

City of Portland, Maine – Building or Use Permit Application 389 Congress Street, 04101, Tel: (207) 874-8703, FAX: 874-8716

Location of Construction: 125 Preaumpscot St		Owner: Chapman Corporation	Phone:	Permit No 980275
Owner Address: P.O. Box 10700 Portland, ME 04104		Lessee/Buyer's Name:	Phone:	Business Name:
Contractor Name: Allied Construction		Address: P.O. Box 1396 Portland, ME 04104		Phone: 772-2888
Past Use: office	Proposed Use: Same	COST OF WORK: \$ PAID FOR UNDER SEPARATE PERMIT	PERMIT FEE: \$	<div style="border: 2px solid black; padding: 5px; text-align: center;"> PERMIT ISSUED Permit Issued: <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> MAR 25 1998 </div> CITY OF PORTLAND Zone: CBL: 425-A-002 </div>
Proposed Project Description: Make Interior Renovations 264-7279 207-7279		FIRE DEPT. <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: B Type 2/3 BOCA 9/6	
		PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)		
		Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved with Conditions <input type="checkbox"/> Denied	<input type="checkbox"/>	
Permit Taken By: Mary Gresik		Date Applied For: 19 March 1998		

- This permit application does not preclude the Applicant(s) from meeting applicable State and Federal rules.
- Building permits do not include plumbing, septic or electrical work.
- Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..

This permit is in conjunction with site plan review. This permit is being review before, site plan paperwork has been forwarded to this office. Plans inclusive of building addition & interior renovations to existing structure. This permit to authorize interior renovations to existing structure only. Separate permit to follow with site plan approval.

CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provisions of the code(s) applicable to such permit

19 March 1998

SIGNATURE OF APPLICANT *Matt Cook - Via Phone* ADDRESS: DATE: PHONE:

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE PHONE:

White-Permit Desk Green-Assessor's Canary-D.P.W. Pink-Public File Ivory Card-Inspector

PERMIT ISSUED WITH REQUIREMENTS

PERMIT ISSUED WITH REQUIREMENTS

- Zoning Appeal**
- Variance
 - Miscellaneous
 - Conditional Use
 - Interpretation
 - Approved
 - Denied

- Historic Preservation**
- Not in District or Landmark
 - Does Not Require Review
 - Requires Review

- Action:**
- Approved
 - Approved with Conditions
 - Denied

Date: _____

CEO DISTRICT 6

COMMENTS

4-30-96 Interior demo work going on

5-28-98 Still working on renovator's interior work

8/4/98 - Renovations Complete in one office Section - owner
asked to occupy - Area is totally segregated from construction
Area - Checked w/ PSH - OK if fire person approves - Ref to Lt. Mac.
Met w/ Al Green of Allied & Bill Smith of Chapman & Co. AM

	Type	Inspection Record	Date
Foundation:	_____	_____	_____
Framing:	_____	_____	_____
Plumbing:	_____	_____	_____
Final:	_____	_____	_____
Other:	_____	_____	_____

BUILDING PERMIT REPORT

DATE: 3/24/98 ADDRESS: 125 Presumpscot St
REASON FOR PERMIT: Renovation
BUILDING OWNER: Chapman Corp
CONTRACTOR: Allied Construction
PERMIT APPLICANT: Matt Cook
USE GROUP B BOCA 1996 CONSTRUCTION TYPE Type 4 (New 3B)

CONDITION(S) OF APPROVAL

This Permit is being issued with the understanding that the following conditions are met:

Approved with the following conditions: *1 *8 *9 *10 *11 *12 *18 *19 *20 *24 *25 *26 *27 *29 *30

