City of Portland, Maine - Building or Use Permit Application 389 Congress Street, 04101, Tel: (207) 874-8703, FAX: 874-8716 Phone: Location of Construction: Owner: Chapman Corporation 125 Presumpscor St Phone: BusinessName: Lessee/Buyer's Name: Owner Address: Portland, NE P.O. Box 10700 04104 Phone: Contractor Name: Address: 772-2888 P.O. Box 1396 Portland, NE 04104 Allied Construction COST OF WORK: PERMIT FEE: Proposed Use: Past Use: \$ PAID FOR UNDER SEP\$RATE PERMIT FIRE DEPT.

Approved INSPECTION: office Barre Use Group: B Type 213 ☐ Denied to Matt Cook Zone: CBL: BOCOG 425-A-002 Signature? Signature: Zoning Approval: PEDESTRIAN ACTIVITIES DISTRICT Proposed Project Description: 264-72 Rake lacertor Renovations Approved Action: Special Zone or Reviews: Approved with Conditions: ☐ Shoreland □ Wetland Denied ☐ Flood Zone □ Subdivision Date: Signature: ☐ Site Plan mai ☐minor ☐mm ☐ Date Applied For: Permit Taken By: 19 March 1998 Mary Gresik Zoning Appeal □ Variance This permit application does not preclude the Applicant(s) from meeting applicable State and Federal rules. ☐ Miscellaneous Building permits do not include plumbing, septic or electrical work. ☐ Conditional Use 2. □ Interpretation Building permits are void if work is not started within six (6) months of the date of issuance. False informa-□ Approved tion may invalidate a building permit and stop all work.. □ Denied This permit is in conjunction with site plan review. This permit is being review before, site plan paperwork has been forwards. ...
interior renovations to existing structure. This permit to automate approve of the existing structure only. Separate permit to follow with site plan approve WITH REQUIREMENT ISSUED Historic Preservation plan paperwork has been forwarded to this office. Plans inclusive of building addition 6 □ Not in District or Landmark interior renovations to existing structure. This permit to authorize interior renovations to ☐ Does Not Require Review WITH REQUIREMENTS ☐ Requires Review Action: ☐ Appoved **CERTIFICATION** ☐ Approved with Conditions 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 □ Denied 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 Date: areas covered by such permit at any reasonable hour to enforce the provisions of the code(s) applicable to such permit 19 March 1998 PHONE: DATE: SIGNATURE OF APPLICANT MALE COOK - VIA PhonADDRESS: PHONE: CEO DISTRICT RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE

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

· COMMENTS

4.30.98 Intern deme W.	ah any or	
5-28-98 Still working on	remoretion interior must	
8/4/98 - Removation Consti	le un one office Soution	JU NUL
ashelt come - 200	12 that i have a ged from	Construction
and the state of t	1 Day Day Ball	f Store
mot will a lead and a said	1 al approved by	C Sure Floring
men 1/00/ men of alled 4 Bells	mile of Maprianie	
	Inspection Record	
	Туре	Date
	Foundation:	
	Framing:	
	Plumbing:	
	Final:	

BUILDING PERMIT REPORT

DATE:	3/24/98 ADDRESS: 125 Presumport 12
	N FOR PERMIT: range of the restriction
	INGOWNER: Chapman Curp
	RACTOR: Alled Construction
PERMI	TAPPLICANT: Matt Cook
	ROUP_B BOCA 1996 CONSTRUCTION TYPE TYPE 4 (New 3B)
	CONDITION(S) OF APPROVAL
This Pe	ermit is being issued with the understanding that the following conditions are met:
	wed with the following conditions: $\frac{4/88991081/812818819426*24825*26*27429430}{111111111111111111111111111111111111$
_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. Private garages located beneath habitable rooms in occupancies in Use Group R-1, R-2, R-3 or I-1 shall be separated from
5.	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 ½ inch gypsum board or the equivalent applied to the garage means of ½ 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
0.	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
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.
1.2	Each apartment shall have access to two 2) separate, remote and approved means of egress. A single exit is acceptable when it
13.	avite directly from the anartment to the huilding exterior with no communications to other apartment units.
1.4	All vertical openings shall be enclosed with construction having a fire rating of at lest one (1)hour, including fire doors with self
14.	alease's (Orior 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
LJ.	the poner print of brothers of animania (1)

All single and multiple station smoke detectors shall be of an approved type and shall be installed in accordance with the 16.

