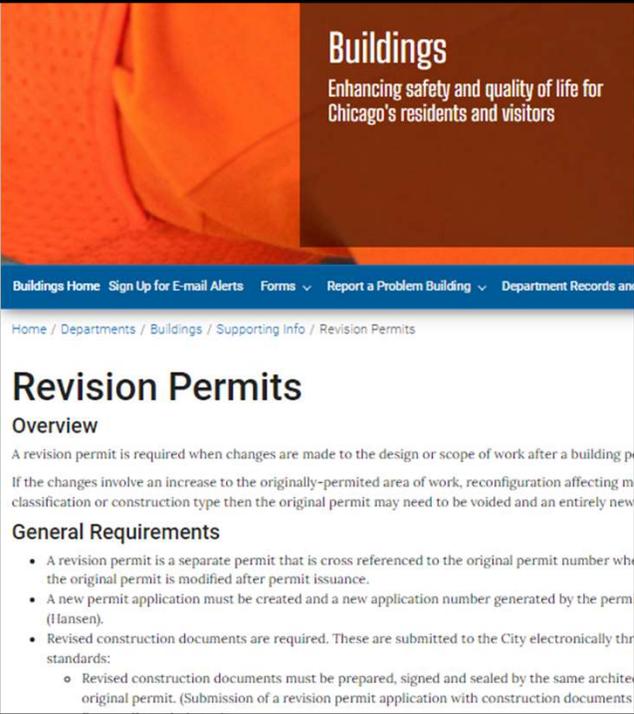
- Work cannot start until you have paid the permit fee, printed the permit certificate and posted it at the work site
- Progress inspections must be requested online



69

Revisions

- All self-cert revisions require preapproval from DOB
- Follow DOB guidelines for revision permits when preparing construction documents
- Significant changes may require a replacement permit



Buildings
Enhancing safety and quality of life for Chicago's residents and visitors

Buildings Home Sign Up for E-mail Alerts Forms Report a Problem Building Department Records and Reports

Home / Departments / Buildings / Supporting Info / Revision Permits

Revision Permits

Overview

A revision permit is required when changes are made to the design or scope of work after a building permit is issued. If the changes involve an increase to the originally-permitted area of work, reconfiguration affecting the building's classification or construction type then the original permit may need to be voided and an entirely new permit issued.

General Requirements

- A revision permit is a separate permit that is cross referenced to the original permit number when the original permit is modified after permit issuance.
- A new permit application must be created and a new application number generated by the permit system (I-lansen).
- Revised construction documents are required. These are submitted to the City electronically through the permit system.
 - Revised construction documents must be prepared, signed and sealed by the same architect or engineer who prepared the original permit. (Submission of a revision permit application with construction documents)

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Finding Permit Application Forms

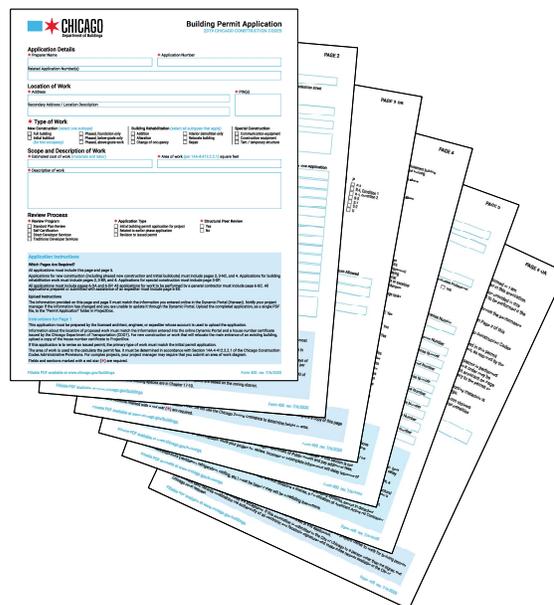
- PDF Permit Application Forms are available on the DOB website
- Select [Forms](#) > [Permit Forms](#) in the top menu on any page
- Download forms from the website for each application to ensure you are using the current version
- Do not attempt to fill out form in browser.



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Form 400

- The PDF Building Permit Application (Form 400) must be completed and uploaded to ProjectDox.
- DOB recommends starting to fill out Form 400 before starting the online permit application to ensure information matches.



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Form 400, Page 1 Basic Information and Review Process

- Complete this page carefully.
- Failure to complete this page accurately may result in your application being denied for self-certification.
- Permit will be delayed if information does not match what was entered online.



Building Permit Application
2019 CHICAGO CONSTRUCTION CODES

Application Details

* Preparer Name * Application Number

Related Application Number(s)

Location of Work

* Address * PIN(s)

Secondary Address / Location Description

*** Type of Work**

New Construction (select one subtype)		Building Rehabilitation (select all subtypes that apply)		Special Construction
<input type="checkbox"/> Full building	<input type="checkbox"/> Phased, foundation only	<input type="checkbox"/> Addition	<input type="checkbox"/> Interior demolition only	<input type="checkbox"/> Communication equipment
<input type="checkbox"/> Initial buildout	<input type="checkbox"/> Phased, below-grade only	<input type="checkbox"/> Alteration	<input type="checkbox"/> Historic building repair	<input type="checkbox"/> Construction equipment tent / temporary structure
<small>(if first occupancy)</small>	<input type="checkbox"/> Phased, above-grade work	<input type="checkbox"/> Change of occupancy		

Scope and Description of Work

* Estimated cost of work (materials and labor) * Area of work (per 14A-4-412.2.2.1) square feet

* Description of work

Review Process

* Review Program	* Application Type	* Structural Peer Review
<input type="checkbox"/> Standard Plan Review	<input type="checkbox"/> Initial building permit application for project	<input type="checkbox"/> Yes
<input type="checkbox"/> Self-Certification	<input type="checkbox"/> Related to earlier phase application	<input type="checkbox"/> No
<input type="checkbox"/> Direct Developer Services	<input type="checkbox"/> Revision to issued permit	
<input type="checkbox"/> Traditional Developer Services		

Application Instructions

Which Pages Are Required?
All applications must include this page and page 5.

Applications for new construction (including phased new construction and initial buildouts) must include pages 2, 3-NC, and 4. Applications for building rehabilitation work must include pages 2, 3-RS, and 4. Applications for special construction must include page 3-SR.

All applications must include pages 6-OA and 6-DP. All applications for work to be performed by a general contractor must include page 6-GC. All applications prepared or submitted with assistance of an expediter must include page 6-EX.

Upload Instructions
The information provided on this page and page 5 must match the information you entered online in the Dynamic Portal (Mansae). Notify your project manager if the information has changed and you are unable to update it through the Dynamic Portal. Upload the completed application, as a single PDF file, to the "Permit Application" folder in ProjectDox.

Instructions for Page 1
This application must be prepared by the licensed architect, engineer, or expediter whose account is used to upload the application.

