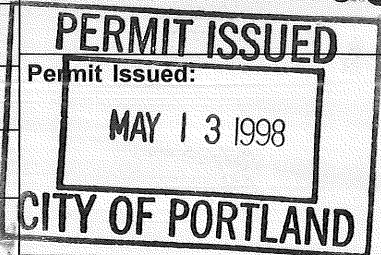


City of Portland, Maine – Building or Use Permit Application 39 Congress Street, 04101, Tel: (207) 874-8703, FAX: (207) 874-8716

Location of Construction: 2211 Congress St		Owner: UNUM		Phone: 773-1807		Permit No: 980486	
Owner Address:		Lessee/Buyer's Name:		Phone:		BusinessName:	
Contractor Name: Turner Construction Co.		Address: 2199 Congress St Portland, ME 04102		Phone:		Permit Issued: MAY 13 1998	
Past Use: Comm		Proposed Use: Comm/Office		COST OF WORK: \$ 14,174,000.00		PERMIT FEE: \$ 66,620.00	
Proposed Project Description: *** H03 *** Construct Office Building - Pnd Permit previously Issued				FIRE DEPT. <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied		INSPECTION: Use Group: Type:	
				Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>	
				PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)			
				Action: Approved <input type="checkbox"/>		Approved with Conditions: <input type="checkbox"/>	
Permit Taken By: Mary Gresik		Date Applied For: 07 May 1998					



Zone: CBL: 215-B-002

Zoning Approval:

Special Zone or Reviews:

Shoreland
 Wetland
 Flood Zone
 Subdivision
 Site Plan maj minor mm

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: _____

PERMIT ISSUED WITH REQUIREMENTS

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

SIGNATURE OF APPLICANT _____ ADDRESS: _____ DATE: 07 May 1998 PHONE: _____

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE _____ PHONE: _____

CEO DISTRICT *[Signature]*

Foundations on separate permit. 8 June 98 Steel on site started erection -
 11 June 2 stories of steel SE section set.
 1/July steel erection Foundation 99% done, slab 90% placed (see report)
 8/July walk site Foundation completed, steel, slab work, placing concrete
 slabs on floors above grade on Fri. - Report are being received on time, work
 going well. 17 July 98 walked site with Bill Wright - placing slabs
 Parks of 1st, 2nd and 3rd floors - ~~21~~ 22 July 98 - underground PLBG. Insp Kitcher area
 22 July 98 site insp. OK
 4 Aug. 98 Top off steel work - 26 Aug 98 on site walk area with David
 and Lt. McDougal - Concrete slabs being placed on all floors, Temp. elec. plbg.
 will be on today - Fire proofing of steel about completed - 2 Sept-98 Elec.
 PLBG - HVAC - pre-cast concrete outside sheathing be place - 11 Sept 98 walk
 site with Supt. Bill Wright - 18 Sept. 98 walk site with Scott Robins work
 going as per plans - 25 General Inspection Closing in building
 Fire proofing - 1 OCT. - 2 General Inspection walk bldg. with B. Robins
 work going well - 30 OCT 98 Inspected bldg. with Lt. McDougal windows
 being placed - Curtain walls about completed -

Inspection Record

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



CITY OF PORTLAND, MAINE
Department of Building Inspection

Certificate of Occupancy

LOCATION 2211 Congress St CBL #215-B-002

Issued to UNUM

Date of Issue July 20, 1999

This is to certify that the building, premises, or part thereof, at the above location, built — altered — changed as to use under Building Permit No. 980486, has had final inspection, has been found to conform substantially to requirements of Zoning Ordinance and Building Code of the City, and is hereby approved for occupancy or use, limited or otherwise, as indicated below.

PORTION OF BUILDING OR PREMISES

H08

APPROVED OCCUPANCY

Use Group B Office Building
Type of Construction 2A
BOCA 1996

Limiting Conditions:

This certificate supersedes
certificate issued

Approved:

20 July 1999

(Date)

Inspector

Inspector of Buildings

Notice: This certificate identifies lawful use of building or premises, and ought to be transferred from owner to owner when property changes hands. Copy will be furnished to owner or lessee for one dollar.

THIS IS NOT A PERMIT/CONSTRUCTION CANNOT COMMENCE UNTIL THE PERMIT IS ISSUED

**Building or Use Permit Application
Attached Single Family Dwellings/Two-Family Dwelling
Multi-Family or Commercial Structures and Additions Thereto**

In the interest of processing your application in the quickest possible manner, please complete the Information below for a Building or Use Permit.

NOTEIf you or the property owner owes real estate or personal property taxes or user charges on ANY PROPERTY within the City, payment arrangements must be made before permits of any kind are accepted.**

Location/Address of Construction: <u>2 UNUM Insurance Co. 2211 Congress Street</u>		
Total Square Footage of Proposed Structure	<u>300,000 SF</u>	Square Footage of Lot
Tax Assessor's Chart, Block & Lot Number Chart# <u>215</u> Block# <u>B</u> Lot# <u>2</u>	Owner: <u>UNUM Insurance Co. of America</u>	Telephone#: <u>207 773-1807</u>
Owner's Address: <u>2211 Congress St. Portland, ME</u>	Lessee/Buyer's Name (If Applicable) <u>N/A</u>	Cost Of Work: <u>SEE \$ ATTACHED LETTER</u>
Proposed Project Description:(Please be as specific as possible) <u>OFFICE BUILDING #H03. 4 story "L" shaped w/ 300' x 300' Long dimensions - Site review has been previously approved. FDN Permit has already been issued.</u>		
Contractor's Name, Address & Telephone <u>TURNER CONSTRUCTION CO. 2199 CONGRESS ST. PORTLAND, ME. - MAIC TO: [Signature]</u>		
Current Use: <u>Commercial</u>	Proposed Use: <u>Commercial/Office Use Group</u>	

Separate permits are required for Internal & External Plumbing, HVAC and Electrical installation.

