

Location of Construction: 2211 Congress St		Owner: UNUM		Phone:		Permit No: 980401			
Owner Address:		Lessee/Buyer's Name:		Phone:		Business Name:			
Contractor Name: Turner Construction Co		Address: 855 Beyleston St Boston MA 02116		Phone: 617-247-6400		<div style="border: 2px solid black; padding: 5px; text-align: center;"> PERMIT ISSUED Permit Issued: APR 24 1998 CITY OF PORTLAND </div>			
Past Use: Vacant Land		Proposed Use: Garage		COST OF WORK: \$ 7,559,000				PERMIT FEE: \$ 37,320.00	
				FIRE DEPT. <input type="checkbox"/> Approved <input type="checkbox"/> Denied				INSPECTION: Use Group: S2 Type: 2A Signature: [Signature]	
				Signature:				Signature: [Signature]	
Proposed Project Description: Parking Garage (per plans)				PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)				Zone: CBL: 215-B-002	
				Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved with Conditions <input type="checkbox"/> Denied				Zoning Approval:	
				Signature: Date:				Special Zone or Reviews: <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan maj <input type="checkbox"/> minor <input type="checkbox"/> mm <input type="checkbox"/>	
Permit Taken By: Sherry Pinard		Date Applied For: April 13, 1998						Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied	

- 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..

Turner Construction Co
2199 Congress St
Portland ME 04102

PERMIT ISSUED WITH LETTER

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

William T. Wright
SIGNATURE OF APPLICANT
William T. Wright

ADDRESS: DATE: PHONE:

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE PHONE:

CEO DISTRICT
SAM [Signature]

8/July/98 Have been checking site weekly still doing site work and excavation work.

4/Aug/98 SITE work & 26 AUG. 1998 SITE work south section - Piers being place North line - Form work and re-rods center section all as per plans

2 Sept. 98 Under-ground PLBG - inspection - OK - Site work and Forms Foundation being work upon

11/Sept. 98 General Inspections - 16 Sept. 98 wing & lean - underground PLBG - Insp. Air Test - 18 Sept - walk site with Scott Robbins Asst. Supt.

24/Sept/98 General Insp. Foundation site work

2/Oct/98 General Insp Same. Foundation site work PLBG che. Cord.

8/Oct/98 ON site Same Foundation and site work - 8

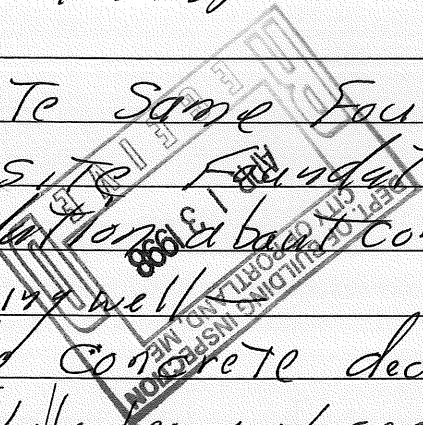
14/Oct/98 ON site Foundation PLBG che. site work

22/Oct/98 Foundation about completed

28/Oct/98 work going well

13/Nov/98 walk side concrete decks (slabs) being placed

18/Nov/98 Concrete slabs being placed southern section -



Inspection Record

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



CITY OF PORTLAND, MAINE
Department of Building Inspection

Certificate of Occupancy

LOCATION 2211 Congress Street CBL#215-B-002

Issued to UNDM

Date of Issue May 27, 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. , 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

APPROVED OCCUPANCY

Use Group S-2 Open Parking Garage
Type of Construction 2 A
Boca 1996

Limiting Conditions:

Temporary Certificate of Occupancy

This certificate supersedes
certificate issued

Approved:

May 27, 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.

MA *UNDM*



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. 980401, 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

Entire

APPROVED OCCUPANCY

Use Group S2 Parking Garage
Type of Construction 2A
BOCA 1996

Limiting Conditions:

This certificate supersedes
certificate issued

Approved:

20/Jul/1/99
(Date)

[Signature]
Inspector

[Signature]
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.

[Handwritten initials]

From: Gaylen McDougall
To: SPH
Date: Wed, May 5, 1999 8:06 am
Subject: UNUM parking garage-fire alarm

Sam, I checked NFPA 72 for the requirement for the V/A in the parking garage. I referenced section 6-4.4, table 6-4.4.1 (b), note 1 "Where ceiling heights exceed 30', visible signaling appliances shall be suspended at or below 30' or wall-mounted in accordance with table 6-4.4.1.1 (a). Table 6-4.4.1.1 is for light output. I okayed the location of the appliances on the metal section of the stair case.