1. This permit does not excuse the applicant from meeting applicable State and Federal rules and laws.
2. Before concrete for foundation is placed, approvals from the Development Review Coordinator and Inspection Services must be obtained. (A 24 hour notice is required prior to inspection)
3. Precaution must be taken to protect concrete from freezing.
4. It is strongly recommended that a registered land surveyor check all foundation forms before concrete is placed. This is done to verify that the proper setbacks are maintained.
5. Private garages located beneath habitable rooms in occupancies in Use Group R-1, R-2, R-3 or I-1 shall be separated from adjacent interior spaces by fire partitions and floor/ceiling assembly which are constructed with not less than 1-hour fire resisting rating. Private garages attached side-by-side to rooms in the above occupancies shall be completely separated from the interior spaces and the attic area by means of 1/2 inch gypsum board or the equivalent applied to the garage means of 1/2 inch gypsum board or the equivalent applied to the garage side. (Chapter 4 Section 407.0 of the BOCA/1996)
6. All chimneys and vents shall be installed and maintained as per Chapter 12 of the City's Mechanical Code. (The BOCA National Mechanical Code/1993).
7. Sound transmission control in residential building shall be done in accordance with Chapter 12 section 1214.0 of the city's building code.
8. Guardrails & Handrails: A guardrail system is a system of building components located near the open sides of elevated walking surfaces for the purpose of minimizing the possibility of an accidental fall from the walking surface to the lower level. Minimum height all Use Groups 42" , except Use Group R which is 36". In occupancies in Use Group A, B, H-4, I-1, I-2 M and R and public garages and open parking structures, open guards shall have balusters or be of solid material such that a sphere with a diameter of 4" cannot pass through any opening. Guards shall not have an ornamental pattern that would provide a ladder effect. (Handrails shall be a minimum of 34" but not more than 38". Use Group R-3 shall not be less than 30", but not more than 38".) Handrail grip size shall have a circular cross section with an outside diameter of at least 1 1/4" and not greater than 2".
9. Headroom in habitable space is a minimum of 7'6".
10. Stair construction in Use Group R-3 & R-4 is a minimum of 10" tread and 7 3/4" maximum rise. All other Use group minimum 11" tread. 7" maximum rise.
11. The minimum headroom in all parts of a stairway shall not be less than 80 inches. (6' 8")
12. Every sleeping room below the fourth story in buildings of use Groups R and I-1 shall have at least one operable window or exterior door approved for emergency egress or rescue. The units must be operable from the inside without the use of special knowledge or separate tools. Where windows are provided as means of egress or rescue they shall have a sill height not more than 44 inches (1118mm) above the floor. All egress or rescue windows from sleeping rooms shall have a minimum net clear opening height dimension of 24 inches (610mm). The minimum net clear opening width dimension shall be 20 inches (508mm), and a minimum net clear opening of 5.7 sq. ft.
13. Each apartment shall have access to two (2) separate, remote and approved means of egress. A single exit is acceptable when it exits directly from the apartment to the building exterior with no communications to other apartment units.
14. All vertical openings shall be enclosed with construction having a fire rating of at least one (1)hour, including fire doors with self closer's. (Over 3 stories in height requirements for fire rating is two (2) hours.)
15. The boiler shall be protected by enclosing with (1) hour fire-rated construction including fire doors and ceiling, or by providing automatic extinguishment.
16. All single and multiple station smoke detectors shall be of an approved type and shall be installed in accordance with the

provisions of the City's Building Code Chapter 9, Section 19, 920.3.2 (BOCA National Building Code/1996), and NFPA 101 Chapter 18 & 19. (Smoke detectors shall be installed and maintained at the following locations):

- In the immediate vicinity of bedrooms
- In all bedrooms
- In each story within a dwelling unit, including basements

In addition to the required AC primary power source, required smoke detectors in occupancies in Use Groups R-2, R-3 and I-1 shall receive power from a battery when the AC primary power source is interrupted. (Interconnection is required)

A portable fire extinguisher shall be located as per NFPA #10. They shall bear the label of an approved agency and be of an approved type.

17

The Fire Alarm System shall be maintained to NFPA #72 Standard.

18

The Sprinkler System shall maintained to NFPA #13 Standard.

19

All exit signs, lights, and means of egress lighting shall be done in accordance with Chapter 10 Section & Subsections 1023. & 1024. Of the City's building code. (The BOCA National Building Code/1996)

20

21. Section 25-135 of the Municipal Code for the City of Portland states, "No person or utility shall be granted a permit to excavate or open any street or sidewalk from the time of November 15 of each year to April 15 of the following year".

22. The builder of a facility to which Section 4594-C of the Maine State Human Rights Act Title 5 MRSA refers, shall obtain a certification from a design professional that the plans commencing construction of the facility, the builder shall submit the certification to the Division of Inspection Services.