- All construction must be conducted in compliance with the 1996 B.O.C.A. Building Code as amended by Section 6-Art II.
- All plumbing must be conducted in compliance with the State of Maine Plumbing Code.
- All Electrical Installation must comply with the 1996 National Electrical Code as amended by Section 6-Art III.
- HVAC(Heating, Ventilation and Air Conditioning) installation must comply with the 1993 BOCA Mechanical Code.

You must Include the following with you application:

- 1) A Copy of Your Deed or Purchase and Sale Agreement
- 2) A Copy of your Construction Contract, if available
- 3) A Plot Plan/Site Plan

Minor or Major site plan review will be required for the above proposed projects. The attached checklist outlines the minimum standards for a site plan.

4) Building Plans

Unless exempted by State Law, construction documents must be designed by a registered design professional.

A complete set of construction drawings showing all of the following elements of construction:

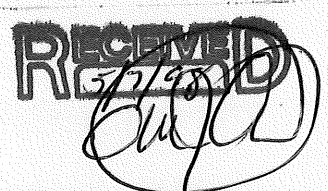
- Cross Sections w/Framing details (including porches, decks w/ railings, and accessory structures)
- Floor Plans & Elevations
- Window and door schedules
- Foundation plans with required drainage and dampproofing
- Electrical and plumbing layout. Mechanical drawings for any specialized equipment such as furnaces, chimneys, gas equipment, HVAC equipment (air handling) or other types of work that may require special review must be included.

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/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature of applicant: <u>[Signature]</u>	Date: <u>5/7/98</u>
--	---------------------

Building Permit Fee: \$25.00 for the 1st \$1000.cost plus \$5.00 per \$1,000.00 construction cost thereafter.
Additional Site review and related fees are attached on a separate addendum



CITY OF PORTLAND, MAINE
DEVELOPMENT REVIEW APPLICATION
PLANNING DEPARTMENT PROCESSING FORM
ADDENDUM

19980007

I. D. Number

U 1
Applicant
Portland, ME
Applicant's Mailing Address
Sebago Tech/Wil Conway
Consultant/Agent
856-0277 856-2206
Applicant or Agent Daytime Telephone, Fax

1/30/98

Application Date

HO3/UNUM

Project Name/Description

2211 Congress St

Address of Proposed Site

215-B-002,003,005,006,010

Assessor's Reference: Chart-Block-Lot

DRC Conditions of Approval

Planning Conditions of Approval

no Cof O until unum submits final construction drawings for roadway improvements (congress/johnson)

Inspections Conditions of Approval

Fire Conditions of Approval

Application requires State Fire Marshal approval.

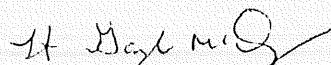
PORTLAND FIRE DEPARTMENT

Review Date: 5/11/98 Contractor: Turner Construction

Address: 2211 Congress St CBL: _____

Please note marked Conditions of Approval

- * The boiler or furnace shall be protected by enclosing with one hour fire rated construction including fire doors and ceiling or by providing automatic extinguishment and smoke protected enclosure. Sprinkler piping serving not more than six sprinklers may be connected to a domestic water supply system having a capacity sufficient to provide a 0.15 gpm per sq ft of floor throughout the entire area. An indicating shut-off valve shall be installed in an accessible location between the sprinkler and the connection to the domestic water supply. Minimum pipe size shall be 3/4" copper or 1" steel. Maximum coverage area of a residential sprinkler is 144 sq ft per sprinkler.
- (*) All required fire alarm systems shall have the capacity of zone disconnect via switches or key pad program provided the method is approved by the Fire Prevention Bureau.
- (*) All remote annunciators shall have a visible trouble indicator along with the fire alarm zone indicators.
- (*) Any master box connected to the municipal fire alarm system shall have a supervised municipal disconnect switch.
- (*) All master box locations shall be approved by the Fire Dept. Director of Communications.
- (*) A master box shall be located so that the center of the box is five feet above finished floor.
- (*) All master box locations are required to have a Knox box.
- (*) A fire alarm acceptance report shall be submitted to the Portland Fire Department.
- * All underground tank removal(s) and/or installation(s) shall be done in accordance with the Department of Environmental Protection and Regulation (Chapter 691).
- * No cutting of tanks on site. Cutting of tanks to be done at an approved disposal site.
- * The fire dispatcher must be notified at least 48 hrs in advance of removal or transportation of tanks.
- * All above ground L/P tanks shall be located in accordance with NFPA 58 standards.
- * Any tank located near the path of vehicle movement shall be protected.
- * All piping shall be protected from possible mechanical damage and vandalism.
- (*) A 4" storz fire department connection is required.
- * Any renovation of sprinkler system over 20 heads must have State Fire Marshall approval.
- (*) A sprinkler performance test shall be submitted to the P.F.D. after completion of work.
- (*) State Fire Marshall approval is required for this project.