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Form 400, Page 2 Zoning Information

- Most information on this page is optional, but providing this information will expedite your zoning review

PAGE 2

Zoning Lot Information

Zoning district (or planned development number) * Land area (for FAR) (square feet)

Special Conditions Chicago Landmark Lakefront protection Overlay district Pedestrian street

Zoning Use Information

* Existing zoning use(s) (per 17-17-0100)

* Proposed zoning use(s) (per 17-17-0100)

Zoning use narrative

Bulk and Density Standards

	Requirement	Existing on Zoning Lot	Proposed Under this Application
Front setback (feet)	<input type="text"/> minimum	<input type="text"/>	<input type="text"/>
Rear setback (feet)	<input type="text"/> minimum	<input type="text"/>	<input type="text"/>
Left side setback (feet)	<input type="text"/> minimum	<input type="text"/>	<input type="text"/>
Right side setback (feet)	<input type="text"/> minimum	<input type="text"/>	<input type="text"/>
Combined side setbacks (feet)	<input type="text"/> minimum	<input type="text"/>	<input type="text"/>
* Floor area (F _F) (per 17-17-0355 A)	<input type="text"/>	<input type="text"/>	<input type="text"/>
Floor area ratio (FAR)	<input type="text"/> maximum	<input type="text"/>	<input type="text"/>
* Building height (feet) (per 17-17-0311)	<input type="text"/> maximum	<input type="text"/>	<input type="text"/>
* Number of dwelling units	<input type="text"/>	<input type="text"/>	<input type="text"/>
Lot area per dwelling unit (F _F /Unit)	<input type="text"/> minimum	<input type="text"/>	<input type="text"/>
Rear yard open space (F _F)	<input type="text"/> minimum	<input type="text"/>	<input type="text"/>
On-site parking spaces	<input type="text"/> minimum	<input type="text"/>	<input type="text"/>
On-site loading spaces	<input type="text"/> minimum	<input type="text"/>	<input type="text"/>
Bulk and density narrative	<input style="height: 20px;" type="text"/>		

Instructions for Page 2
Complete this page based on the Chicago Zoning Ordinance (Title 17 of the Municipal Code of Chicago) and not the Chicago Building Code. In most cases, the building height and floor area entered on this page will be different from the values entered on Page 3. Fields and sections that are not marked with a star are optional, however providing complete information on this form will assist city employees in quickly and accurately reviewing this application. For any application proposing an increase in floor area or a change in use category, "land area (for FAR)" must match a survey dated within 60 days of

75

Form 400, Page 3 Type and Scope of Work

- Submit only one version of page 3:
- New construction (3-NC)
- Building rehabilitation (3-BR)
- Special construction (3-SP)
- Strike out or remove the inapplicable pages

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Form 400, Page 4 Scope Details and Routing Questions

- Complete this page carefully.
- Failure to complete this page accurately may result in your application being denied for self-certification.

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Form 401 Applicant as Contractor

- Form required if:
 - Owner-occupant of residential building with 6 or fewer units on site (3 stories or less) acting as General Contractor
 - Owner-occupant of detached single-family home performing all plumbing work
 - Owner-occupant of residential building with 6 or fewer units on site (3 stories or less) acting as Mason Contractor

Applicant Acting As Contractor
2019 CHICAGO CONSTRUCTION CODES

Application Details

* Project Address * Permit Application Number

Certification by Occupant Acting As General Contractor at Property Containing Primary Residence

By signing below, I certify:

- I live at the property where work will be done, and it is my primary residence.
- My primary residence is (check one):
 - A detached single-family residential building.
 - A multiple-family residential building that does not exceed three stories above grade and contains six or fewer dwelling units.
- The property does not contain any non-residential uses.
- During this calendar year, I have not claimed another property as my primary residence for purposes of acting as general contractor.
- I am assuming all the responsibilities assigned to a general contractor by the Chicago Construction Codes, including but not limited to ensuring construction activities are undertaken in accordance with applicable health and safety requirements, construction is completed in accordance with the permitted construction documents, required inspections are scheduled and completed, and deficiencies in the construction are corrected before completion.

Signature Date

Printed Name Phone Number Email

Certification by Owner, Occupant or Lessee of Detached Single-Family Residence Acting as Plumber

By signing below, I certify:

- The building where plumbing work is to be done is a detached single-family residence.
- I am an occupant of the building where plumbing work is to be done, or it is being built for my occupancy.
- I will personally be doing all of the plumbing work under this permit, without assistance from any person who is not an occupant of the building or a person who intends to occupy the building or a licensed plumbing contractor listed on the permit application.
- The plumbing work performed by me will conform to the permitted construction documents and the requirements of the Chicago Plumbing Code. I will correct known deficiencies in the plumbing work before completion.

Signature Date

Printed Name Phone Number Email

Instructions
This form must be completed and signed by both the property owner (or agent) and an Illinois-licensed architect or structural engineer and filed with the building permit or wrecking permit application when the permit includes excavation, construction, or demolition work occurring either:

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Form 402 Excavation Certification

- An excavation certification and supporting documents must be uploaded if:
 - Excavation (including demolition) more than 5 feet below grade and within 5 feet of a building on another lot or the public way
 - Excavation more than 10 feet below grade at any location

Excavation Certification
2019 CHICAGO CONSTRUCTION CODES

Application Details

* Project Address * Permit Application Number

Certification by Property Owner or Property Owner's Agent

By signing below, I certify:

- I am an owner of the property (real estate) where the excavation work is to be performed or I am authorized to act as agent of the property owner(s) for the purpose of executing this excavation certification and obtaining a permit for excavation work.
- The requirement to notify owners of adjacent properties (described below) has been complied with as of:
 - * Date notice(s) mailed or personally delivered
 - * Earliest date excavation work may begin (30 days after notice date)
- A copy of the notice and proof of mailing and/or affidavits of personal delivery are attached to this form.

* Signature * Date

* Printed Name * Phone Number * Email

Certification by Licensed Design Professional

By signing below, I certify:

- I have evaluated the property where work is to be performed and the scope of work described in the permit application noted above. In my professional opinion as an Illinois-licensed architect or structural engineer: (select one)
 - This work **REQUIRES** reinforcement or bracing to protect the public way or structures on adjacent properties.
 - This work **DOES NOT REQUIRE** reinforcement or bracing to protect the public way or structures on adjacent properties.

* Signature * Date * Professional Seal

* Printed Name * Phone Number

* Illinois License Number * Email

Instructions
This form must be completed and signed by both the property owner (or agent) and an Illinois-licensed architect or structural engineer and filed with the building permit or wrecking permit application when the permit includes excavation, construction, or demolition work occurring either:

- More than 5 feet vertically below existing grade and within 5 feet horizontally of a building or structure on a different lot.
- More than 5 feet vertically below existing grade and within 5 feet horizontally of the public way (including sidewalks, streets, and alleys).
- More than 10 feet vertically below existing grade at any location.

Fields and sections marked with a red star (*) are required.

Excavation work must be performed or overseen by a general contractor. Where a property owner is authorized to act as general contractor pursuant to Chapter 4-36 of the Municipal Code, a certificate evidencing \$1 million of general liability insurance, naming the City of Chicago as an additional insured on a primary, non-contributory basis and meeting other requirements for general contractor insurance must be submitted with this form.

Digital, electronic and facsimile signatures and seals are acceptable. If this application is submitted to the City of Chicago by a person other than the signer, that person must keep records establishing the authenticity of all electronic and facsimile signatures and make those records available to the City of Chicago upon request.

Notice Requirement
Before submitting this form, the property owner must provide written notice to the owners of adjacent properties of the anticipated starting date and three dimensional measurements of the proposed excavation work and other below-grade work. The notice must be delivered by certified mail, return

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Form 410 Self-Certification Professional Statement

- This form must be completed by you and uploaded with each self-certified permit application
- It acknowledges your compliance with the Self-Cert program rules



Self-Certification Professional Statement
SELF-CERTIFICATION PERMIT PROGRAM

Application Details

* Project Address * Permit Application Number

*** Certification by Self-Certification Professional**

By signing and sealing this form, I certify:

- I am currently registered as a Self-Certification Professional, and I meet all eligibility requirements set forth in Rule O of the Rules for the Self-Certification Permit Program effective January 3, 2020 ("the Rules").
- I have determined that this scope of work is eligible to use the Self-Certification Permit Program pursuant to the Rules.
- I have determined, pursuant to the Rules, that this scope of work:
 - Does NOT require a Structural Peer Review Report.
 - Requires a Structural Peer Review Report and one is included with the application.
- I have reviewed all documents being submitted in connection with this permit application, including any documents prepared and signed or sealed by others, and I have determined that the work described in the permit application and construction documents will conform to the requirements of the Chicago Construction Codes.
- Before submitting this application for review by the Department of Buildings, I have obtained all approvals required by the Chicago Construction Codes and resolved any questions I have about how to apply the Chicago Construction Codes to the proposed work.
- This Self-Certification Professional Statement and all other documents which are part of this permit application and sealed by me were prepared in accordance with the standard of care applicable to the practice of architecture in the State of Illinois.
- All information and assertions made by me in this permit application are true and correct.
- I understand and will comply with my ongoing obligations under Rule T of the Rules.
- I understand that the City of Chicago is relying on the truth and accuracy of this Self-Certification Professional Statement as the basis for issuing a permit, and such permit will be subject to field inspection and/or audit in accordance with the Rules.