23. Ventilation shall meet the requirements of Chapter 12 Sections 1210. Of the City's Building Code.

All electrical, plumbing and HVAC permits must be obtained by a Master Licensed holders of their trade.

All requirements must be met before a final Certificate of Occupancy is issued.

All building elements shall meet the fastening schedule as per Table 2305.2 of the City's Building Code. (The BOCA National Building Code/1996).

Ventilation of spaces within a building shall be done in accordance with the City's Mechanical Code (The BOCA National Mechanical Code/1993).

Please read and implement the attached Land Use-Zoning report requirements.

This plan was reviewed under Chapter 34 (existing bldg) of the City's Bldg. Code

Please read and implement letter of requirements from the City's fire inspector Michael Collins dated March 24, 1998.

31.

32.

P. Samuel Hoffses, Code Enforcement

cc: Lt. McDougall, PFD

Marge Schmuckal



CITY OF PORTLAND
Planning and Urban Development Department

MEMORANDUM

TO: Code Enforcement
Kandi Talbot, Planner

FROM: Jim Wendel, Development Review Coordinator

DATE: November 9, 1998

SUBJECT: Performance Guarantee
Chapman Corp.
125 Presumpscot Street

On November 6, 1998 a site visit was made to review the completion of the project as it relates to a request for a reduction in the performance guarantee; my comments are:

1. Final placement of loam and seed in areas behind the building is needed. This should be completed by May 30, 1999. The disturbed areas should be heavily mulched with hay for the winter.
2. Coordination with Public Works indicates that there is no shelf in the drain manhole in the street, Casco traps are required in the last downstream private structure, and the drain manhole cover does not have a pick hole to allow removal of the cover.

Should you have any questions, please call.

Inspection Services
P. Samuel Hoffses
Chief



Planning and Urban Development
Joseph E. Gray Jr.
Director

CITY OF PORTLAND

SMRT
144 Fore Street
P. O. Box 618
Portland, Maine 04104
RE: Chapman Corp., 125 Presumpscot Street
Renovation Project: Electrical Plan and Specification Review

March 24, 1998

Dear Sir/Madam;

Upon a recent plan review of the above mentioned project, the following electrical concerns were revealed and shall be corrected, under NFPA-70; NEC 1996 & THE CITY CODE

1. I shall allow a second service to serve the new addition, and alterations, if the following conditions are met. ART: 230-2(c) & 90-4(c)

A. You must plaque both the new and existing service, with a minimum of 1" high lettering. The signs shall contain specific wording as to each service location and its reciprocal location at each point of service. All signs shall be approved by the Electrical Inspector before installation. ART: 110-22 & 90-4

B. Violations and unsafe conditions in the building and at the existing service shall be corrected under all applicable codes. ART: 90-1 & 90-8(a)

2. Maintain proper clearances at or about all new and existing electrical equipment. ART: 110-16

3. DO NOT LOCATE ELECTRICAL PANELS IN ROOM #189 or ROOM #165. ART: 90-4

4. DO NOT LOCATE ELECTRICAL PANELS IN ANY MECHANICAL ROOM, BOILER ROOM, LAN ROOM, TELCOM OR STORAGE CLOSETS. ART: 90-4

5. Electrical equipment and electrical panel locations shall be approved by the Electrical Inspector, prior to installation. ART: 100 & 90-4

6. All secondary dry type transformers shall be floor mounted. ART: 100

7. All low-voltage contractors shall obtain the proper electrical permits before any work begins. ART: 111

8. Warning signs shall be posted on all electrical rooms. ART: 230-203

9. All site electrical conduits, **shall be installed by the electrical contractor.** ART: 111

Sincerely,


Michael A. Collins, AHJ

Chief Electrical Inspector
City of Portland

cc: Michael Nugent, ISM
P. Samuel Hoffses, CBI
Lt. McDougall, PFD
BH Milliken, Electrician
Merle Leary, CEO