Lt. Gaylen Mc Dougall
Portland Fire Prevention Bureau

BUILDING PERMIT REPORT

DATE: 5/11/98 ADDRESS: 2211 Congress St
REASON FOR PERMIT: New Construction
BUILDING OWNER: JNUM
CONTRACTOR: Turner Construction
PERMIT APPLICANT: -
USE GROUP _____ BOCA 1996 CONSTRUCTION TYPE _____

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, *10, *17, *18, *19, *20, *24, *26, *27, *29

- *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)
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 +2", 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.

24. 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.

26. 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).

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

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

29. Signage required in stairwells in accordance w/ NFPA 101 Sec 5-2.2.6.6

- 30. _____
- 31. _____
- 32. _____

P. Samuel Hoffses, Code Enforcement

Handwritten initials

cc: Lt. McDougall PFD

Marge Schmuckal

Handwritten scribble

Project Name: UNUM
 Project Address: 2211 Congress H.O. 3

Inspection Date	Type of Inspection	Remarks - prints - page #
20 MAY 98	ON SITE - SITE Clearing blasting. earth work	Construction Trailers on site
14 APR. 98	walked site with Scott Robins - will be placing concrete pads on Thurs. for part of Foundation M03	
17 APR. 98	walked site with William Wright Supt. of Project - Concrete placed	Receiving daily reports for Turner
30 APR 98	walked project with Supt. & Lt. McDougall Foundation about completion for O.B. great work.	
7 May 98	on site Foundation - site work, met with Supt. Wright & M.A. Robbins	work going well
14 May 98	Under ground (leader) PLBG. Insp. water test being done - Turner will send letter on final results - I inspected drain but not complete water test - (Received report)	
19 May 98	walk site with Scott Robins and Lt. McDougall (PFD) all elevator shafts in Foundation perimeter about completed steel will be on site within 2 weeks -	
26 MAY 98	work site with R. Scott Asst. Supt. of job - work going as per plan - Asphalt down for Temp. parking - 80% of Foundation walls placed - 8 June steel will be on job site - ALL Insp. reports coming in from Cole & Abbott. Question Cole and M.A. Robins on slump of 5 1/2" - They stated this was a pumping situation and was OK.	
1 June 98	Under-ground PLBG. OK -	
2 June 98	Under-ground PLBG. Insp. rain leaders OK	
11 June 98	Under-ground PLBG. Insp. rain leader & Sanitary	
16 June 98	Site work only raining hard - talked to Scott Robins about the location of Fire Hyd. Lt. McDougall was present -	
22 June 98	Inspected area with Lt. McDougall & Scott Robins walk site, steel erection slab placement - Under-ground PLBG work going well	
26 June 98	ON SITE Under-ground PLBG. Insp. Report from special Insp. reviewed all OK	
1 July 98	Foundation 99% done Slab approx 90% - work going as per plan	
9 July 98	walk site with R. Scott	see - back of permit card

Project Name: HO # 3 UNU
 Project Address: 2211 CONGRESS ST, OFFICE BLDG

Inspection Date	Type of Inspection	Remarks - prints - page#
14 OCT - 98	General Inspection - Placing window -	Final proofing, etc, PLAC, M.C.U. -
02 OCT - 98	walk site with Scot Robins - work on Framing Completed exterior -	
28 OCT - 98	STARTED interior Framing - work going as per plans -	
13 NOV - 98	work going well -	
18 NOV - 98	Interior Steel Stud Framing all Floor - HVAC all Floor -	
24 NOV - 98	Fire protection all Floors - Cd-Tr walls all Floors - Some gas Lines in and tested. work going very well all reports being received	
1 Dec. 98	walk site with Lt. McDougall - closing in about completed work going well -	
8 Dec. 98	on site work going well, all windows installed; work going as per plans -	
15 Dec. 98	walk site Office Complex 95 closed in - All Trades working gas Line (Partial) installed and tested this line is 6" reports received OK	
17 Dec. 98	walk site with Lt. McDougall - spoke with Ed on Fire dampers - fire block in	
29 Dec. 98	walk project - work going well & PLAC - rough in section A Floors 1-2-3+4 - water TEST SANTI. and Potable water qir tested -	
5 Jan 99	walk site - closing in of room 402 etc - 432, 6th lobby - 431 Conference room - 430 Conference room -	
14 Jan 99	walk site - work going well, All Trades active -	
19 Jan 99	Inspected site gave closing in for rooms 401, 403, 405-404 - 437-438 - 440 - 439 - 441 - 301 - 311 - 111 - 102 - 201 - 215 - 122 - Receiving all reports from Special Inspections -	
27 Jan 99	Closing in inspection Rms 435, 433, 437, 434, shaft 4th Floor, 439, 410, 409, 411, 443, 444, 446. Lt. McDougall present.	
2 Feb. 99	Closing in inspection for Rm 330-331-332-333-334-304-305-303-160 154-156-157-158-174 - Lt. McDougall present	
4 Feb 99	Closing in - 311, 309, 310, 345 East section open office space - except column C+D - and East stair well -	
9 Feb - 99	Closing in etc. PLD. Bldg - Rm 7, 156, 155, 157, 158, 160, 154, 178, 177, 150, 162, 183, 184, 177, 120A, 245, 246, 347, 344, 209-1210, 211, 204, 203, 205 - stair tower A, B, C.	
12 Feb - 99	walk site with Lt. McDougall PLD -	
17 Feb - 99	Closing in inspection Rm 185, 169, 171, 168, 176, 173, 172, 163, 164, 108B, 114, 110, 113A, 113, 111, 115, 348, 204, 232, 231, 225, 237, 238, 236 - wall inspection -	
19 Feb - 99	Closing in inspection Rms 243, 209, 210, 211, 241, 240, 239	
245-246.	Closing in inspection 108A, 161, 105, 109, 107, 237, 230, 234, 232, 241	