15.

automatic extinguishment.

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.
- The Fire Alarm System shall be maintained to NFPA #72 Standard.
- The Sprinkler System shall maintained to NFPA #13 Standard.
- 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)
- 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".
- 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.
- ₹25. 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).

	Mechanical Code/1995).
28.	Please read and implement the attached Land Use-Zoning report requirements.
X 29.	This plan was reviewed under chapter 34 (xisting bldg) of The
• •	CITUS BLdg, Code /
₹ 30.	Please fead and Impdement Letter of requirements from
	The City's ele insportor Michael Collins dated March 24, 1998.
31.	The state of the s
32	

et 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

March 24, 1998

P. O. Box 618

Portland, Maine 04104

RE: Chapman Corp., 125 Presumpscot Street

Renovation Project: Electrical Plan and Specification Review

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

BUILDING SAFETY EVALUATION SCORE (Table 3408.9)

Formula	Table 3408.7			Table 3408.8			Score	Pass	Fail
FS-MFS ≥ 0 ME-MME ≥ 0 GS-MGS ≥ 0	26,4 35,4 41,4	(FS) _ (ME) _ (GS)	- - -	34	_ (MFS) _ (MME) _ (MGS)	=	7.4		

MFS = Mandatory Fire Safety FS = Fire Safety ME = Means of Egress MME = Mandatory Means of Egress MGS = Mandatory General Safety GS = General Safety

NOTES

	BOCA® NATIONAL BUILDING CODE PLAN REVIEW RECORD Plan Review #	
Valuation	PLAN REVIEW RECORD Plan Review #	
Fee: _	13520.00 Date: 25/Mar/	98
JURISD		
	(City, County, Township, etc.)	'
BUILDII	IGLOCATION 125 Presumpsco/ 21,	
la territoria del	(Street address)	C SPM
BUILDII	AGDESCRIPTION Renovations Buse group (CLass &	<u>C 21. 1</u>
1 01	of allowed to be	
	10r ex5/19/1/4/2 1-	
REVIEV	JED BY JELAN	
 And Anthony of Control 		Dd
Numerals	indicated in parenthesis are applicable code sections of the BOCA National Building Code. The organization of this Planck the common Building Code format implemented in the 1963 BOCA National Building Code. The plan review accommon Building Code.	an Review plished as
indicated i	n this record is limited to those code sections specifically identified herein. This record references commonly applicable code	e sections.
It does no	treference all code provisions which may be applicable to specific buildings. This record is designed to be used only by thos	e who are
knowledge	eable and capable of exercising competent judgement in evaluating construction documents for code compliance.	
	CORRECTION LIST	
		Code
No.	DESCRIPTION	Section
10	See building Permit report	
2.	Review under existing STructure -	Sha Brach
2	Real atter 5mg Mahrel Colling Chief Fle Inse	7

	CORRECTION LIST	
No.	DESCRIPTION	Code Section
1.	See building Permit report	
2.	Review under existing structure	Sh Drugge
3.	Bree Letter Fron Michael Colling Chief Ele Finge,	,
	dated March 24, 1998. TO SMRT, CATTACKER	4
4.	EXISTING building passed Table 3408.7	+
· ·		
	8/6/98 —	
_ ,	18- O835	
<u> </u>		
	I made him pot in	
Cy h	emerging exit.	
	Code Administrators International, Inc. Reproductions by any means flicials and Code Administrators International, Inc., and is registere n order that we might develop other programs and provide additional flowers.	d in the U.S.

ession, please re-order additional copies of this form from:

The space.

AND CODE ADMINISTRATORS INTERNATIONAL, INC.