Wind loads (1603.5, 1611.0)	_____	Partition loads (1605.3)	_____
_____ Basic wind speed (1603.5, 1611.3)	_____	Concentrated loads (1603.7, 1613.0)	_____
_____ Wind importance factor, <i>I</i> (1603.5, Table 1611.5)	_____	Impact loads (1603.7, 1614.0)	_____
_____ Wind exposure (1603.5, 1611.4)	_____	Special loads (1603.7, 1615.0)	_____
_____ Wind design pressure, <i>P</i> (1603.5, 1611.7)	_____		
Earthquake loads (1603.6, 1612.0)	_____	STRUCTURAL DESIGN CALCULATIONS	
_____ Peak velocity-related acceleration, <i>A_v</i> (1603.6, 1612.1.3)	_____	Submitted for all structural members (107.7)	_____
_____ Peak acceleration, <i>A_a</i> (1603.6, 1612.1.3)	_____	Signed/sealed (107.7, 114.1)	_____
_____ Seismic hazard exposure group (1603.6, 1612.1.5)	_____	Deflection limits considered (1604.5)	_____
_____ Seismic performance category (1603.6, 1612.1.7)	_____	Unbalanced snow loads considered (1610.6)	_____
_____ Soil-profile type (1603.6, Table 1612.3.1)	_____	Drift snow loads considered (1610.7)	_____
_____ Basic structural system and seismic-resisting system (1603.6, Table 1612.3.3)	_____	Sliding snow loads considered (1610.8)	_____
_____ Response modification factor, <i>R</i> , and deflection amplification factor, <i>C_d</i> (1603.6, Table 1612.3.3)	_____	Internal pressure effects considered (1611.7, 1611.8)	_____
_____ Analysis procedure (1603.6, 1612.4, 1612.5)	_____	Components and cladding effects considered (1611.8)	_____
		Load combinations considered (1616.1)	_____

STRUCTURAL TESTS AND INSPECTIONS (Chapter 17)

_____ Owner's special inspection program specified (1705.0)

FOUNDATIONS AND RETAINING WALLS (Chapter 18)

_____ Soil type (1802.1, 1804.1)	_____	Footings/foundations (1806.0 - 1811.0, 1814.0 - 1824.0)	_____
_____ Bearing value (1802.1, 1804.1)	_____	Foundation walls (1812.0)	_____
_____ Soil report (1802.1, 1804.1)	_____	Waterproofing/dampproofing (1813.0)	_____
_____ Prepared fill (1804.1.1)	_____	Retaining walls (1825.0)	_____

NOTES: N.R. — Not required
N.A. — Not applicable

ADMINISTRATION (Chapter 1)

_____ Complete construction documents (107.5, 107.6, 107.7) _____ Signed/sealed construction documents (107.7, 114.1)

BUILDING PLANNING (Chapters 3, 4, 5, 6)

USE OR OCCUPANCY CLASSIFICATION (302.0-313.0)

_____ Single Use Group _____ Specific occupancy areas (302.1.1)
_____ Mixed Use Groups _____ Accessory areas (302.1.2)

GENERAL BUILDING LIMITATIONS (Chapters 5 & 6)

Building height _____ Allowable building height _____
Story, feet Story, feet
(502.0) (Table 503, 504.0)

AREA MODIFICATIONS TO TABLE 503

% of Allowable tabular area (Table 503) 100%
% Reduction for height (Table 506.4) _____ %
% Increase for open perimeter (506.2) + _____ %
% Increase for automatic sprinklers (506.3) + _____ %
Total percentage factor = _____ %
Conversion factor _____
(Total percentage factor/100%)

Open perimeter (506.2)	_____ North	_____ East	_____ South	_____ West
Open perim. _____ ft.	Perimeter _____ ft.			
% Open perimeter = $\frac{\text{Open perim.}}{\text{perim.}} \times 100\%$				
% Tab. area increase = $\frac{\text{Conversion factor}}{2 \times (\% \text{ Open perim.} - 25\%)}$				

Determine whether the building is a single occupancy building or a mixed occupancy building. If a single occupancy or mixed occupancy with nonseparated use groups (313.1.1), fill in Case I worksheet (below). If a mixed occupancy with separated use groups (313.1.2), fill in Case II worksheet (next page).

CASE I — SINGLE USE OR MIXED USE NONSEPARATED USE GROUPS

Enter Table 503 with the single use group or most restrictive use group of the mixed use classification and find the minimum construction classification providing a tabular area equal to or greater than the adjusted tabular area.