Project Name: UNUM 2211 Congress St.
 Project Address: H03

Inspection Date	Type of Inspection	Remarks - prints - page #
23/Feb/99	Closing in inspection, 165 -	
26/Feb/99	Closing in 300 - met with Supt. Wright to discuss project, &	
5 March	walked site work going well, &	
12 March	walked site same -	
17 March	walked site with Lt. McDougall and Doug 4 th Floor - Ceiling	
	Closing in -	
23 March on	on site walk area work going well	
31 March	Closing in inspections on rms 124, 125, 403, 405 - 411 - 433 - 436 439 - 442 - 443 - 446 -	
6 APRIL	Closing in inspection, with with letters of Turner - All reports being received from Special Inspectors.	
12 APRIL	Talked with O. Wright about HVAC roof top units - M. Collins, elec. inspector has concern on the whole unit having a U.L. label - Even though each unit with the whole has a U.L. listing - M.A. Wright is working on this.	
20 APRIL	walk site with Scott Robins - Ceiling 3 rd floor OK to close it.	
23 APRIL	on site walk site with Doug - approved Third Floor - closing in ceiling	
27 APRIL	work going well walked area.	
21 MAY	98% of structural done - outside landscaping - elec. and PLbg. work.	
20 MAY	- work about same - Heavy outside work - Kitchen interior finish-work 4 th Floor completed.	
25 MAY -	on site no Insp.	
8 JUNE	Finish work outside & inside -	
8 JUNE	on site with Lt. McDougall Talked with Supt. Wright & Scott Robins.	
13 July	on Final Insp. procedure & inspected 4, 3, 2 and 1 st floors - PLbg, Elec and bldg. done - This was a pre-Final Insp. Kitchen equipment had pull tests OK. This walk through was with Lt. McDougall, M.A. Joe G. and M.A. B. Wright -	
2 July	Kitchen health Insp. with M.A. Rowe of this office - OK.	

BOCA®
NATIONAL BUILDING CODE/1996
PLAN REVIEW RECORD

Valuation: \$14,174,000

Plan Review # _____

Fee: \$6,620.00

Date: 12 MAY 98

JURISDICTION Portland Cumberland Maine
(City, County, Township, etc.)

BUILDING LOCATION 2211 Congress St. 215-B-002
(Street address)

BUILDING DESCRIPTION Office Building - Base Group 2A Const. Class.
300,000 sq ft 62' High

REVIEWED BY Sam Haffey 12 MAY 98

Numerals indicated in parenthesis are applicable code sections of the 1996 BOCA National Building Code. The organization of this Plan Review Record follows the common Building Code format first implemented in the 1993 BOCA National Building Code. The plan review accomplished as indicated in this record is limited to those code sections specifically identified herein. This record references commonly applicable code sections. It does not reference all code provisions which may be applicable to specific buildings. This record is designed to be used only by those who are knowledgeable and capable of exercising competent judgement in evaluating construction documents for code compliance.

CORRECTION LIST

No.	DESCRIPTION	Code Section
1.	Please read and implement all site plan requirements.	
2.	Please read attached Portland Fire Dept. Check List of Conditions of approval	
3.	Please read and implement attached letter dated May 12, 1998 from Michael Collins, The City's Chief Electrical Inspector -	
4.	All penetrations shall be done in accordance with section 714.0 of the building code.	714.0
5.	Special Insp.	1705.0
6.	STATE review for accessibility -	
7.	STATE of MAINE Inspection for elevators	
8.	STATE of MAINE Plumbing Code req.	
9.		



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BUILDING OFFICIALS AND CODE ADMINISTRATORS INTERNATIONAL, INC.
4051 W. FLOSSMOOR ROAD COUNTRY CLUB HILLS, ILLINOIS 60478-5795

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

ADMINISTRATION (Chapter 1)

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

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

USE OR OCCUPANCY CLASSIFICATION (302.0-313.0)

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

GENERAL BUILDING LIMITATIONS (Chapters 5 & 6)

Apply Case 1 to determine the allowable height and area and permitted types of construction for a building containing a single use group or nonseparated mixed use groups. Apply Case 2 to determine the allowable height and area and permitted types of construction for a building containing separated mixed use groups.

AREA MODIFICATIONS TO TABLE 503

% of Allowable tabular area (Table 503)	<u>100%</u>
% Reduction for height (Table 506.4)	<u>- 10 %</u>
% Increase for open perimeter (506.2)	<u>+ 90 %</u>
% Increase for automatic sprinklers (506.3)	<u>+ 100 %</u>
Total percentage factor	<u>= 280 %</u>
Conversion factor	<u>280 / 100 = 2.8</u> (Total percentage factor / 100%)

~~280~~

Open perimeter (506.2)	<u>290'</u>	<u>155'</u>	<u>0</u>	<u>455'</u>
	North	East	South	West
Open perim. <u>900</u> ft.	Perimeter <u>1250</u> ft.			
% Open perimeter =	<u>900 / 1250 = .72</u> (Open perim./perim.) × 100%			
% Tab. area increase =	<u>2 × (90 - 25 = 65) = 130</u> (506.2) 2 × (% Open perim. - 25%)			

34,240 ft² total area **OK**

CASE 1 — SINGLE USE OR NONSEPARATED MIXED USE GROUPS (313.1.1, 503.0)

Using Table 503, identify the allowable height and area of the single use group or the most restrictive of the nonseparated mixed use groups. Construction types that provide an allowable tabular area equal to or greater than the adjusted floor area and allowable heights (as modified by Section 504.0) equal to or greater than the actual building height are permitted.