ROAD COUNTRY CLUB HILLS, ILLINOIS 60478-5795

06/93

NONSTRUCTURAL MATERIALS (Chapters 24, 25, 26)

GLASS AND GLAZING (Chapter 24)

			- 1)
S	skylights (2404.0)		Safety glazing (2405.0, 2406.0, 2407.0)
	GYPSUM BOARD AND	PLASTER (Cha	apter 25)
	Gypsum board materials <i>(2503.0,</i> Table 2503.2, Table 2503.3)		
	PLASTIC (C	Chapter 26)	
	pproved materials (2601.2)		Interior trim (2603.7)
lo	dentification (2601.4)		Alternative approval (2603.8)
FOAM PLASTIC (2	2603.0)	LIGHT-TRANSM	IITTING PLASTIC (2604.0)
L	abeling <i>(2603.2)</i>		Diffusing systems (2604.5)
S	Surface-burning characteristics (2603.3)		Wall panels (2605.0)
Т	hermal barrier (2603.4)		Unprotected openings (2606.0)
E	exterior walls (2603.6)		Roof panels (2607.0)
			Skylight glazing (2608.0)
	BUILDING SERVICE	S (Chapte	rs 28, 30)
	MECHANICAL SYS	TEMS (Chapte	r 28)
V	Vaste- and linen-handling systems (2807.0)		Refuse vaults (2808.0)
	ELEVATORS AND CONVEY	ING SYSTEMS	(Chapter 30)
H	loistway enclosure (3007.1)		Opening protectives (3008.2)
V	enting (3007.3 - 3007.6)		
SPE	CIAL DEVICES AND CO	NDITIONS	(Chapters 31, 34)
	SPECIAL CONSTRU	CTION (Chapte	er 31)
N	Membrane structures (3103.0)		Separation (3106.4)
F	lood-resistant construction (3107.0)	· 	Local approval (3106.5)
PEDESTRIAN WA	LKWAYS (3106.0)		Egress and size (3106.6 - 3106.8)
	Construction and use (3106.1 - 3106.3)		

	CORRECTION LIST (cont'd.)	
No.	DESCRIPTION	Code Section
		The Control of the Co
wayyyyy a salaha a salaha		
····		
		•
	1,7-69-2	
with the second		
•		

-14-

Wind loads (1603.5, 1611.0)	Partition loads (1605.3)	NOTES: N.R. — Not required	
Basic wind speed (1603.5, 1611.3)	Concentrated loads (1603.7, 1613.0)	N.A. — Not applicable	
Wind importance factor, I (1603.5,	Impact loads (1603.7, 1614.0)	ADMINISTRATI	ION (Chapter 1)
Table 1611.5) Wind exposure (1603.5, 1611.4)	Special loads (1603.7, 1615.0)	Complete construction documents (107.5, 107.6, 107.7)	Signed/sealed construction documents (107.7, 114.1)
Wind design pressure, <i>P</i> (1603.5, 1611.7)	STRUCTURAL DESIGN CALCULATIONS	BUII DING PI ANNING	G (Chapters 3, 4, 5, 6)
Earthquake loads (1603.6, 1612.0)	Submitted for all structural members (107.7)		•
Peak velocity-related acceleration, A_{ν}	Signed/sealed (107.7, 114.1)	USE OR OCCUPANCY CLA	ASSIFICATION (302.0-313.0)
(1603.6, 1612.1.3)	Deflection limits considered (1604.5)	Single Use Group	Specific occupancy areas (302.1.1)
Peak acceleration, A _a (1603.6, 1612.1.3)	Unbalanced snow loads considered	Mixed Use Groups	Accessory areas (302.1.2)
Seismic hazard exposure group <i>(1603.6, 1612.1.5)</i>	(1610.6) Drift snow loads considered (1610.7)	GENERAL BUILDING LIM	ITATIONS (Chapters 5 & 6)
Seismic performance category (1603.6, 1612.1.7)	Sliding snow loads considered (1610.8)	Building heightStory, feet	Allowable building height
Soil-profile type (1603.6, Table 1612.3.1)	Internal pressure effects considered	(502.0)	(Table 503, 504.0)
Basic structural system and seismic-resisting system (1603.6, Table	(1611.7, 1611.8) Components and cladding effects		ONS TO TABLE 503
1612.3.3)	considered (1611.8)	% of Allowable tabular area (Table 503) 100%	Open
Response modification factor, R , and deflection amplification factor, C_d (1603.6, Table 1612.3.3)	Load combinations considered (1616.1)	% Reduction for height (<i>Table 506.4</i>) – % % Increase for open perimeter (<i>506.2</i>) + %	Open perimeter (506.2) North East South West
Analysis procedure (1603.6, 1612.4, 1612.5)		% Increase for automatic sprinklers (506.3) +	Open perimeter = ft.
STRUCTURAL TESTS AND	NSPECTIONS (Chapter 17)	Total percentage factor = %	(Open perim./perim.) × 100% % Tab. area increase =
Owner's special inspection program specified (1705.0)		Conversion factor(Total percentage factor/100%)	(506.2) 2×(% Open perim25%)
	4	Determine whether the building is a single occupancy building mixed occupancy with nonseparated use groups (313.1.1), separated use groups (313.1.2), fill in Case II worksheet (not be separated use).	fill in Case I worksheet (below). If a mixed occupancy with
FOUNDATIONS AND RETAI	NING WALLS (Chapter 18)		USE OR MIXED USE ED USE GROUPS
Soil type (1802.1, 1804.1)	Footings/foundations (1806.0 - 1811.0, 1814.0 - 1824.0)	Enter Table 503 with the single use group or most restrictive mum construction classification providing a tabular area eq	e use group of the mixed use classification and find the miniual to or greater than the adjusted tabular area.
Bearing value (1802.1, 1804.1)	Foundation walls (1812.0)	Actual floor area ft. ²	Minimum type of construction required
Soil report (1802.1, 1804.1)	Waterproofing/dampproofing (1813.0)	Adjusted tabular area* ft. ²	(313.1.1, 503.1)
Prepared fill (1804.1.1)	Retaining walls (1825.0)	* Actual floor area/conversion factor	Type of construction assumed for review