* Signature * Date * Professional Seal

* Printed Name * Illinois License Number

[Instructions](#)

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Form 411 Applicant Acknowledgement and Hold Harmless

- A completed version of this form must be uploaded to ProjectDox with each self-certified application
- This form must be completed by your client to acknowledge conditions of participation in the Self-Cert Permit Program



Applicant Acknowledgement and Hold Harmless
SELF-CERTIFICATION PERMIT PROGRAM

Application Details

* Project Address * Permit Application Number

Permit Applicant Acknowledgement of Self-Certification Permit Program Terms

By signing below, I acknowledge:

- I have authorized this permit application to be submitted under the City of Chicago's Self-Certification Permit Program and understand that it will be subject to the program's rules, which are available on the Department of Buildings web site.
- Under the Self-Certification Permit Program, an Illinois-licensed architect or structural engineer who has completed additional training with the Department of Buildings (a "Self-Certification Professional") takes full responsibility for code compliance of proposed work for small and sized projects that do not present unusual hazards. For some types of work, an additional architect or structural engineer must prepare a Structural Peer Review Report to verify the structural design is code compliant. The City conducts only limited reviews of the proposed work before issuing the permit, resulting in a shorter permitting process.
- The permitted work is subject to both field inspection and audit after the permit has issued.
- I have reviewed the permit application (including the associated drawings) with the Self-Certification Professional and, to the best of my knowledge, the application accurately and completely describes the existing condition of the property and the scope of intended work, including the contractor(s) that will perform the work.
- If I later become aware that the permit application contains any false or inaccurate statement, I have an obligation to notify the Department of Buildings in writing.
- If it is later determined during field inspections or post-issuance audit of the permit application that the proposed work does not comply with the Chicago Construction Codes, the permit applicant and/or property owner will be responsible for undertaking additional work, at their own expense, to bring the property into compliance and/or to remove noncompliant work.

* Signature * Date

* Printed Name * Role

Hold Harmless Agreement

By signing below, I agree:

- I the owner of the property where work will be performed or I am authorized to act on behalf of the owner.
- The permit applicant and/or owner of the property where work will be performed will protect, defend, indemnify and hold harmless the City of Chicago and its officers, representatives, agents, and employees against any and all claims, liabilities, judgments, costs, expenses, delays, demands, or injuries arising out of or in any way connected with the design, construction, code compliance review, or issuance of a permit based on this application.
- The permit applicant and/or owner of the property where work will be performed will promptly take all action necessary to bring the project into conformance with the Chicago Construction Codes including but not limited to securing a revised permit, modifying work performed under the conditional permit, or removing work performed under the conditional permit, at no cost to the City of Chicago, if the Department determines through a field inspection or post-issuance audit that the self-certified drawings and/or work performed under the conditional permit do not comply with the Chicago Construction Codes.

* Signature * Date

* Printed Name * Role

[Instructions](#)

This form must be completed and uploaded to the 'Documents' folder in ProjectDox for each permit application submitted under the Self-Certification Permit Program.
The Permit Applicant Acknowledgement of Self-Certification Permit Program Terms must be completed by the permit applicant or the representative of the permit applicant named on Page 3 of the Building Permit Application.

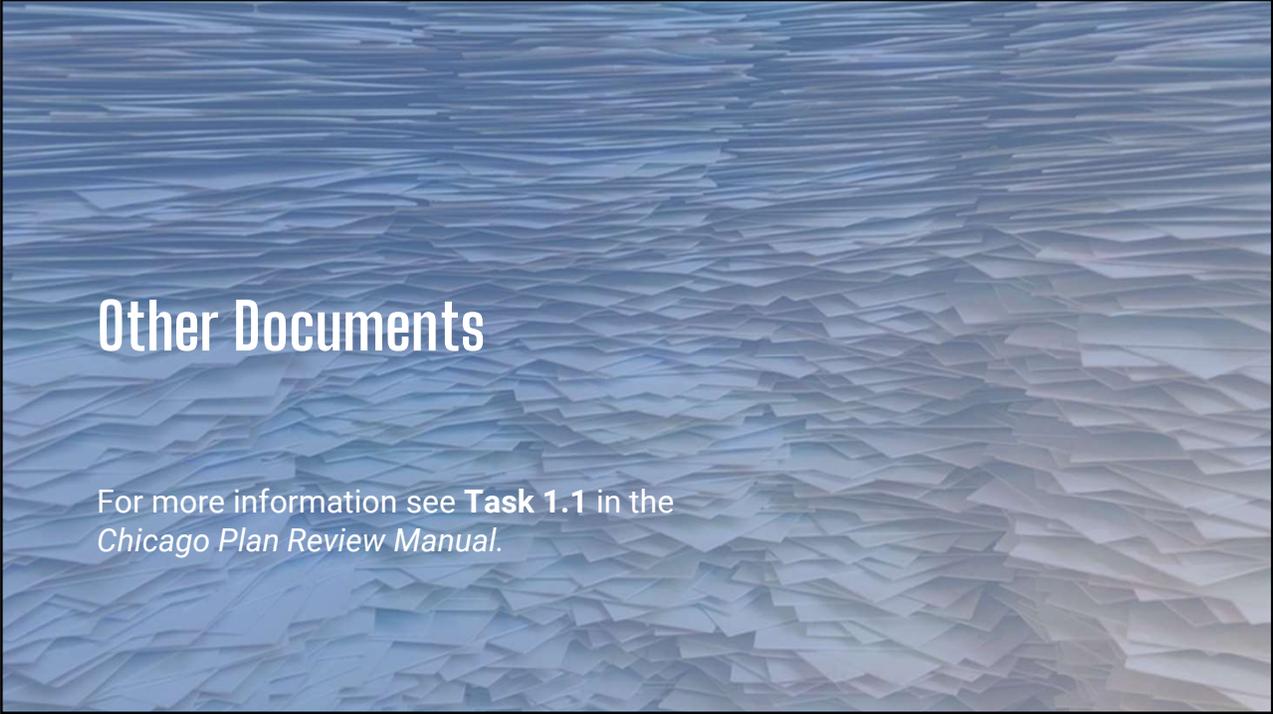
85

**Department of Finance
Debt Clearance
Certificate**

- Building permits cannot be issued if the permit applicant or property owner has unresolved city debt
- In the self-certification process, you must apply for a “Debt Clearance Certificate”
- Certificate valid for 120 days



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House Number (Address) Certificate

A house number certificate must be obtained before an application is started for:

- New principal buildings (not required for accessory buildings without dwelling units, such as garages and sheds)
- Building alterations that will relocate the main building entrance
- Building additions that will use a separate street address

House Number Certificate

City of Chicago Department of Transportation
Division of Maps and Plats

This certificate is valid only for the type listed below:

New Construction

Certificate Number: 68706

Date of Issue: 03/19/2020

This is to certify that the correct number of the building at:
SEE SITE PLAN AND PLAT FOR LEGAL DESCRIPTION ATTACHED

in the City of Chicago is number
160 N PEORIA ST
164 N PEORIA ST

In accordance with plats on file and approved by the Division of Maps and Plats of the City of Chicago. By order of the Commissioner of the Department of Transportation