Actual floor area	<u>57400 74401</u> ft. ²	Actual building height	_____ feet	<u>4</u> stories
Adjusted floor area*	<u>100900 26572</u> ft. ²	Allowable building height	_____ feet	_____ stories

*Adjusted floor area = actual floor area / conversion factor

Permitted types of construction _____ Type of construction assumed for review (602.3) 2A

CASE 2 — MIXED USE SEPARATED USE GROUPS

Using Table 503, identify the allowable height and area of each of the separated use groups within the building. Construction types that provide, for each story of the building, tabular areas which result in a sum of the ratios of 1.00 or less and allowable heights (as modified by Section 504.0) equal to or greater than the actual height of the use group are permitted.

Story	Use Group	Actual floor area	Adjusted floor area*	Actual height	Allowable height (Table 503)
_____	_____	_____ ft ²	_____ ft ²	_____ ft _____ stories	_____ ft _____ stories
_____	_____	_____ ft ²	_____ ft ²	_____ ft _____ stories	_____ ft _____ stories
_____	_____	_____ ft ²	_____ ft ²	_____ ft _____ stories	_____ ft _____ stories
_____	_____	_____ ft ²	_____ ft ²	_____ ft _____ stories	_____ ft _____ stories
_____	_____	_____ ft ²	_____ ft ²	_____ ft _____ stories	_____ ft _____ stories
_____	_____	_____ ft ²	_____ ft ²	_____ ft _____ stories	_____ ft _____ stories
_____	_____	_____ ft ²	_____ ft ²	_____ ft _____ stories	_____ ft _____ stories

*Adjusted floor area = actual floor area/conversion factor

$$\sum \frac{\text{Adjusted floor area}^*}{\text{Allowable area (Table 503)}} = \text{_____} + \text{_____} + \text{_____} + \text{_____} = \text{_____} \leq 1.00$$

Permitted types of construction _____ Type of construction assumed for review (602.3) _____

UNLIMITED AREA ONE-STORY BUILDINGS

- _____ Use group classification (507.1) _____ School buildings (507.1.1)
- _____ Building height (story, feet) (507.1) _____ High-hazard use groups (507.1.2)
- _____ Type of construction (507.1) _____ Exterior walls (507.2)
- _____ Automatic sprinkler system (507.1, 904.11)

MEZZANINES

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

SPECIAL USE AND OCCUPANCY (Chapter 4)

COVERED MALL BUILDINGS

- ~~N/A~~ _____ Tenant separations (402.4)
- _____ Egress (402.5)
- _____ Mall width (402.6)
- _____ Structural elements (402.7)
- _____ Roof coverings (402.8)
- _____ A-1, A-2 occupancy (402.9)
- _____ Automatic sprinkler system (402.10)
- _____ Standpipes (402.11)
- _____ Fire department access (402.12)
- _____ Kiosk requirements (402.14)

_____ Parking structures (402.15)

HIGH-RISE BUILDINGS

- ~~N/A~~ _____ Automatic sprinkler system (403.2)
- _____ Alternative sprinkler modifications (403.3)
- _____ Automatic fire detection (403.4)
- _____ Voice/alarm signaling systems (403.5)
- _____ Fire department communication (403.6)
- _____ Fire command station (403.7)
- _____ Elevators (403.8)
- _____ Standby systems (403.9)
- _____ Stairway doors (403.10)

ATRIUMS

- N/A Automatic sprinkler system (404.2)
- N/A Occupancy (404.3)
- N/A Smoke control (404.4)
- Enclosure (404.5)
- Fire alarm system (404.6)
- Travel distance (404.7)

OTHER SPECIAL USE AND OCCUPANCY

- W/A Underground structures (405.0)
- A 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)
- Stages and platforms (412.0)
- Special amusement buildings (413.0)
- HPM facilities (416.0)
- Hazardous materials (307.8, 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 required.

COMBUSTIBILITY (603.0, 604.0, 605.0, 606.0)

- 603 OK Exterior walls
- OK Interior elements
- OK Roof

CONSTRUCTION DOCUMENTS (703.0)

- OK Fire tests (704.0)

EXTERIOR WALLS (507.2, 705.0, 716.5)

	North	East	South	West
Fire separation distance	100'	100'	60'	100'

Loadbearing

Nonloadbearing

O Exterior opening protectives (705.3, 706.0)

N/A Parapet walls (705.6)

FIRE SEPARATION ASSEMBLIES

OK Exit enclosures (709.0, 710.0, 1014.11)

Other shafts (709.0, 710.0)

Mixed use and fire area separations (313.1.2)

Other separation assemblies (302.1.1, Table 602)

FIRE PARTITIONS

- Exit access corridors (711.0, 1011.4)
- N/A Tenant separations (711.0)
- N/A Dwelling unit separations (711.0)
- N/A Guestroom separations (711.0)

OTHER FIRERESISTANT CONSTRUCTION

- N/A Fire and party walls (707.0 and Table 707.1)
- N/A Smoke barriers (712.0)
- 1 Hr. Nonloadbearing partitions (Table 602)
- 1 Hr. Interior loadbearing walls, columns, girders, trusses (716.0)
- OK Supporting construction (716.0)
- 713, 3-1/2 Floor construction (713.0, 1006.3.1)
- Roof construction (713.0, 715.0)
- Penetrations (714.0)
- Opening protectives (717.0, 719.0, 720.0)
- Fire dampers (718.0)
- 713, 1 N/A Fireblocking/draftstopping (721.0)
- Thermal and sound-insulating materials (723.0)