Mac

BOCA®

NATIONAL BUILDING CODE/1996

PLAN REVIEW RECORD

Valuation: ~~7559.00~~

Plan Review # _____

Fee: ~~37,320.00~~

Date: 21/APRIL/98

JURISDICTION Portland Cumberland, Me.

(City, County, Township, etc.)

BUILDING LOCATION 2211 Congress ST. (215-B-002)

(Street address)

BUILDING DESCRIPTION 3 level open parking structure (car total 1228)USE Group S-2TYPE 2AREVIEWED BY HoffnerBOCA 96

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.	Site Plan requirements	
2.	Roof storage of motor vehicles	408.3.2
3.	Opening Limitations Guards/Handrails. STAIR # 7 STAIR # 4	1021.3
4.	Standpipe Systems	915.0
5.	Fire Dept. Connections. STOR 2 4"	916.0
6.	Fire alarm acceptance report To PTLD Fire Dept.	



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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)

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 OK

% of Allowable tabular area (Table 503)	<u>100%</u>
% 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 = $\frac{\text{Open perim.}}{\text{Perimeter}} \times 100\%$

% Tab. area increase = $\frac{\text{Open perim.}}{2 \times (\% \text{ Open perim.} - 25\%)}$ (506.2)

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 _____ ft.² Actual building height _____ feet _____ stories
 Adjusted floor area* _____ 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) _____

CASE 2 — MIXED USE SEPARATED USE GROUPS

OK, N/A

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
_____	_____	_____ 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 *N/A*

- _____ 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 *N/A*
- _____ Area limitation (505.2) _____ Openness (505.4)
- _____ Egress (505.3)

SPECIAL USE AND OCCUPANCY (Chapter 4)

COVERED MALL BUILDINGS

- _____ 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) *N/A*

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)
- Occupancy (404.3)
- Smoke control (404.4)
- Enclosure (404.5)
- Fire alarm system (404.6)
- Travel distance (404.7)

N/A

- 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)

OTHER SPECIAL USE AND OCCUPANCY

- N/A* Underground structures (405.0)
- Open parking structures (406.0)

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)

- Exterior walls *OK*
- Interior elements *OK*
- Roof

CONSTRUCTION DOCUMENTS (703.0)

- Fire tests (704.0)

EXTERIOR WALLS (507.2, 705.0, 716.5)

	North	East	South	West
Fire separation distance	<i>OK</i>			
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"/>

- Exterior opening protectives (705.3, 706.0)
- Parapet walls (705.6)

FIRE SEPARATION ASSEMBLIES *OK*

- N/A* 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

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

OTHER FIRERESISTANT CONSTRUCTION

- N/A* Fire and party walls (707.0 and Table 707.1)
- Smoke barriers (712.0)
- OK* Nonloadbearing partitions (Table 602)
- OK* Interior loadbearing walls, columns, girders, trusses (716.0)
- OK* Supporting construction (716.0)
- 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)
- Fireblocking/draftstopping (721.0)
- Thermal and sound-insulating materials (723.0)

INTERIOR FINISHES (Chapter 8)

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)
OK
N/A
 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

OK
 NFPA 13 system (906.2.1)
 NFPA 13R system (906.2.2)
 NFPA 13D system (906.2.3)
 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

- 0 Building height (915.2.1)
- Building area (915.2.2)
- N/A 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

- 916 Required (916.1)
- Connections (916.2)

YARD HYDRANTS

- Fire hydrants (917.1)

FIRE ALARM SYSTEMS *AS Per PTLD Fire Dept.*

- N/A 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

- N/A 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

- 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)

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

CAPACITY OF EGRESS COMPONENTS (1009.0 and Table 1009.2)

Egress width (inch/occupant)

Stairways _____

Doors/ramps/corridors _____

CAPACITY

Location	Stairways	Doors/ramps corridors

NUMBER OF EXITS (1010.0)

Location	Required	Shown

MEANS OF EGRESS (continued)

OK

General limitations (1005.0)

Air movement in egress elements (1005.7)

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 passageways and 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)

Number of doorways (1017.2)

Size of doors (1017.3)

Door hardware (1017.4)

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)

ACCESSIBILITY (Chapter 11)

STATE

Required (1103.0)

Accessible route (1104.0)

Parking facilities (1105.0)

Accessible entrances (1106.0)

Special use groups (1107.0)

Features and facilities (1108.0)

INTERIOR ENVIRONMENT (Chapter 12)

OK

N/A

Room dimensions (1204.0)

Roof spaces (1210.1, 1211.2)

Crawl spaces (1210.2, 1211.1)

Air-borne noise (STC) (1214.2)

Structure-borne sound (IIC) (1214.3)

Ratproofing (1215.0)

BUILDING ENVELOPE (Chapters 14, 15)