Gia Biagi
Commissioner of Transportation

Any Variation or changes made to the site plan will invalidate this certificate

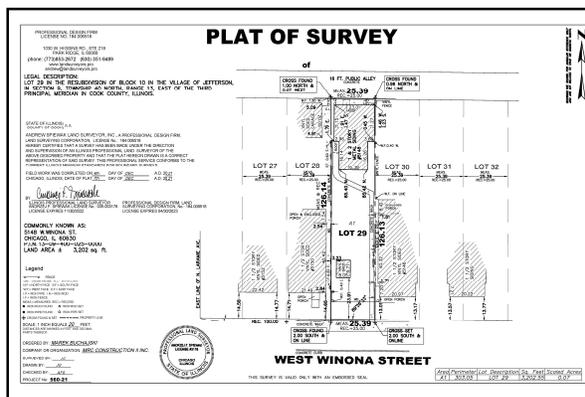
Attention
Please be aware that the above legal address will be conveyed to the Office of Emergency Management and Communication. This is the address in which the CHICAGO POLICE and FIRE DEPARTMENTS will respond in the event of an EMERGENCY.
The main entrance of your building must be located at the above address and clearly labeled. This will also be the location of the fire alarm panel when a fire alarm system is required. The panel must be located within viewing distance of the entrance, as approved by the Fire Prevention Bureau during the Plan Review Process.

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Survey

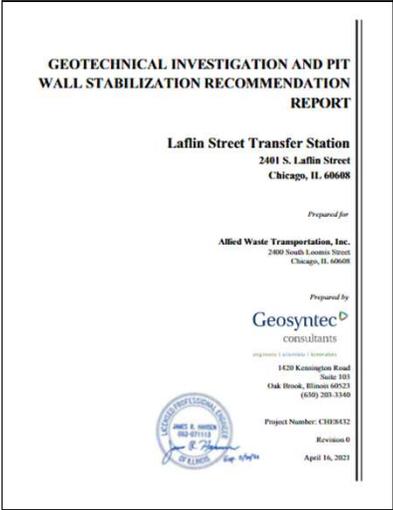
A plat of survey, prepared by an Illinois-licensed land surveyor, must be submitted with a permit application for the following types of work:

- Erecting a new building
- Adding new occupiable floor area to an existing building
- Relocating an existing building
- Work affecting exterior openings or party walls



Zoning may require a survey that is no more than 6 months old.

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Geotechnical Report

- For very small projects, a report is not required.
- For some mid-sized projects, the report is not required for permit but must be obtained and confirm the assumptions used for structural design prior to the start of work.
- For larger projects, a geotechnical report must be submitted with the permit application as a basis for structural design (incl. self-cert).

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Demolition Permit

A permit for construction that anticipates demolition of an existing structure may not be issued without a substantially complete demo permit application or issued demo permit.

The construction permit is conditional, subject to lawful demolition of the existing buildings and existing structures before occupancy.



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	<h2 style="color: #0070C0;">Driveway Permit</h2> <p>A building permit may not be issued if the building will require a driveway across a public sidewalk until the applicant has first obtained a driveway permit from CDOT or CDOT has notified DOB that the application for such a driveway permit is substantially complete and under review.</p>
--	--

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<h2 style="color: #0070C0;">Grant of Privilege / Public Way Use</h2> <ul style="list-style-type: none"> • Online application, processed by the Department of Business Affairs and Consumer Protection (BACP) • 5-year duration • May require City Council approval • Cannot be used for required building features (egress door swing, insulation, etc.) 	
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94

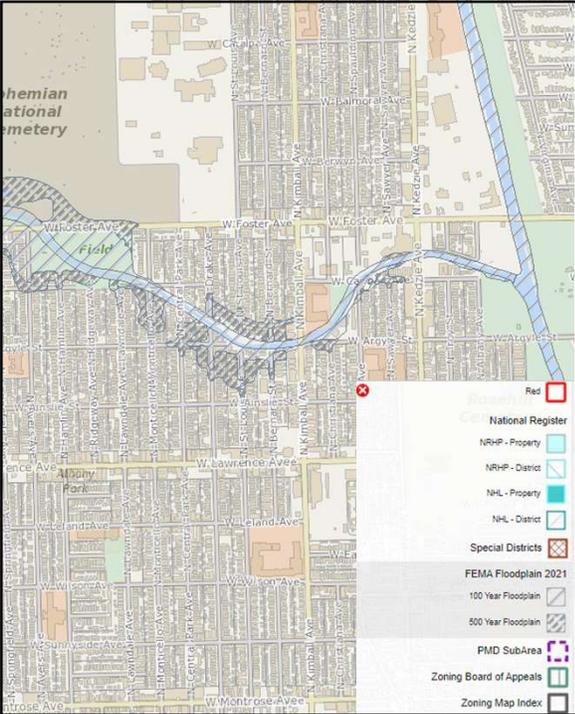


95

The Fire Limits

- Very similar to expanded downtown zoning (D- districts)
- Additional limits on exterior cladding and combustible construction apply
- *Chicago Building Code, Appendix D*

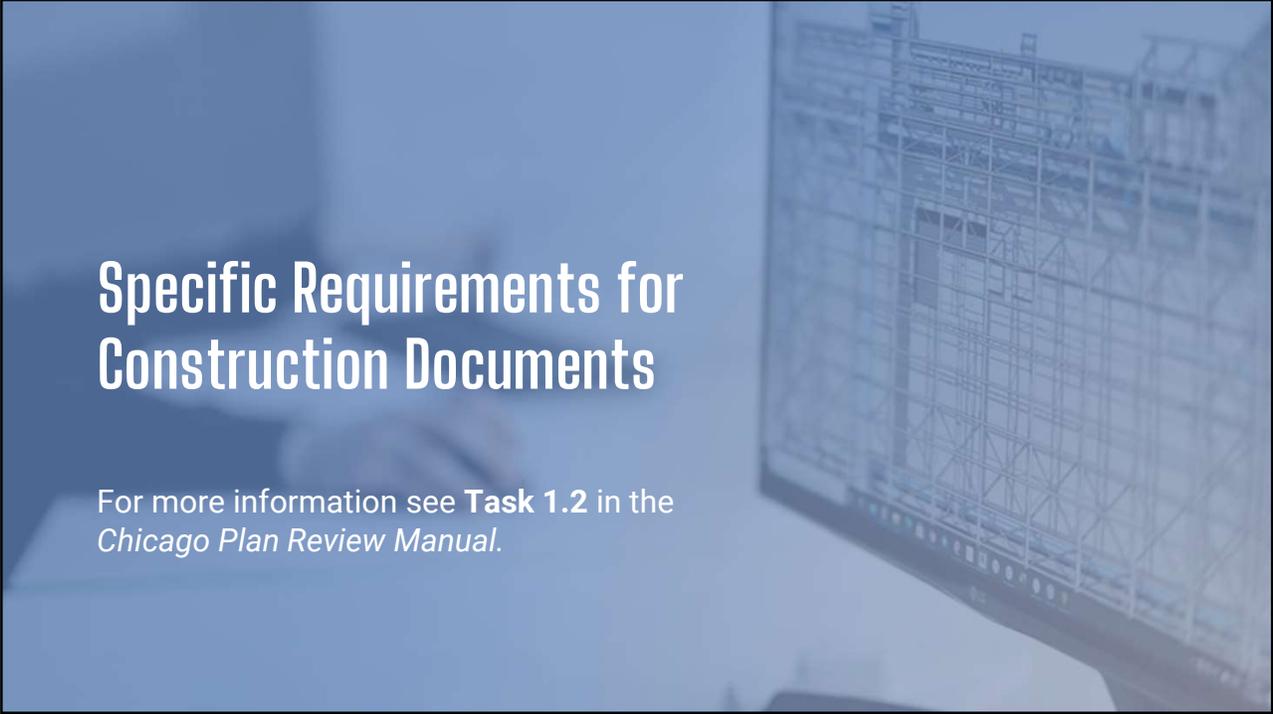
96



Special Flood Hazard Areas

- Established by the Federal Emergency Management Agency (FEMA)
- Adopted by the City of Chicago under the National Flood Insurance Program (NFIP)
- Updated/expanded in 2021
- Available in online Zoning Map

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Specific Requirements for Construction Documents

For more information see **Task 1.2** in the *Chicago Plan Review Manual*.

