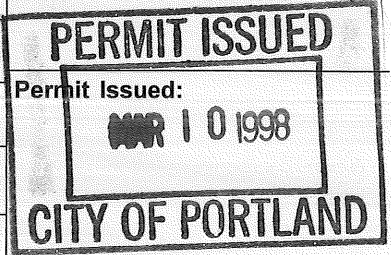


City of Portland, Maine – Building or Use Permit Application 389 Congress Street, 04101, Tel: (207) 874-8703, FAX: 874-8716

980198 Permit No: 700198

Location of Construction: 2211 Congress St		Owner: UNUH		Phone:	
Owner Address:		Lessee/Buyer's Name:		Phone:	
Contractor Name: Turner Construction Co.		Address: 855 Boylston St Boston, MA		Phone: 6400 02116 617-247-6600	
Past Use: Vacant Land		Proposed Use: New Building office		COST OF WORK: \$ 850,000.00 PERMIT FEE: \$ 4,270.00 FIRE DEPT. <input type="checkbox"/> Approved <input type="checkbox"/> Denied INSPECTION: Use Group: Type: Signature: Date:	
Proposed Project Description: Foundation Only for #03				PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.) Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved with Conditions <input type="checkbox"/> Denied Signature: Date:	
Permit Taken By: Mary Gresik		Date Applied For: 03 March 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

William T. Wright
 SIGNATURE OF APPLICANT **Bill Wright** ADDRESS: DATE: 03 March 1998 PHONE:
Turner Construction Co.
 RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE PHONE:

CEO DISTRICT Sam

BUILDING PERMIT REPORT

DATE: 9 March 98 ADDRESS: 2211 Congress St. (215-B-092)
REASON FOR PERMIT: Foundation only For office building
BUILDING OWNER: UNUM
CONTRACTOR: Turner Const. Co.
PERMIT APPLICANT: Bill Wright Turner Const.
USE GROUP B BOCA 1996 CONSTRUCTION TYPE 1

CONDITION(S) OF APPROVAL

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

Approved with the following conditions: *1 *2 *3 *4

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

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

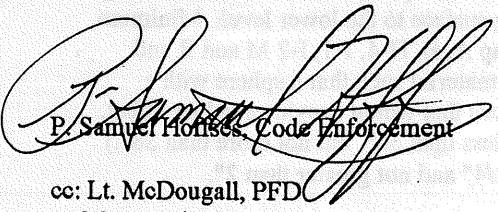
- In the immediate vicinity of bedrooms
- In all bedrooms
- In each story within a dwelling unit, including basements

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

17. 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.
18. The Fire Alarm System shall be maintained to NFPA #72 Standard.
19. The Sprinkler System shall maintained to NFPA #13 Standard.
20. 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)
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. Soil reports shall be submitted to the office of Inspection Service.

30. _____
31. _____
32. _____



P. Samuel Holmes, Code Enforcement

cc: Lt. McDougall, PFD
Marge Schmuckal

BOCA®

NATIONAL BUILDING CODE/1996

PLAN REVIEW RECORD

Valuation: \$850,000.00

Plan Review # _____

Fee: \$4,270.00

Date: 9/mar. 98

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

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

BUILDING DESCRIPTION Foundation only For HO 3 unum office Bldg.

Use or occupancy

REVIEWED BY B.S. Huffer

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.	Special Inspections (see file for Letter From Northland Development to me dated March 2, 1998.	1705.0
2.	Letter From SMMA #97094 MR. Richard M. Crosswell PE on Foundation design.	
3.	Chapter 18 Foundation -	
4.	Soil Investigations	1803.1
5.	Soil report	1804.0



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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)

B Single Use Group N/A Specific occupancy areas (302.1.1)
N/A Mixed Use Groups N/A 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)	- _____ %
% 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 = _____	(Open perim./perim.) × 100%				
% Tab. area increase = _____ (506.2)	2 × (% Open perim. - 25%)				

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

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

- _____ 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)

N.A. 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

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

OTHER SPECIAL USE AND OCCUPANCY

- N.A. _____ Underground structures (405.0)
- _____ Open parking structures (406.0)



- _____ Private garages (407.0)
- _____ Public garages (408.0)
- _____ Use Group I-2 (409.0)
- _____ Use Group I-3 (410.0)
- _____ 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)

- _____ Exterior walls
- _____ Interior elements
- _____ Roof

CONSTRUCTION DOCUMENTS (703.0)

- _____ Fire tests (704.0)

EXTERIOR WALLS (507.2, 705.0, 716.5)

	North	East	South	West
Fire separation distance	_____	_____	_____	_____
Loadbearing	<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____
Nonloadbearing	<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____

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

FIRE SEPARATION ASSEMBLIES

- _____ 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)
- _____ Tenant separations (711.0)
- _____ Dwelling unit separations (711.0)
- _____ Guestroom separations (711.0)

OTHER FIRERESISTANT CONSTRUCTION

- _____ Fire and party walls (707.0 and Table 707.1)
- _____ Smoke barriers (712.0)
- _____ Nonloadbearing partitions (Table 602)
- _____ Interior loadbearing walls, columns, girders, trusses (716.0)
- _____ 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)