EXTERIOR WALL COVERINGS (Chapter 14)

OK

Performance requirements (1403.0)

Wall sidings and veneers (1404.0, 1405.0)

Combustible material restrictions (1406.0)

ROOFS AND ROOF STRUCTURES (Chapter 15)

<div style="text-align: center; margin-bottom: 5px;"><i>OK</i></div> <hr style="border: 0.5px solid black;"/> <div style="text-align: center; margin-bottom: 5px;"><i>OK</i></div> <hr style="border: 0.5px solid black;"/> <div style="text-align: center; margin-bottom: 5px;"><i>N/A</i></div> <hr style="border: 0.5px solid black;"/>	Performance requirements (1505.0) Fire classification (1506.0) Steep-slope roof coverings (1507.4) Low-slope roof coverings (1507.5) Flashing (1508.0) Roof structures (1510.0)
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STRUCTURAL SYSTEMS (Chapters 16, 17, 18)

See STRUCTURAL LOADS (Chapter 16)
 General Notes page SGO-1 of Plans - STATE OF MAINE PE # 8049 Arthur G. Stading

DESIGN LOADS ON CONSTRUCTION DOCUMENTS (1603.1)

Uniformly distributed floor live loads (1603.2, 1606.0)

Floor Area Use	Loads Shown
	<i>See plans</i>
	<i>OK</i>

Live load reduction (1603.2, 1606.7)

Roof live loads (1603.3, 1607.0)

Roof snow loads (1603.4, 1608.0)

See plan notes 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)

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)

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

Attic load (1606.2.2, 1606.2.3)

Partition loads (1606.2.4)

Concentrated loads (1606.3)

Impact loads (1606.6)

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

STRUCTURAL DESIGN CALCULATIONS

Submitted for all structural members (107.7)

Signed/sealed (107.7, 114.1)

Deflection limits considered (1604.5)

STRUCTURAL DESIGN CALCULATIONS (continued)

	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)

	Material performance technical data or BOCA Evaluation Services or National Evaluation Services report supplied (1703.0) Report No. _____		Masonry construction (1705.5)
	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)

See General Notes

OK 	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)

CONCRETE (Chapter 19)

See General Notes pg 5601

OK 	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 speci- fied (1908.9, 1908.10)

MASONRY (Chapter 21)

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

STEEL (Chapter 22)

see general notes pg. 560.1

OK

OK

Structural steel design/construction standard specified (2203.1, 2203.2)

Shop drawing preparation specified (2203.4)

Open-web steel joist design/construction standard specified (2205.1)

Formed steel design/construction standard specified (2206.1)

Formed steel member identification (2206.6)

WOOD (Chapter 23) N/A

Installation inspections (2301.2)

Design/construction standard specified (2303.1)

Grade mark specified (2303.1.1)

HEAVY TIMBER CONSTRUCTION

Minimum dimensions (605.1, 2304.0)

Design/construction standard specified (2304.1)

WOOD FRAME CONSTRUCTION

Fastening and construction details (2305.0, Table 2305.2)

Wind bracing design required (2305.7)

Seismic bracing (2305.8)

Foundation anchorage (2305.17)

Wood structural panels (2307.0)

Particleboard (2308.0)

Fiberboard (2309.0)

Fireretardant-treated wood (2310.0)

Decay and termite protection (2311.0)

Joist hangers (2312.0)

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) N/A

Skylights (2404.0)

Safety glazing (2405.0, 2406.0, 2407.0)

GYPSUM BOARD AND PLASTER (Chapter 25) N/A

Gypsum board materials (2503.0, Table 2503.2, Table 2503.3)

Plaster (2504.0, 2505.0, 2506.0)

PLASTIC (Chapter 26) N/A

Approved materials (2601.2)

Identification (2601.4)

Interior trim (2603.7)

Alternative approval (2603.8)

FOAM PLASTIC (2603.0)

Labeling (2603.2)

Surface-burning characteristics (2603.3)

Thermal barrier (2603.4)

Exterior walls (2603.5, 2603.6)

LIGHT-TRANSMITTING PLASTIC (2603.5, 2604.0)

Unprotected openings (2606.0)

N/A Diffusing systems (2604.5)

Roof panels (2607.0)

N/A 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 Review*

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)

Flood-resistant construction (3107.0)

N/A Construction and use (3106.1 - 3106.3)

Towers (3108.0)

Separation (3106.4)

Local approval (3106.5)

Egress and size (3106.6 - 3106.8)

EXISTING STRUCTURES (Chapter 34) *N/A*

ADDITIONS, ALTERATIONS OR CHANGE OF OCCUPANCY

N/A General requirements (3402.0)

N/A 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 _____	

N/A
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