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Basic Code Compliance Information

Applicants must summarize code compliance on the 1st or 2nd page of the construction documents. This information may be presented in the form of a matrix, a narrative, or diagram(s), so long as all necessary information is included.

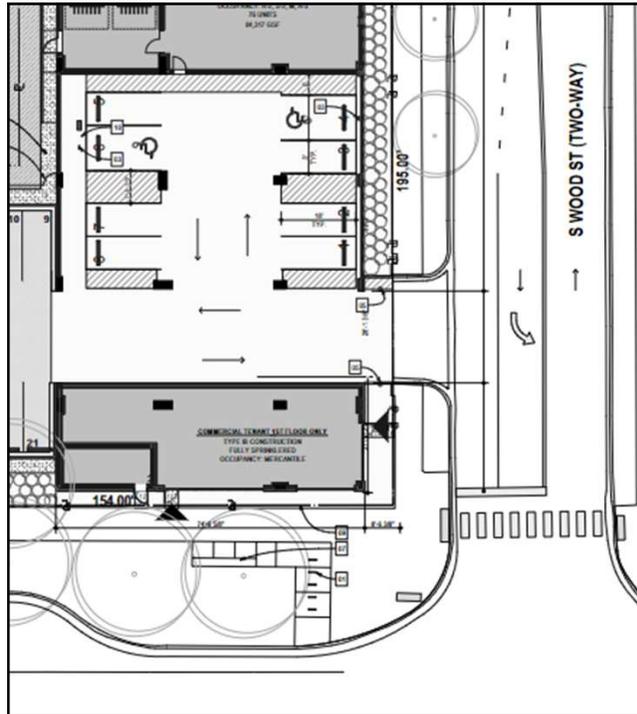
Sample Code Compliance Matrix – Chicago Zoning Ordinance and 2019

The Zoning Ordinance portion of this sample matrix should be completed and incorporated into the construction documents for every building permit which requires a permit application. The remainder of this document is only a suggestion, and you may omit rows that do not apply to your project or elect to use another format to summarize information as long as the format adequately directs a reviewer to the specific sheet or location in the permit application documents where the requirement is shown to be met. Additional data may be included as needed.

Item	Subject	Code Reference	Ordinance Requirement
Chicago Zoning Ordinance Requirements			
Z.01	Zoning District / Planned Development No.	zoning map	
Z.02	Existing Zoning Use(s)	17-17-0100	
Z.03	Proposed Zoning Use(s)	17-17-0100	
Z.04	Chicago Landmark Designation	recorded deed restriction	
Z.05	Lakefront Protection District	zoning map, Ch. 16-4	
Z.06	Zoning Overlay District	zoning map, Ch. 17-7	
Z.07	Pedestrian Street	zoning map, 17-3-0500	
Z.08	Lot Area	17-17-0302	
Z.09	Floor Area Ratio (FAR)	varies by district	
Z.10	Total Floor Area	17-17-0305, varies by district	
Z.11	Building Height	17-17-0311, varies by district	
Z.12	Front Setback	17-17-0306, varies by district	
Z.13	Combined Side Setbacks	17-17-0308, varies by district	
Z.14	Rear Setback	17-17-0307, varies by district	
Z.15	Rear Yard / On-site Open Space	17-2-0307, 17-4-0410	
Z.16	Number of Dwelling Units	varies by district	
	Number of Efficiency Units (include above)	varies by district	
Z.17	Number of Off-street Parking Spaces	17-10-0200	
	EVSE-ready Parking Spaces (include above)	17-10-1011 (eff. 11/1/20)	
Z.18	Number of Off-street Loading Spaces	17-10-1100	
Z.19	Landscape Ordinance Compliance	Ch. 17-11	
Z.20	Townhouse Development Standards	17-2-0500	
Z.21	Planned Development Standards	Ch. 17-8	
Z.22	Open Space Impact Fee Worksheet	Ch. 16-18	
Z.23	Affordable Requirements Ordinance (ARO) Forms	Ch. 2-44	
Z.24	Plat of Survey	17-13-1302-B	
2019 Chicago Building Code Requirements			
B.03.01	Proposed Occupancy Classification(s)	148-9-302.1	--
B.03.02	Existing Occupancy Classification(s)	148-9-302.4, Ch. 148-9	--
B.04.01	Special Occupancy Conditions	Ch. 148-4	

City of Chicago Department of Buildings

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Site Plan

Construction documents must include a scaled site plan showing:

- The size and location of existing and proposed structures on the lot
- Distances from buildings and structures to property lines
- The established grade of the adjoining public way
- Proposed finished site grade(s)

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Occupancy Classification and Use Designation

Construction documents must indicate the existing and proposed occupancy classification and use designation of every existing building, and every building proposed to be erected, added to, or moved onto the lot under the permit.

Chapter / Article	Ordinance Requirement	Actual
REQUIREMENTS		
14B-3-201 4B-4-406.3.1	occupancy:	R-2 residential
14B-3-201, 4B-4-406.3.1	occupancy:	M mercantile
14B-3-201, 4B-4-406.3.1	occupancy:	S storage
14B-3-201, 4B-4-406.3.1	occupancy:	A-3 assemblies
14B-5-508.4	Separated occupancies shall be individually classified in accordance with 302.1. Each separated space shall comply with this code based on the occupancy classification of that portion of the building. The most restrictive provisions of Chapter 9 that apply to the separate occupancies shall apply to the total non fire-barrier-separated occupancy areas. Occupancy separations that serve to define fire area limits established in Chapter 9 for requiring a fire protection system shall also comply with Section 901.7.	complies
4B-5-508.4.2	In each story, the building area shall be such that the sum of the ratios of the actual building area of each separated occupancy divided by the allowable building area of each separated occupancy shall not exceed 1.	complies

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Special Occupancies and Uses	
Interim Chicago Fire Prevention Code (Title 14F)	Chicago Building Code (Title 14B)
Acetylene gas (15-4-160, Ch. 15-26)	• Aircraft-related occupancies (412)
Aerosols (15-26-790)	• Ambulatory care facilities (422)
Ammonium nitrate (15-4-130, Ch. 15-28, Art. VI)	• Atriums (404)
Asphalt, tar, pitch, resin, and paraffin (Ch. 15-28, Art. V)	• Combustible storage (413)
Calcium carbide (15-4-160, Ch. 15-26)	• Groups I-1, R-1, R-2, R-3, R-4, and R-5 (420)
Chlorine gas (15-26-800)	• Group I-2 (407)
Combustible solids, including combustible fibers (Ch. 15-28, Art. XII)	• Group I-3 (408)
Corrosive liquids (15-4-130, Ch. 15-28, Art. X)	• Hazardous materials (414)
Dipping and roll coating (Ch. 15-24, Art. VII)	• High-rise buildings (403)
Dry cleaning (Ch. 15-24, Art. IX)	• Live/work units (419)
Drying activities (Ch. 15-24, Art. VIII)	• Motion picture projection rooms (409)
Explosives (15-4-300, Ch. 15-20)	• Motor-vehicle related occupancies (406)
Energy storage systems (Ch. 14F-12)	• Stages, platforms, and technical production areas (410)
Firewood (15-4-256, -257)	• Special amusement buildings (411)
Flammable liquids (15-4-210, Ch. 15-24, Arts. II-V)	• Underground buildings (405)
Fuel oil (15-4-258, -259)	
Fume hazard gas (15-4-130, 15-4-230)	
Hazardous chemicals (Ch. 15-28, Art. II)	