INTERIOR FINISHES (Chapter 8)

OK

Smoke development (803.3.2)

Flame spread (803.4)

|

Floor finish (805.0, 806.0)

FIRE PROTECTION SYSTEMS (Chapter 9)

FIRE SUPPRESSION SYSTEMS (Where required)

- N/A* 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, 904.11)
- 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

- State Approved* NFPA 13 system (906.2.1)
- N/A* NFPA 13R system (906.2.2)
- N/A* NFPA 13D system (906.2.3)
- N/A* Design (906.3)
- Actuation (906.4)
- Sprinkler alarms (906.5)
- Sprinkler riser (906.7)

LIMITED AREA SPRINKLER SYSTEMS

- N/A* 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

- N/A* 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)
- Clean agent fire extinguishing systems (913.0)
- Wet-chemical range hood extinguishing systems (914.0)

STANDPIPE SYSTEMS

Fire dept

- _____ Building height (915.2.1)
- _____ Building area (915.2.2)
- _____ Malls (915.2.3)
- _____ Stages (915.2.4)
- _____ Approved system (915.3, 915.3.1)
- _____ Piping design (915.4)
- _____ Water supply (915.5)
- _____ Control valves (915.6)
- _____ Hose connection (915.7)

FIRE DEPARTMENT CONNECTIONS

Fire Dept

- _____ Required (916.1)
- _____ Connections (916.2)

YARD HYDRANTS

- _____ Fire hydrants (917.1)

FIRE ALARM SYSTEMS

OK

Fire dept

- _____ Approval (918.3)
- _____ Assembly (A-4), Educational (E) (918.4.1)
- _____ Business (B) (918.4.2)
- _____ High-hazard (H) (918.4.3)
- _____ Institutional (I) (918.4.4)
- _____ Residential (R-1) (918.4.5)
- _____ Residential (R-2) (918.4.6)
- _____ Location/details (918.5)
- _____ Power supply/wiring (918.6, 918.7)
- _____ Alarm-notification appliances (918.8)
- _____ Voice/alarm signaling system (918.9)

AUTOMATIC FIRE DETECTION SYSTEMS

- _____ Approval (919.3)
- _____ Institutional (I) (919.4.1, 919.4.2, 919.4.3)
- _____ Residential (R-1) (919.4.4)
- _____ Sprinklered buildings exception (919.5)
- _____ Zones (919.6)

SINGLE- AND MULTIPLE-STATION SMOKE DETECTORS

- _____ N/A Residential (R-1) (920.3.1)
- _____ Residential (R-2, R-3) (920.3.2)
- _____ Institutional (I-1) (920.3.3)
- _____ Interconnection (920.4)
- _____ Battery backup (920.5)

FIRE EXTINGUISHERS

- _____ N/A Approval (921.1)
- _____ Required (921.2)

SMOKE CONTROL SYSTEMS

- _____ Passive system (922.2.1)
- _____ Mechanical system (922.2.2)
- _____ Smoke removal (922.3)
- _____ Activation (922.4)
- _____ Standby power (922.5)

SMOKE AND HEAT VENTS

- _____ Size and spacing (923.2)

SUPERVISION

- _____ OK Fire suppression systems (924.1)
- _____ Fire alarm systems (924.2)

OCCUPANT NEEDS (Chapters 10, 11, 12)

MEANS OF EGRESS (Chapter 10)

OCCUPANT LOAD (1008.0 and Table 1008.1.2)

CAPACITY OF EGRESS COMPONENTS (1009.0 and Table 1009.2)

Location	Floor Area	Sq. ft./person	Occt. load	Other occt. loads	Total
Fire Dept					
OK					

Egress width (inch/occupant) **2000**
Stairways _____
Doors/ramps/corridors _____

CAPACITY

Location	Stairways	Doors/ramps corridors

NUMBER OF EXITS (1010.0)

Location	Required	Shown

MEANS OF EGRESS (continued)

General limitations (1005.0)	Ramps (1016.0)
Air movement in egress elements (1005.7)	Means of egress doorways (1017.0)
Types and location of egress (1006.0)	Number of doorways (1017.2)
Exit access travel distance (1006.5 and Table 1006.5)	Size of doors (1017.3)
Accessible means of egress (1007.0)	Door hardware (1017.4)
Emergency escape (1010.4)	Revolving doors (1018.0)
Exit access passageways and corridors (1011.0)	Horizontal exits (1019.0)
Aisles and accessways (1012.0)	Level of exit discharge passageway (1020.0)
Grandstands (1013.0)	Guards (1021.0)
Interior stairways (1014.1 - 1014.11)	Handrails (1022.0)
Exterior stairways (1014.1 - 1014.10, 1014.12)	Exit signs and lights (1023.0)
Smokeproof enclosures (1015.0)	Means of egress lighting (1024.0)
	Access to roof (1027.0)

ACCESSIBILITY (Chapter 11)

STATE REVIEW

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)

<i>OK</i> Room dimensions (1204.0)	Air-borne noise (STC) (1214.2)
<i>OK</i> Roof spaces (1210.1, 1211.2)	Structure-borne sound (IIC) (1214.3)
Crawl spaces (1210.2, 1211.1)	Ratproofing (1215.0)

BUILDING ENVELOPE (Chapters 14, 15)

EXTERIOR WALL COVERINGS (Chapter 14)