Actual floor area _____ ft.² Minimum type of construction required _____ (313.1.1, 503.1)
Adjusted tabular area* _____ ft.² Type of construction assumed for review _____ (602.2, 602.3)
* Actual floor area/conversion factor

OCCUPANT NEEDS (Chapters 10, 11, 12)

MEANS OF EGRESS (Chapter 10)

OCCUPANT LOAD (1008.0 and Table 1008.1.2)

Location	Floor Area	Sq. ft./ person (Table 1008.1.2)	Occt. load 1008.1.2	Other occt. loads (1008.1.1, 1008.1.3, 1008.1.4, 1008.1.6)	Total
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

CAPACITY OF EGRESS COMPONENT (1009.0 and Table 1009.2)

Location	Egress width (inch/occupant)	
	Stairways	Doors/ramps corridors
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

NUMBER OF EXITS (1010.0)

Location	Required	Shown
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

- _____ General limitations (1005.0)
- _____ Types and location of egress (1006.0)
- _____ Exit access travel distance (1006.5 and Table 1006.5)
- _____ Accessible means of egress (1007.0)
- _____ Emergency escape (1010.4)
- _____ Exit access corridors (1011.0)
- _____ Aisles and accessways (1012.0)
- _____ Grandstands (1013.0)
- _____ Interior stairways (1014.1 - 1014.11)
- _____ Exterior stairways (1014.1 - 1014.10, 1014.12)
- _____ Smokeproof enclosures (1015.0)
- _____ Ramps (1016.0)
- _____ Means of egress doorways (1017.0)
- _____ Revolving doors (1018.0)
- _____ Horizontal exits (1019.0)
- _____ Level of exit discharge passageway (1020.0)
- _____ Guards (1021.0)
- _____ Handrails (1022.0)
- _____ Exit signs and lights (1023.0)
- _____ Means of egress lighting (1024.0)
- _____ Access to roof (1027.0)

OTHER SPECIAL USE AND OCCUPANCY

- _____ Stages and platforms (412.0)
- _____ Underground structures (405.0)
- _____ Open parking structures (406.0)
- _____ Private garages (407.0)
- _____ Public garages (408.0)
- _____ Use Group I-2 (409.0)
- _____ Use Group I-3 (410.0)
- _____ Special amusement buildings (413.0)
- _____ HPM facilities (416.0)
- _____ Hazardous materials (417.0)
- _____ Use Groups H-1, H-2, H-3 and H-4 (418.0)
- _____ Swimming pools (421.0)

FIRE PROTECTION (Chapters 6, 7, 8, 9)

FIRERESISTANT MATERIALS AND CONSTRUCTION (Chapter 7 and Table 602)

Note: Entry in indicates required rating in hours. NC indicates noncombustible construction.

EXTERIOR WALLS (705.0, 715.5)

	North	East	South	West
Fire separation distance	_____	_____	_____	_____
Loadbearing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nonloadbearing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Exterior opening protectives (705.3, 706.0)	_____	_____	_____	_____
<input type="checkbox"/> Parapet walls (705.6)	_____	_____	_____	_____

FIRE SEPARATION ASSEMBLIES

- Exit enclosures (1014.11, 709.0)
- Other shafts (709.0, 710.0)
- Mixed use and fire area separations (313.1.2)
- Other separation assemblies (Table 602)

FIRE PARTITIONS

- Exit access corridors (1011.4)
- Tenant separations (711.0)
- Dwelling unit separations (711.0)

OTHER FIRERESISTANT CONSTRUCTION

- Fire and party walls (707.0 and Table 707.1)
- Smoke barriers (712.0)
- Nonloadbearing partitions (Table 602)
- Interior loadbearing walls, columns, girders, trusses (715.0)
- Structural wall supports (715.0)
- Floor construction (713.0, 1006.3.1)
- Roof construction (713.0, 714.0)
- Opening protectives (716.0, 717.0, 718.0, 719.0)
- _____ Firestopping/draftstopping (720.0)
- _____ Thermal and sound-insulating materials (722.0)

INTERIOR FINISHES

- _____ Smoke development (803.3.2)
- _____ Flame spread (803.4)
- _____ Application (804.0)

FIRE PROTECTION SYSTEMS (Chapter 9)

FIRE SUPPRESSION SYSTEMS (Where required)