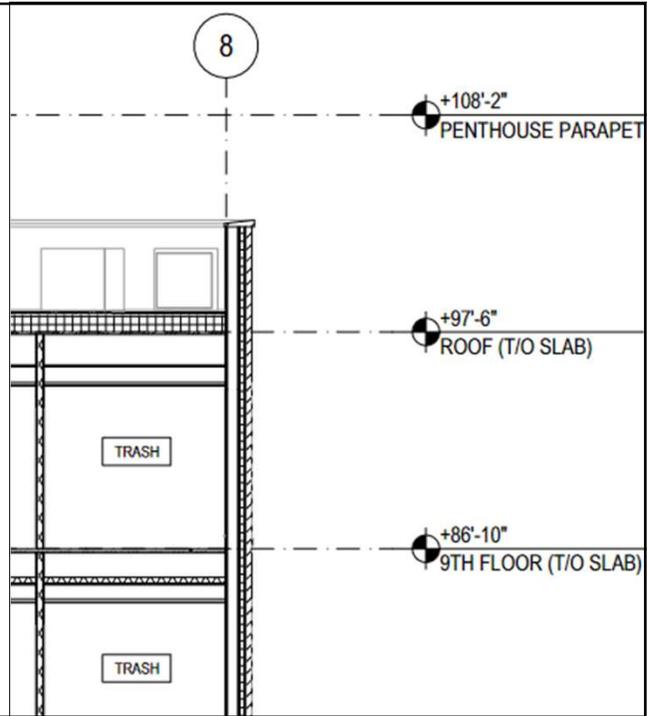
Special Occupancies and Uses

- The permit application and construction documents must indicate where an existing or proposed building contains an occupancy or use for which specialized requirements are provided in the *Chicago Fire Prevention Code* or Chapter 4 of the *Chicago Building Code*.

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Height and Area

Where height and area measurements determined in accordance with the Zoning Ordinance differ from the measurements determined in accordance with Chapter 2 of the Chicago Building Code (usually), both measurements must be indicated on the construction documents, and the basis of measurement must be clearly identified.



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FIRE SEPARATION	construction classification primary structural frame	14B-6-601	I-B: 2 hr and per	
	construction classification exterior bearing walls	14B-6-601	I-B: 2 hr and per 602	
	exterior bearing walls fire separation distance $5 < X < 10$	14B-6-602	I-B construct R-2, M, A-3	
	exterior bearing walls fire separation distance $X > 30$	14B-6-602	I-B construct R-2, M, A-3	
	exterior nonbearing walls fire separation distance $5 < X < 10$	14B-6-601	I-B construct R-2, M, A-3	
	exterior nonbearing walls fire separation distance $X > 30$	14B-6-601	I-B construct R-2, M, A-3	
	construction classification interior bearing walls	14B-6-601	I-B: 2 hr	
	construction classification interior nonbearing walls and partitions	14B-6-601	I-B: 0 hr	
	construction classification floor construction and associated secondary members	14B-6-601	I-B: 2 hr	
	construction classification roof construction and associated secondary members	14B-6-601	I-B: 1 hr	

Construction Type

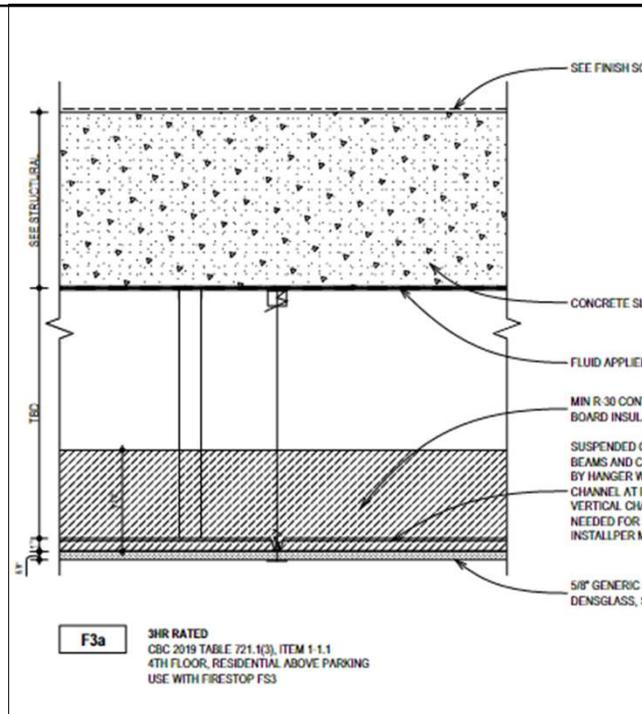
Construction documents must indicate the construction type as determined in accordance with Ch. 6 of the *Chicago Building Code*.

Construction type must be determined for existing buildings. Resource A, at the end of the *Chicago Building Rehabilitation Code*, may be used to determine the equivalent fire-resistance or fire-protection rating of archaic materials.

104

Fire Resistance

Construction documents must indicate the fire-resistance rating or fire-protection rating and basis of the rating for all elements, components, and assemblies where a fire-resistance rating is required by the *Chicago Construction Codes*.



105

Fire Protection Systems

Construction documents must indicate the general type and location of fire protection systems, including:

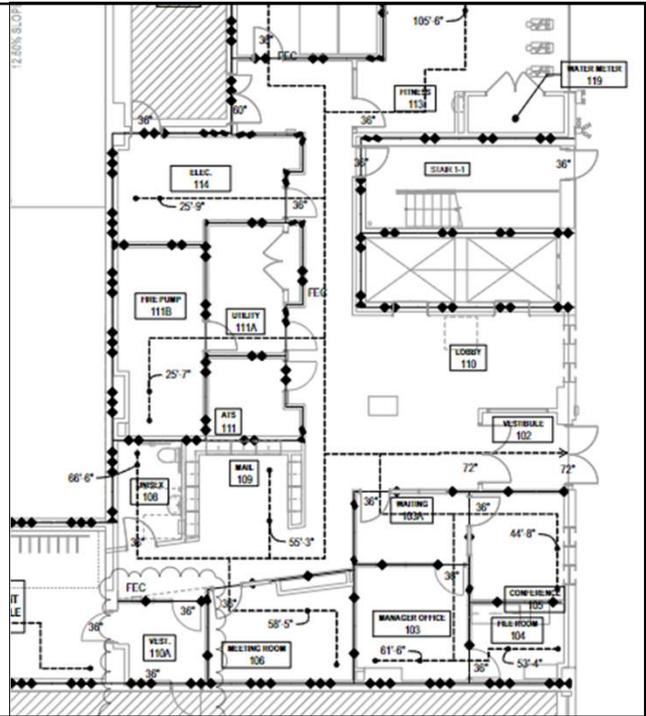
- Fire pump and riser rooms
- Automatic sprinkler systems (NFPA 13, 13R, or 13D)
- Alternative automatic fire-extinguishing systems
- Standpipes
- Portable fire extinguishers
- Fire alarm and detection systems
- Smoke control systems
- Smoke and heat removal features
- Fire command centers
- Fire department connections
- Fire pumps
- City fire alarm boxes

106

Means of Egress

Construction documents must show the location, construction, size, and character of all portions of the means of egress, including the path of discharge to the public way.