OCCUPANT NEEDS (Chapters 10, 11, 12)

MEANS OF EGRESS (Chapter 10)

OCCUPA	NT LOAD (1008.0 and Table	e 1008.1.2)		 General limitations (1005.0)
		Other occt.		 Types and location of egress (1006.0)
Location	Floor + person Occt. Area + (Table 1008.1.2) 1008.1.2	loads	Total	 Exit access travel distance (1006.5 ar Table 1006.5)
	1006.1.2)	1008.1.4, 1008.1.6)		 Accessible means of egress (1007.0)
				Emergency escape (1010.4)
				 Exit access corridors (1011.0)
*****				Aisles and accessways (1012.0)
		. <u> </u>		 Grandstands (1013.0)
				 Interior stairways (1014.1 - 1014.11)
	TY OF EGRESS COMPONE 1009.2)	NT (1009.0 an	nd	 Exterior stairways (1014.1 - 1014.10, 1014.12)
	Egress width (inch/occ	upant)		 Smokeproof enclosures (1015.0)
	_g. 555a (5., 555	~P~)		 Ramps (1016.0)
Location	Stairways	Doors/ramps corridors		 Means of egress doorways (1017.0)
Location	Cialinayo			 Revolving doors (1018.0)
				 Horizontal exits (1019.0)
			***************************************	 Level of exit discharge passageway (1020.0)
	· · · · · · · · · · · · · · · · · · ·			 Guards (1021.0)
				 Handrails (1022.0)
NUMBER	R OF EXITS (1010.0)			Exit signs and lights (1023.0)
Location	Required	Shown		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)	Special amusement buildings (413.0)
Open parking structures (406.0)	HPM facilities (416.0)
Private garages (407.0)	Hazardous materials (417.0)
Public garages (408.0)	Use Groups H-1, H-2, H-3 and H-4 (418.0)
Use Group I-2 (409.0)	Swimming pools (421.0)
Use Group I-3 (410.0)	
FIRE PROTECTION	(Chapters 6, 7, 8, 9)
FIRERESISTANT MATERIALS AND CO	NSTRUCTION (Chapter 7 and Table 602)
Note: Entry in indicates required rating in hours. NC indicates noncombustible construction.	
EXTERIOR WALLS (705.0, 715.5)	OTHER FIRERESISTANT CONSTRUCTION
North East South West	Fire and party walls (707.0 and Table 707.1)
Fire separation distance	Smoke barriers (712.0)
Loadbearing	Nonloadbearing partitions (Table 602)
Nonloadbearing	Interior loadbearing walls, columns, girders, trusses (715.0)
Parapet walls (705.6)	Structural wall supports (715.0)
FIRE SEPARATION ASSEMBLIES	Floor construction (713.0, 1006.3.1)
Exit enclosures (1014.11, 709.0)	Roof construction (713.0, 714.0)
Other shafts (709.0, 710.0)	Opening protectives (716.0, 717.0, 718.0, 719.0)
Mixed use and fire area separations (313.1.2)	Firestopping/draftstopping (720.0)
Other separation assemblies (Table 602)	Thermal and sound-insulating materials (722.0)
FIRE PARTITIONS	INTERIOR FINISHES
Exit access corridors (1011.4)	Smoke development (803.3.2)
Tenant separations (711.0)	Flame spread (803.4)
Dwelling unit separations (711.0)	Application (804.0)