<i>OK</i> Performance requirements (1403.0)	<i>N/A</i> Combustible material restrictions (1406.0)
<i>Masonry</i> Wall sidings and veneers (1404.0, 1405.0)	

ROOFS AND ROOF STRUCTURES (Chapter 15)

<p><u>OK</u> Performance requirements (1505.0)</p> <p><u>N/A</u> Fire classification (1506.0)</p> <p><u>N/A</u> Steep-slope roof coverings (1507.4)</p>	<p><u>E.P.D.M. Membrane</u> Low-slope roof coverings (1507.5)</p> <p><u>OK</u> Flashing (1508.0)</p> <p>Roof structures (1510.0)</p>
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STRUCTURAL SYSTEMS (Chapters 16, 17, 18)

STRUCTURAL LOADS (Chapter 16)

See General Notes SO.1 of Plans

DESIGN LOADS ON CONSTRUCTION DOCUMENTS (1603.1)

Uniformly distributed floor live loads (1603.2, 1606.0)

Floor Area Use	Loads Shown
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Live load reduction (1603.2, 1606.7)

Roof live loads (1603.3, 1607.0)

Roof snow loads (1603.4, 1608.0)

42 PSF Ground snow load, P_g (1608.3)

If $P_g > 10$ psf, flat-roof snow load, P_f (1608.4)

If $P_g > 10$ psf, snow exposure factor, C_e (Table 1608.4)

Sloped roof snowload, P_s (1608.5)

If $P_g > 10$ psf, snow load importance factor, I (Table 1609.5)

Wind loads (1603.5, 1609.0)

85 MPH Basic wind speed (1609.3)

Wind exposure category (1609.4)

Wind importance factor, I (Table 1609.5)

Wind design pressure, P (1609.7)

Earthquake loads (1603.6, 1610.0)

C = 1.0 Exposure C Peak velocity-related acceleration, A_v (1610.1.3)

Peak acceleration, A_a (1610.1.3)

Seismic hazard exposure group (1610.1.5)

Seismic performance category (1610.1.7)

Soil-profile type (Table 1610.3.1)

Basic structural system and seismic-resisting system (Table 1610.3.3)

Response modification factor, R , and deflection amplification factor, C_d (Table 1610.3.3)

Analysis procedure (1610.4, 1610.5)

Other loads

N/A Attic load (1606.2.2, 1606.2.3)

OK Partition loads (1606.2.4)

OK Concentrated loads (1606.3)

OK Impact loads (1606.6)

OK Misc. loads (1606.4, 1606.8, 1606.9, 1607.5, 1612.0)

STRUCTURAL DESIGN CALCULATIONS

OK Submitted for all structural members (107.7)

yes Signed/sealed (107.7, 114.1)

Deflection limits considered (1604.5)

see sealed Plans SO.1

STRUCTURAL DESIGN CALCULATIONS (continued)

<u>OK</u>	Unbalanced snow loads considered (1608.6)		Internal pressure effects considered (1609.7, 1609.8)
	Drift snow loads considered (1608.7)		Components and cladding effects considered (1609.8)
	Sliding snow loads considered (1608.8)		Load combinations considered (1613.1)

MATERIAL PERFORMANCE (Chapter 17)

<u>OK</u>	Material performance technical data or BOCA Evaluation Services or National Evaluation Services report supplied (1703.0) Report No. _____	_____	Masonry construction (1705.5)
<u>OK</u>	Owner's special inspection program specified (1705.0)	_____	Wood construction (1705.6)
_____	Prefabricated items (1705.2)	_____	Prepared fill and foundations (1705.7, 1705.8, 1705.9)
_____	Steel construction (1705.3)	_____	Fireresistive materials (1705.12)
_____	Concrete construction (1705.4)	_____	EIFS, wall panels and veneers (1705.10, 1705.13)

FOUNDATIONS AND RETAINING WALLS (Chapter 18)

Permitted under prior permit

_____	Soil type (1611.0, 1802.1, 1804.1)	_____	Foundations (1814.0 - 1824.0)
_____	Bearing value (1611.0, 1802.1, 1804.1)	_____	Foundation walls (1611.0, 1812.0)
_____	Soil report (1802.1, 1804.1)	_____	Waterproofing/dampproofing (1813.0)
_____	Prepared fill (1804.1.1)	_____	Retaining walls (1611.0, 1825.0)
_____	Footings (1806.0 - 1811.0)		

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

Slabs 3500 PSI CONCRETE (Chapter 19)

<u>OK</u>	Plain, reinforced and prestressed concrete design/construction standard specified (1901.1, 1903.1.1)	_____	Minimum concrete strength (Table 1907.1.2[1])
	Minimum slab requirements (1905.1)	_____	Cold-weather and hot-weather curing specified (1908.9, 1908.10)

MASONRY (Chapter 21)

_____	Engineered masonry design/construction standard specified (2101.1.1)	_____	Cold-weather and hot-weather construction specified (2111.3, 2111.4)
_____	Empirical masonry design (2101.1.2)	<u>N/A</u>	Fireplaces and chimneys (2103.2, 2113.0 - 2117.0)
_____	Construction materials (2104.0)		
_____	Mortar type (2104.7)		Glass block (2118.0)

STEEL (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 (Chapter 23)