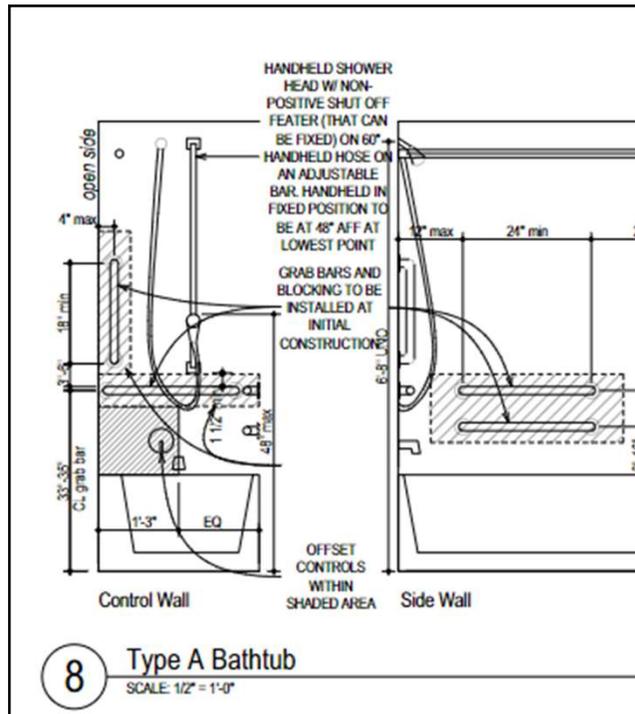
To meet this requirement, it may be necessary to provide occupant load and/or egress diagrams separate from the building floor plans.



107

Accessibility

- The seal of a registered design professional is a certification that the construction documents comply with the applicable accessibility requirements of the *Chicago Construction Codes* and the *Illinois Accessibility Code*.
- This provision does not prevent plan examination or inspection to confirm compliance with accessibility requirements.



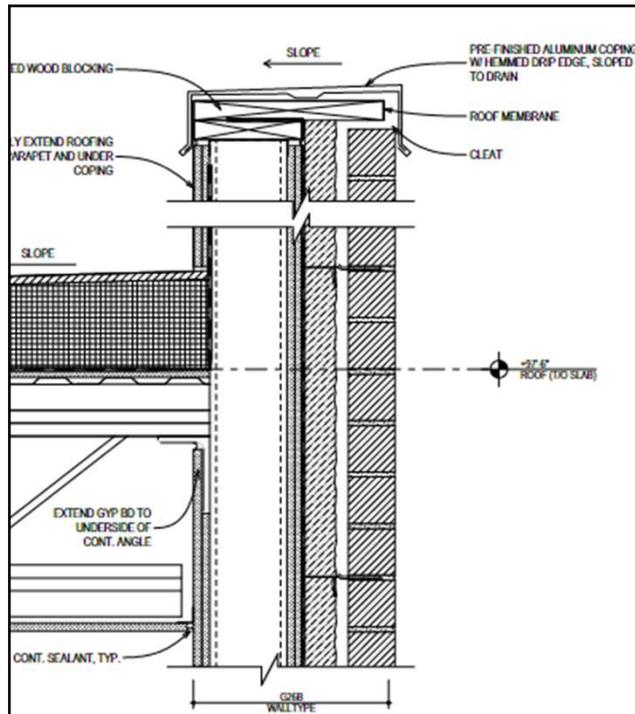
108

Energy Conservation

In addition to the compliance form, construction documents must include the following details related to energy performance for all materials or systems to be installed under the permit:

- Insulation materials and R-values
- Fenestration U-factors and solar heat gain coefficients (SHGCs)
- Area-weighted U-factor and solar heat gain coefficient calculations
- Mechanical system design criteria
- Mechanical and service water heating equipment type, size, and efficiency
- Economizer description
- Equipment and system controls
- Fan motor horsepower and controls
- Duct sealing and duct and pipe insulation locations
- Lighting fixture schedule with wattage and control narrative
- Location of required daylight zones
- Air sealing details

109



Exterior Wall Envelope

Construction documents must detail the exterior wall in sufficient detail to determine compliance.

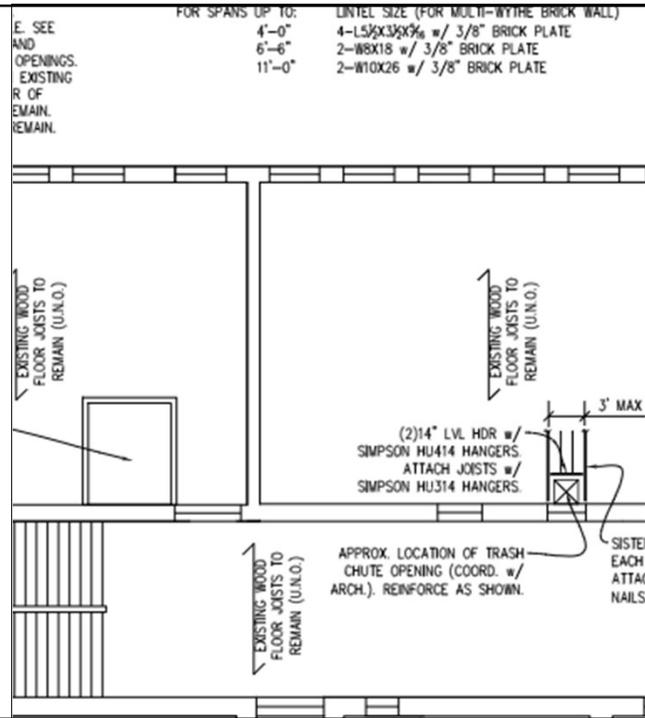
The code requires showing details of the exterior wall envelope including flashing, intersections with dissimilar materials, corners, end details, control joints, intersections at roof, eaves, and parapets, means of drainage, water-resistant membrane, and details around openings.

110

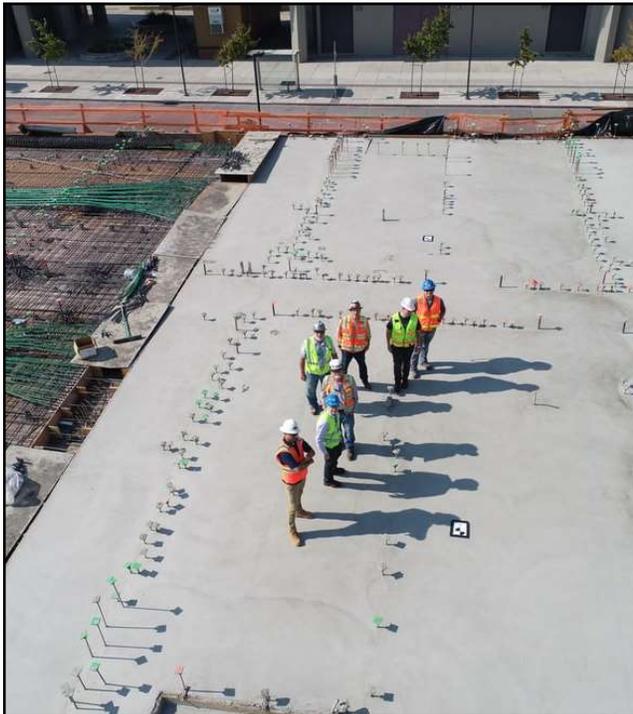
Structural Information

Construction documents must include information specified in the code, including:

- Floor live load(s)
- Roof live load
- Roof snow load data
- Wind design data
- Earthquake design data
- Geotechnical information
- Special loads (where applicable)



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Concrete

For structural concrete work, construction documents must include information specified in Section 1901.5, including:

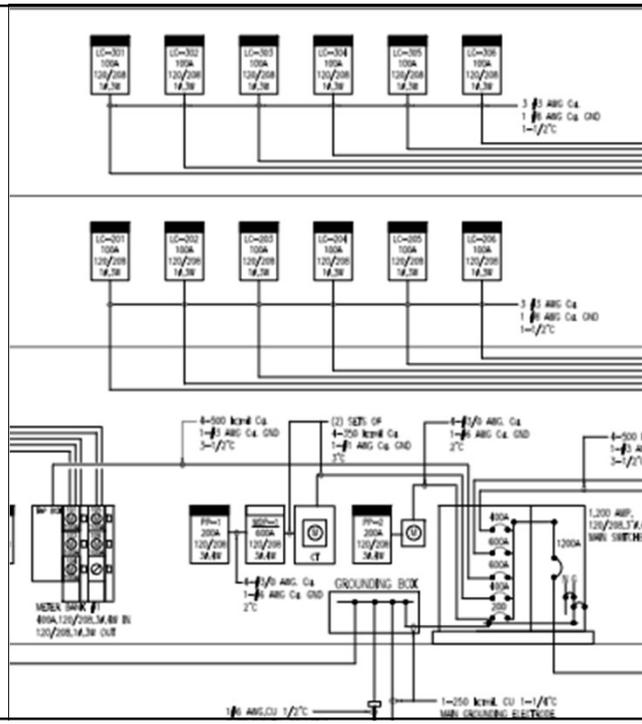
- Compressive strength of concrete at specific age(s)
- The specified strength or grade of reinforcement
- The size and location of structural elements, reinforcement, and anchors

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Electrical Information

Separate electrical drawings (E sheets) are required for:

- Residential > 2 stories abv. grade
- Non-residential > 1 story or greater than 10,000 ft²
- Services rated 400 amps +
- Certain electric and illuminated signs
- Emergency electrical power systems



113

1	NG	10.239	3.00	N/A	KING ELECTRIC KDSRU2030-1	208	14.4
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HEATER NOTES

CEILING OR RECESSED-MOUNTED HEATERS. ALL ELECTRIC HEATERS SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR. HEATERS SHALL BE U.L. LISTED, HAVE STANDARD SAFETY FEATURES, BE CORRECTLY WIRING AND PHASES AS REQUIRED, AND HAVE A MINIMUM 5 YEAR WARRANTY.

ENAMELED FINISH WITH COLORS APPROVED BY ARCHITECT.

HEATERS TO BE U.L. LISTED FOR ZERO CLEARANCE TO COMBUSTIBLE SURFACES, BEAR U.L. LISTED LABELING. TERMINAL BOX, CONTROL CABINET, REMOTE CONTROL CABINET AND ELEMENT HOUSING SHALL BE U.L. LISTED.

FURNACE SCHEDULE							
HEATING AND COOLING FURNACE WITH DX COOLING COILS, CARRIER OR TRANE EQUALIZER, CARRIER INFINITY SERIES, VARIABLE SPEED, DIRECT VENT-CLOSED COMBUSTION, MULTISTAGE							
FURNACE TAG	CARRIER MODEL NO.	RATED HEATING OUTPUT (MBH)	MAX/MIN AIR QUANTITY (CFM)	MIN AIR PRESSURE ("SP)	BLOWER MOTOR (HP)	MAXIMUM COOLING CAPACITY TOTAL (TONS)	FURNACE SIZE ("Dx" H)
F-1	59SC5A040 S17-12	40/39	1100	0.4	1/2	2 to 3 TON	29.5x36
F-2	59SC5A060 S17-14	60/58	1200	0.4	1/2	2 to 3 TON	29.5x36

FURNACE NOTES:

CARRIER COMFORT SERIES GAS-FIRED, CONDENSING-TYPE, UPFLOW, MULTI-POISE, FURNACE (AFUE) OF 95 PERCENT; HIGH/LOW INPUT AND OUTPUT UP TO 1 HP, 120 VOLT/1 PHASE, 4 WIRE CONNECTION; CARRIER CASED, A-TYPE MATCHING R-410A COOLING COIL; WITH PLENUM CONNECTION COMBUSTION SYSTEM WITH DIRECT PIPED COMBUSTION AIR INTAKE AND FLUE DISCHARGE.

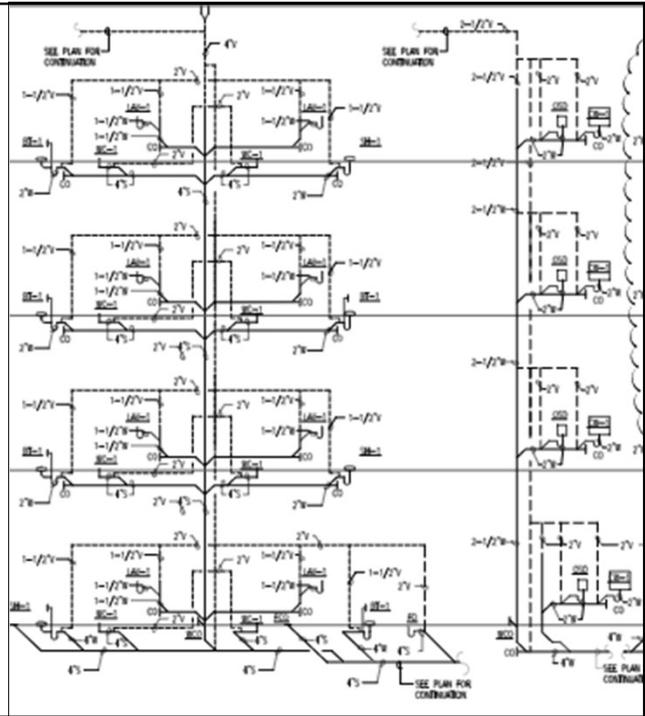
114

Mechanical Information

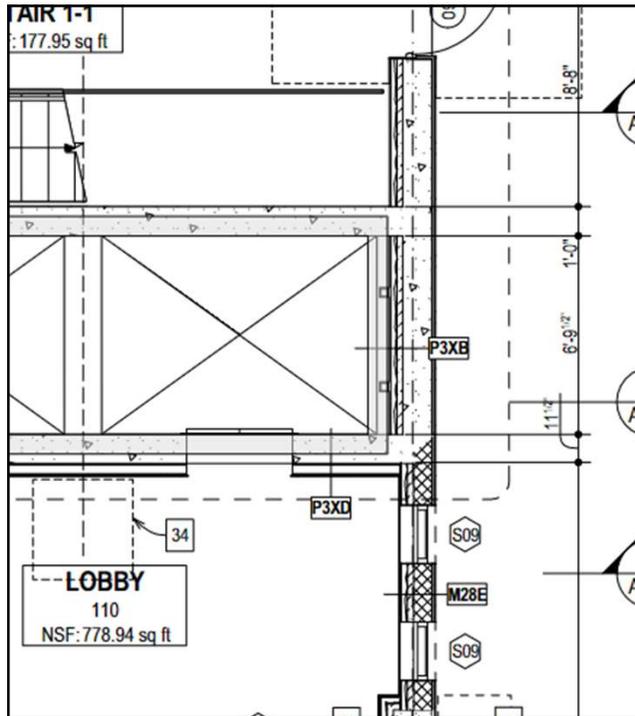
- Construction documents involving mechanical heating, ventilation, refrigeration, and/or fuel gas systems must establish code compliance.
- If ventilation work, must include ventilation schedules in the format specified in Section 18-28-403.14 of the Mechanical Code.

Plumbing Information

- Construction documents must show the size and location of all water distribution, sewerage, and drain pipes and the location and type of all plumbing fixtures.
- Construction documents should include calculations or schedules to show compliance.



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Conveyance Devices

- Construction documents must indicate the general type and location of conveyance devices (elevators, escalators, moving walks, etc.) within or serving the work area.
- Show elevator cab dimensions if required for accessible means of egress, fire service, or paramedic access

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Rehabilitation Work

- Where rehabilitation work is limited to repairs, Level 1 alterations, and/or change of occupancy (without alterations), DOB may waive any requirement for the construction documents that is not necessary to determine code compliance.



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