FIRE PROTECTION SYSTEMS (Chapter 9)

Assembly (A-1, A-3, A-4) <i>(904.2)</i>	NFiPA 13 system (906.2.1)
Assembly (A-2) (904.3)	NFiPA 13R system (906.2.2)
Educational (E) (904.4)	NFiPA 13D system (906.2.3)
High-hazard (H) (904.5)	Design (906.3)
Institutional (I) (904.6)	Actuation (906.4)
Mercantile (M), Moderate-hazard storage (S-1), Factory and Industrial (F-1) (904.7)	Sprinkler alarms (906.5) Sprinkler riser (906.7)
Residential (R-1) (904.8)	LIMITED AREA SPRINKLER SYSTEMS
Residential (R-2) (904.9)	Where permitted (907.2)
Windowless story (904.10)	Design <i>(907.3)</i>
Specific occupancy areas (302.1.1)	Actuation (907.4)
Covered mall buildings (402.10)	Standpipe connection (907.6)
High-rise buildings (403.2)	Domestic supply (907.6.1)
Atriums (404.2)	Cross connection (907.6.2)
Underground structures (405.3)	Shutoff valve (907.6.3)
Public garages (408.3.1)	
Sound stages (411.7)	OTHER SUPPRESSION SYSTEMS
Stages and enclosed platforms (412.6)	Water-spray fixed systems (908.0)
Special amusement buildings (413.4)	Carbon dioxide extinguishing systems (909.0)
HPM facilities (416.4)	, ,
Paint spray booths and storage rooms (419.3)	Dry-chemical extinguishing systems (910.0)
	Foam-extinguishing systems (911.0)
Unlimited area buildings (507.1)	Halaganatad aytinguiahing ayatama
Unlimited area buildings (507.1) Exit lobbies (1020.3)	Halogenated extinguishing systems (912.0)
	(912.0) Wet-chemical range hood extinguishing
Exit lobbies (1020.3)	(912.0)

STANDPIPE SYSTEMS	AUTOMATIC FIRE DETECTION SYSTEMS		
Building height (914.2.1)	Approval (918.3)		
Building area (914.2.2)	Institutional (I) (918.4.1, 918.4.2, 918.4.3)		
Malls (914.2.3)	Residential (R-1) (918.4.4)		
Stages (412.7)	Sprinklered buildings exception (918.5)		
Approved system (914.3, 914.3.1)	Zones (918.6)		
Piping design (914.4)	SINGLE- AND MULTIPLE-STATION SMOKE		
Water supply (914.5)	DETECTORS		
Control valves (914.6)	Residential (R-1) (919.3.1)		
Hose connection (914.7)	Residential (R-2, R-3) (919.3.2)		
FIRE DEPARTMENT CONNECTIONS	Institutional (I-1) (919.3.3)		
Required (915.1)	Interconnection (919.4)		
Connections (915.2)	Battery backup (919.5)		
, ,	FIRE EXTINGUISHERS		
YARD HYDRANTS	Approval (920.1)		
Fire hydrants (916.1)	Required (920.2)		
FIRE PROTECTIVE SIGNALING SYSTEMS	SMOKE CONTROL SYSTEMS		
Approval (917.3)			
Assembly (A-4), Educational (E) (917.4.1)	Passive system (921.2.1)		
Business (B)(917.4.2)	Mechanical system (921.2.2)		
High-hazard (H) (917.4.3)	Activation (921.4)		
Institutional (I) (917.4.4)	Standby power <i>(921.5)</i>		
Residential (R-1) (917.4.5)	SMOKE AND HEAT VENTS		
Residential (R-2) (917.4.6)	Size and spacing (922.2)		
Location/details (917.5)	SUPERVISION		
Power supply/wiring (917.6, 917.7)	Fire suppression systems (923.1)		
Alarm-indicating appliances (917.8)	Fire protective signaling systems (923.2)		
Voice/alarm signaling system (917.9)			