Floor finish (805.0, 806.0)

Flame spread (803.4)

FIRE PROTECTION SYSTEMS (Chapter 9)

FIRE SUPPRESSION SYSTEMS (Where required)

Assembly (A-1, A-3, A-4) (904.2)

Assembly (A-2) (904.3)

Educational (E) (904.4)

High-hazard (H) (904.5)

Institutional (I) (904.6)

Mercantile (M), Moderate-hazard
storage (S-1), Factory and Industrial
(F-1) (904.7)

Residential (R-1) (904.8)

Residential (R-2) (904.9)

Windowless story (904.10)

Specific occupancy areas (302.1.1,
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

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

Where permitted (907.2)

Design (907.3)

Actuation (907.4)

Standpipe connection (907.6)

Domestic supply (907.6.1)

Cross connection (907.6.2)

Shutoff valve (907.6.3)

OTHER SUPPRESSION SYSTEMS

Water-spray fixed systems (908.0)

Carbon dioxide extinguishing systems
(909.0)

Dry-chemical extinguishing systems
(910.0)

Foam-extinguishing systems (911.0)

Halogenated extinguishing systems
(912.0)

Clean agent fire extinguishing systems
(913.0)

Wet-chemical range hood extinguishing
systems (914.0)

STANDPIPE SYSTEMS

- _____ 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

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

YARD HYDRANTS

- _____ Fire hydrants (917.1)

FIRE ALARM SYSTEMS

- _____ 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

- _____ 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

- _____ 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

- _____ 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
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Egress width (inch/occupant)

Stairways _____

Doors/ramps/corridors _____

CAPACITY

Location	Stairways	Doors/ramps corridors
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

NUMBER OF EXITS (1010.0)

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

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)

_____	Room dimensions (1204.0)	_____	Air-borne noise (STC) (1214.2)
_____	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)

_____	Performance requirements (1403.0)	_____	Combustible material restrictions (1406.0)
_____	Wall sidings and veneers (1404.0, 1405.0)		

ROOFS AND ROOF STRUCTURES (Chapter 15)

_____ Performance requirements (1505.0)	_____ Low-slope roof coverings (1507.5)
_____ Fire classification (1506.0)	_____ Flashing (1508.0)
_____ Steep-slope roof coverings (1507.4)	_____ Roof structures (1510.0)

STRUCTURAL SYSTEMS (Chapters 16, 17, 18)

STRUCTURAL LOADS (Chapter 16)

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)

_____ 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)

_____	Soil type (1611.0, 1802.1, 1804.1)	<i>See letter</i>	Foundations (1814.0 - 1824.0)
_____	Bearing value (1611.0, 1802.1, 1804.1)	<i>See letter</i>	Foundation walls (1611.0, 1812.0)
_____	Soil report (1802.1, 1804.1)	<i>See spec.</i>	Waterproofing/dampproofing (1813.0)
_____	Prepared fill (1804.1.1)	_____	Retaining walls (1611.0, 1825.0)
<i>see letter</i>	Footings (1806.0 - 1811.0)	_____	

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

CONCRETE (Chapter 19)

_____	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)

_____	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)	_____	Fireplaces and chimneys (2103.2, 2113.0 - 2117.0)
_____	Construction materials (2104.0)	_____	Glass block (2118.0)
_____	Mortar type (2104.7)	_____	

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)
_____		_____	Particleboard (2308.0)
_____		_____	Fiberboard (2309.0)
_____		_____	Fire-retardant-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)
_____		_____	
_____		_____	

HEAVY TIMBER CONSTRUCTION

WOOD FRAME CONSTRUCTION

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)

Waste- and linen-handling systems (2807.0)

Refuse vaults (2808.0)

ELEVATORS AND CONVEYING SYSTEMS (Chapter 30)

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)

Membrane structures (3103.0)

PEDESTRIAN WALKWAYS (3106.0)

Flood-resistant construction (3107.0)

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)

ADDITIONS, ALTERATIONS OR CHANGE OF OCCUPANCY

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

Applicant: Bill Wright

Date: 3/5/98

Address: 2211 Congress St HO3-C-B-L: 215-B-002 etc
office

CHECK-LIST AGAINST ZONING ORDINANCE

Date - New on site

Zone Location - OP

Interior or corner lot -

Proposed Use/Work - install foundation only

Sewage Disposal -

Lot Street Frontage - 100' min — 2000' + shown

Front Yard - 50' min — 50' + shown

Rear Yard - 50' min — 50' + shown

Side Yard - 25' min
(doesn't Abut A Residential (zone) house)

Projections -

Width of Lot - 150' min — 2000' + shown

Height - 55' MAX
or 75' if over 50 Acres } No elevations shown yet

Lot Area - 1.5 Acres req — 2 Acres + shown

Lot Coverage/ Impervious Surface -

Area per Family -

Off-street Parking - over 50,000 sq ft — set by The PLANNING BOARD

Loading Bays -

Site Plan - Major

Shoreland Zoning/ Stream Protection - N/A

Flood Plains - N/A

Sep. permit req. for Signage