_____	Assembly (A-1, A-3, A-4) (904.2)
_____	Assembly (A-2) (904.3)
_____	Educational (E) (904.4)
_____	High-hazard (H) (904.5)
_____	Institutional (I) (904.6)
_____	Mercantile (M), Moderate-hazard storage (S-1), Factory and Industrial (F-1) (904.7)
_____	Residential (R-1) (904.8)
_____	Residential (R-2) (904.9)
_____	Windowless story (904.10)
_____	Specific occupancy areas (302.1.1)
_____	Covered mall buildings (402.10)
_____	High-rise buildings (403.2)
_____	Atriums (404.2)
_____	Underground structures (405.3)
_____	Public garages (408.3.1)
_____	Sound stages (411.7)
_____	Stages and enclosed platforms (412.6)
_____	Special amusement buildings (413.4)
_____	HPM facilities (416.4)
_____	Paint spray booths and storage rooms (419.3)
_____	Unlimited area buildings (507.1)
_____	Exit lobbies (1020.3)
_____	Drying rooms (2806.4)
_____	Waste- and linen-chutes/termination rooms (2807.6)
_____	Refuse vaults (2808.4)

FIRE SPRINKLER SYSTEMS

_____	NFiPA 13 system (906.2.1)
_____	NFiPA 13R system (906.2.2)
_____	NFiPA 13D system (906.2.3)
_____	Design (906.3)
_____	Actuation (906.4)
_____	Sprinkler alarms (906.5)
_____	Sprinkler riser (906.7)

LIMITED AREA SPRINKLER SYSTEMS

_____	Where permitted (907.2)
_____	Design (907.3)
_____	Actuation (907.4)
_____	Standpipe connection (907.6)
_____	Domestic supply (907.6.1)
_____	Cross connection (907.6.2)
_____	Shutoff valve (907.6.3)

OTHER SUPPRESSION SYSTEMS

_____	Water-spray fixed systems (908.0)
_____	Carbon dioxide extinguishing systems (909.0)
_____	Dry-chemical extinguishing systems (910.0)
_____	Foam-extinguishing systems (911.0)
_____	Halogenated extinguishing systems (912.0)
_____	Wet-chemical range hood extinguishing systems (913.0)

STANDPIPE SYSTEMS

_____	Building height (914.2.1)
_____	Building area (914.2.2)
_____	Malls (914.2.3)
_____	Stages (412.7)
_____	Approved system (914.3, 914.3.1)
_____	Piping design (914.4)
_____	Water supply (914.5)
_____	Control valves (914.6)
_____	Hose connection (914.7)

FIRE DEPARTMENT CONNECTIONS

_____	Required (915.1)
_____	Connections (915.2)

YARD HYDRANTS

_____	Fire hydrants (916.1)
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FIRE PROTECTIVE SIGNALING SYSTEMS

_____	Approval (917.3)
_____	Assembly (A-4), Educational (E) (917.4.1)
_____	Business (B) (917.4.2)
_____	High-hazard (H) (917.4.3)
_____	Institutional (I) (917.4.4)
_____	Residential (R-1) (917.4.5)
_____	Residential (R-2) (917.4.6)
_____	Location/details (917.5)
_____	Power supply/wiring (917.6, 917.7)
_____	Alarm-indicating appliances (917.8)
_____	Voice/alarm signaling system (917.9)

AUTOMATIC FIRE DETECTION SYSTEMS

_____	Approval (918.3)
_____	Institutional (I) (918.4.1, 918.4.2, 918.4.3)
_____	Residential (R-1) (918.4.4)
_____	Sprinklered buildings exception (918.5)
_____	Zones (918.6)

SINGLE- AND MULTIPLE-STATION SMOKE DETECTORS

_____	Residential (R-1) (919.3.1)
_____	Residential (R-2, R-3) (919.3.2)
_____	Institutional (I-1) (919.3.3)
_____	Interconnection (919.4)
_____	Battery backup (919.5)

FIRE EXTINGUISHERS

_____	Approval (920.1)
_____	Required (920.2)

SMOKE CONTROL SYSTEMS

_____	Passive system (921.2.1)
_____	Mechanical system (921.2.2)
_____	Activation (921.4)
_____	Standby power (921.5)

SMOKE AND HEAT VENTS

_____	Size and spacing (922.2)
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SUPERVISION

_____	Fire suppression systems (923.1)
_____	Fire protective signaling systems (923.2)

CASE II — MIXED USE SEPARATED USE GROUPS

Enter Table 503 and find the minimum construction classification providing tabular areas which result in the sum of the ratios of the adjusted tabular area divided by the tabular area for each use group being a maximum of 1.00.