CASE II — MIXED USE SEPARATED USE GROUPS

Enter Table 503 ratios of the adju	and find the sted tabula	e minimum construction ar area divided by the	on classific tabular are	eation providing ta ea for each use gr	abular areas which result in the sum of the roup being a maximum of 1.00.	
Actual floor area		Use	ft. ²	A . C		
		Use	ft. ²	Adjusted t	tabular area lar area =+==	
Adjusted tabular	area* _	Use	ft. ²	Minimum type	of construction required	
*Actual floor area		Use	ft. ²	(313.1.2, 503.1)		
Actual floor area	a/conversio	on factor		(602.2, 602.	uction assumed for review	
		UNLIMITED	AREA ON	IE-STORY BUILD	DINGS	
	Use group	classification (507.1))		High-hazard use groups (507.1.2)	
	Building h	eight (story, feet) (50)	7.1)	Fine company	North East South West	
	Type of co	onstruction (507.1)		Fire separatior distance (50		
*		sprinkler system 904.11)		Exterior wall ra (507.2)	ating	
	, ,	illdings <i>(507.1.1)</i>		Opening protect (507.2.1)	ctives	
		,		,		
			MEZZA	ANINES		
	Area limita	ation <i>(505.2)</i>			Openness (505.4)	
	Egress (5	(05.3)				
		SPECIAL USE	AND O	CCUPANCY (C	Chapter 4)	
COVERED MALI	L BUILDIN	GS			Alternative modifications (403.3)	
	Tenant se	parations (402.4)			Automatic fire detection (403.4)	
	Egress (4	02.5)		Voice/alarm signaling (403.5)		
	Mall width	(402.6)		-	Fire department communication (403.6)	
	Structural elements (402.7)		Fire command station (403.7)			
	Roof cove	erings <i>(402.8)</i>		Elevators (403.8)		
	A-1, A-2 o	ccupancy <i>(402.9)</i>		Standby systems (403.9)		
	Automatic	sprinkler system (402	2.10)	Stairway doors (403.10)		
	Standpipe	es (402.11)		ATRIUMS		
	Smoke co	ntrol (402.12)			Automatic sprinkler system (404.2)	
	Fire depar	tment access (402.13	3)	Occupancy (404.3)		
	Kiosk requ	uirements (402.15)		Smoke control (404.4)		
	Parking st	ructures (402.16)			Enclosure (404.5)	
HIGH-RISE BUIL	.DINGS				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 ENVIRO	NMENT (Chap	oter 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 ENVELO	PE (Chapt	ers 14, 15)		
EXTERIOR WALL CO	VERINGS (Ch	apter 14)		
Wall sidings and veneers (1404.0, 1405.0)		Combustible material restrictions (1406.0)		
ROOFS AND ROOF ST	RUCTURES (C	Chapter 15)		
Roof coverings (1505.0, 1506.0, 1507.0)		Roof structures (1510.0)		
STRUCTURAL SYSTEM	VIS (Chapte	ers 16, 17, 18)		
STRUCTURAL LO	OADS (Chapte	er 16)		
DESIGN LOADS ON CONSTRUCTION DOCUMENTS (1603.1)	Roof snow loads (1603.4, 1610.0)			
Uniformly distributed floor live loads		Ground snow load, <i>Pg</i> (1603.4, 1610.3)		
(1603.2, 1606.0)		If $P_g > 10$ psf, flat-roof snow load, P_f (1603.4, 1610.4)		
Live load reduction (1603.2, 1608.0)		If $P_g > 10$ psf, snow exposure factor, C_e		
Roof live loads (1603.3, 1609.0)		(1603.4, Table 1610.4)		
		If $P_g > 10$ psf, snow load importance factor, $I(1603.4, Table\ 1611.5)$		

	CORRECTION LIST (cont'd.)	
No.	DESCRIPTION	Code Section

STRUCTURAL MATERIALS (Chapters 19, 21, 22, 23)

CONCRETE (Chapter 19)