_____	Installation inspections (2301.2)	_____	Seismic bracing (2305.8)
_____	Design/construction standard specified (2303.1)	_____	Foundation anchorage (2305.17)
_____	Grade mark specified (2303.1.1)	_____	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)	_____	Fire-retardant-treated wood (2310.0)
WOOD FRAME CONSTRUCTION		_____	Decay and termite protection (2311.0)
_____	Fastening and construction details (2305.0, Table 2305.2)	_____	Joist hangers (2312.0)
_____	Wind bracing design required (2305.7)	_____	Prefabricated components (2313.1, 2313.2)
		_____	Metal-plate-connected trusses (2313.3.1, 2313.3.2)

NONSTRUCTURAL MATERIALS (Chapters 24, 25, 26)

GLASS AND GLAZING (Chapter 24)

_____	Skylights (2404.0)	_____	Safety glazing (2405.0, 2406.0, 2407.0)
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GYPSUM BOARD AND PLASTER (Chapter 25)

_____	Gypsum board materials (2503.0, Table 2503.2, Table 2503.3)	_____	Plaster (2504.0, 2505.0, 2506.0)
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PLASTIC (Chapter 26)

_____	Approved materials (2601.2)	_____	FOAM PLASTIC (2603.0)
_____	Identification (2601.4)	_____	Labeling (2603.2)
_____	Interior trim (2603.7)	_____	Surface-burning characteristics (2603.3)
_____	Alternative approval (2603.8)	_____	Thermal barrier (2603.4)
		_____	Exterior walls (2603.5, 2603.6)

LIGHT-TRANSMITTING PLASTIC (2603.5, 2604.0)

Unprotected openings (2606.0)

Diffusing systems (2604.5)

Roof panels (2607.0)

Wall panels (2605.0)

Skylight glazing (2608.0)

BUILDING SERVICES (Chapters 28, 30)

MECHANICAL SYSTEMS (Chapter 28)

N/A Waste- and linen-handling systems (2807.0)

Refuse vaults (2808.0)

ELEVATORS AND CONVEYING SYSTEMS (~~Chapter 30~~ *STATE*)

STATE Construction standard specified (3001.2)

Venting (3007.3 - 3007.6)

Elevator emergency operation (3006.2)

Opening protectives (3008.2)

Hoistway enclosure (3007.1)

Conveyors and escalators (3010.0, 3011.0)

SPECIAL DEVICES AND CONDITIONS (Chapters 31, 34)

SPECIAL CONSTRUCTION (Chapter 31)

N/A Membrane structures (3103.0)

PEDESTRIAN WALKWAYS (3106.0)

N/A Flood-resistant construction (3107.0)

N/A Construction and use (3106.1 - 3106.3)

N/A Towers (3108.0)

Separation (3106.4)

Local approval (3106.5)

Egress and size (3106.6 - 3106.8)

N/A EXISTING STRUCTURES (Chapter 34)

ADDITIONS, ALTERATIONS OR CHANGE OF OCCUPANCY

N/A General requirements (3402.0)

Additions/alterations (3403.0, 3404.0)

Structural loads (1614.0, 3402.5)

Change of occupancy (1110.3, 3405.0)

Accessibility (1110.0, 3402.7)

Compliance alternative evaluation (3408.0)

BUILDING EVALUATION SUMMARY (Table 3408.7)

Existing use group _____

Proposed use group _____

Year building was constructed _____

Number of stories _____ Height in feet _____

Type of construction _____

Area per floor _____

Percentage of open perimeter _____ %

Percentage of height reduction _____ %

Completely suppressed: Yes _____ No _____

Corridor wall rating _____

Compartmentation: Yes _____ No _____

Required door closers: Yes _____ No _____

Fire-resistance rating of vertical opening enclosures _____

Type of HVAC system _____, serving number of floors _____

BUILDING EVALUATION SUMMARY (continued)

Automatic fire detection: Yes _____ No _____, type and location _____
 Fire alarm system: Yes _____ No _____, type _____
 Smoke control: Yes _____ No _____, type _____
 Adequate exit routes: Yes _____ No _____ Dead ends: Yes _____ No _____
 Maximum exit access travel distance _____ Elevator controls: Yes _____ No _____
 Means of egress emergency lighting: Yes _____ No _____ Mixed use groups: Yes _____ No _____

Safety parameters	Fire safety (FS)	Means of egress (ME)	General safety (GS)
3408.6.1 Building height			
3408.6.2 Building area			
3408.6.3 Compartmentation			
3408.6.4 Tenant and dwelling unit separations			
3408.6.5 Corridor walls			
3408.6.6 Vertical openings			
3408.6.7 HVAC systems			
3408.6.8 Automatic fire detection			
3408.6.9 Fire alarm system			
3408.6.10 Smoke control	****		
3408.6.11 Means of egress	****		
3408.6.12 Dead ends	****		
3408.6.13 Max. exit access travel distance	****		
3408.6.14 Elevator control			
3408.6.15 Means of egress emergency lighting	****		
3408.6.16 Mixed use groups		****	
3408.6.17 Sprinklers		+ 2 =	
3408.6.18 Specific occupancy area protection			
Building score — total value			

**** No applicable value to be inserted.

BUILDING SAFETY EVALUATION SCORE (Table 3408.9)

Formula	Table 3408.7	Table 3408.8	Score	Pass	Fail
FS-MFS ≥ 0	_____ (FS)	- _____ (MFS)	= _____	_____	_____
ME-MME ≥ 0	_____ (ME)	- _____ (MME)	= _____	_____	_____
GS-MGS ≥ 0	_____ (GS)	- _____ (MGS)	= _____	_____	_____

FS = Fire Safety
 ME = Means of Egress
 GS = General Safety

MFS = Mandatory Fire Safety
 MME = Mandatory Means of Egress
 MGS = Mandatory General Safety