Actual floor area	_____ Use _____ ft. ²	$\sum \frac{\text{Adjusted tabular area}}{\text{Tabular area}} = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$
	_____ Use _____ ft. ²	
Adjusted tabular area*	_____ Use _____ ft. ²	Minimum type of construction required _____ (313.1.2, 503.1)
	_____ Use _____ ft. ²	Type of construction assumed for review _____ (602.2, 602.3)

UNLIMITED AREA ONE-STORY BUILDINGS

_____ Use group classification (507.1)	_____ High-hazard use groups (507.1.2)
_____ Building height (story, feet) (507.1)	_____ North _____ East _____ South _____ West
_____ Type of construction (507.1)	_____ Fire separation distance (507.2)
_____ Automatic sprinkler system (507.1, 904.11)	_____ Exterior wall rating (507.2)
_____ School buildings (507.1.1)	_____ Opening protectives (507.2.1)

MEZZANINES

_____ Area limitation (505.2)	_____ Openness (505.4)
_____ Egress (505.3)	

SPECIAL USE AND OCCUPANCY (Chapter 4)

COVERED MALL BUILDINGS

_____ Tenant separations (402.4)	_____ Alternative modifications (403.3)
_____ Egress (402.5)	_____ Automatic fire detection (403.4)
_____ Mall width (402.6)	_____ Voice/alarm signaling (403.5)
_____ Structural elements (402.7)	_____ Fire department communication (403.6)
_____ Roof coverings (402.8)	_____ Fire command station (403.7)
_____ A-1, A-2 occupancy (402.9)	_____ Elevators (403.8)
_____ Automatic sprinkler system (402.10)	_____ Standby systems (403.9)
_____ Standpipes (402.11)	_____ Stairway doors (403.10)

ATRIUMS

_____ Smoke control (402.12)	_____ Automatic sprinkler system (404.2)
_____ Fire department access (402.13)	_____ Occupancy (404.3)
_____ Kiosk requirements (402.15)	_____ Smoke control (404.4)
_____ Parking structures (402.16)	_____ Enclosure (404.5)
HIGH-RISE BUILDINGS	_____ Fire protective signaling (404.6)
_____ Automatic sprinkler system (403.2)	_____ Travel distance (404.7)

ACCESSIBILITY (Chapter 11)

_____ Required (1103.0)	_____ Accessible entrances (1106.0)
_____ Accessible route (1104.0)	_____ Special use groups (1107.0)
_____ Parking facilities (1105.0)	_____ Features and facilities (1108.0)

INTERIOR ENVIRONMENT (Chapter 12)

_____ Room dimensions (1204.0)	_____ Air-borne noise (STC) (1214.2)
_____ Roof spaces (1210.1)	_____ Structure-borne sound (IIC) (1214.3)
_____ Crawl spaces (1210.2)	_____ Ratproofing (1215.0)

BUILDING ENVELOPE (Chapters 14, 15)

EXTERIOR WALL COVERINGS (Chapter 14)

_____ Wall sidings and veneers (1404.0, 1405.0)	_____ Combustible material restrictions (1406.0)
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ROOFS AND ROOF STRUCTURES (Chapter 15)

_____ Roof coverings (1505.0, 1506.0, 1507.0)	_____ Roof structures (1510.0)
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STRUCTURAL SYSTEMS (Chapters 16, 17, 18)

STRUCTURAL LOADS (Chapter 16)

DESIGN LOADS ON CONSTRUCTION DOCUMENTS (1603.1)	_____ Roof snow loads (1603.4, 1610.0)
_____ Uniformly distributed floor live loads (1603.2, 1606.0)	_____ Ground snow load, P_g (1603.4, 1610.3)
_____ Live load reduction (1603.2, 1608.0)	_____ If $P_g > 10$ psf, flat-roof snow load, P_f (1603.4, 1610.4)
_____ Roof live loads (1603.3, 1609.0)	_____ If $P_g > 10$ psf, snow exposure factor, C_e (1603.4, Table 1610.4)
	_____ If $P_g > 10$ psf, snow load importance factor, I (1603.4, Table 1611.5)