Reinforced and prestressed concrete design/construction standard specified (1901.1, 1903.1.1) Plain concrete design/construction standard specified (1901.2)	Minimum slab requirements (1905.1) Minimum concrete strength (Table 1907.1.2[1]) Cold-weather and hot-weather curing specified (1908.9, 1908.10)
MASONRY	(Chapter 21)
Engineered masonry design/construction standard specified (2101.1.1, 2104.3) Empirical masonry design (2101.1.2)	Mortar type (2105.7) Cold-weather and hot-weather construction specified (2112.3, 2112.4)
STEEL (C	Chapter 22)
Structural steel design/construction standard specified (2203.1, 2203.2)	Formed steel design/construction standard specified (2206.1)
Shop drawing preparation specified (2203.4)	Formed steel member identification (2206.6)
Open-web steel joist design/construction standard specified (2205.1)	
WOOD (C	Chapter 23)
Design/construction standard specified (2303.1)	Wind bracing (2305.7)
Grade mark specified (2303.1.1)	Seismic bracing (2305.8) Wood structural panels (2307.0)
HEAVY TIMBER CONSTRUCTION	Particleboard (2308.0)
Minimum dimensions (605.1, 2304.0)	Fiberboard (2309.0)
Design/construction standard specified (2304.1)	Fireretardant-treated wood (2310.0) Decay and termite protection (2311.0)
WOOD FRAME CONSTRUCTION	Joist hangers (2312.0)
Fastening and construction details (2305.0)	Metal-plate-connected trusses (2313.3.1,

CORRECTION LIST (cont'd.)			
No.	DESCRIPTION	Code Section	
	·		
		ļ	
	·		
	,		
· · · · · · · · · · · · · · · · · · ·			
		<u> </u>	
		<u> </u>	
The second secon			
		-	
		 	

EXISTING STRUCTURES (Chapter 34)

ADDITIONS, ALTERATIONS OR CHANGE OF OCCUPANCY

·			
oK VC7 General requirements (34	102 0)	NO Chang	e of occupancy <i>(3405.0)</i>
	702.0)	Onding	o or cocapancy (e rec.c)
Yesok Additions/alterations (340	03.0, 3404.0)	Compl	iance alternative evaluation (3408.0)
1			
BUILDIN	G EVALUATION S	SUMMARY <i>(Table 3408.7)</i>	·
		Proposed use group B	
for building was constructed 1800 to	Te, *	Number of stories 553	4 35% Height in feet
ype of construction Typey Heavy Timber	New 2CX	Area per floor 27500	1
ercentage of open perimeter 1000 %		Percentage of height reduct	
Completely suppressed: Yes Compartme	No	Corridor wall rating Yes	No Required door closers:
ireresistance rating of vertical opening enclosi			
ype of HVAC system			AI
utomatic fire detection: Yes*	No,	type and location	
ire protective signaling system: Yes	No,	type	
Smoke control: Yes		type	
dequate exit routes: Yes	No	Dead ends:	Yes No
Maximum exit access travel distance $250'$		Elevator controls:	YesNo
Means of egress emergency lighting: Yes $ $	No		Yes No
Safety	Fire	Means	General
parameters 2.16°	safety (FS)	of egress (N	ME) safety (GS)
408.6.1 Building height 26H	T 216	+ d.b	126
408.6.2 Building area	+ 4.8	£4.8	+400
408.6.3 Fire area	+ 10	+10	+10
408.6.4 Space division	. 0	\mathcal{O}	<u> </u>
408.6.5 Corridor wålls	\mathcal{O}	<u>U</u>	<u> </u>
3408.6.6 Vertical openings			
3408.6.7 HVAC systems	2	2	· _
3408.6.8 Automatic fire detection	3		gastilization consistence.
3408.6.9 Fire protective signaling system	\mathcal{O}	<i>C</i> /	
3408.6.10 Smoke control	* * * *		
3408.6.11 Exit capacity	* * * *	<u> </u>	5
3408.6.12 Dead ends	* * * *	0	<u>O</u>
3408.6.13 Max. exit access travel distance	* * * *	11.	11,0
3408.6.14 Elevator control		0	0
3408.6.15 Means of egress emergency lighting	* * * *	1	
3408.6.16 Mixęd use groups	U	***	U
3408.6.17 Automatic sprinklers	:,4	÷ 2 =	2
Building score — total value	26 BLd	9 LIMITS 3	5.4 41,4
* * * No applicable value to be inserted.	Type Lij -'	55Torles	Type 4-27500
	Type 3B	- 3 sTories - 3 stori	Type 30 - 3,450 Type 2C - 3,650
ب.	11 20	- 3 ston	4 TV8021- 200m
2 s Pens	ype de	5-	1171000