

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

Location of Construction: 468 Fore Street		Owner: Harbor Plaza Assoc. II		Phone: 772-2992		Permit No: 114	
Owner Address: 261 Commercial Street		Lessee/Buyer's Name: Portland Harbor Hotel LLC		Phone:		BusinessName:	
Contractor Name: ***Allied/Cook Construction		Address: **PO Box 1396 Portland, ME 04104		Phone:		Permit Issued: FEB 20 01	
Past Use: Parking Garage		Proposed Use: Same w/Hotel over it		COST OF WORK: \$ 0		PERMIT FEE: \$ Paid	
				FIRE DEPT. <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied		INSPECTION: Use Group: A1 Type: 2A DOCA99	
				Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>	
Proposed Project Description: Amendment to permit # 001335 (2nd amendment) Hotel all Interior				PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.) Action: Approved <input type="checkbox"/> Approved with Conditions: <input type="checkbox"/> Denied <input type="checkbox"/>			
Permit Taken By: Gayle		Date Applied For: February 14, 2001 gg					

1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal rules.
2. Building permits do not include plumbing, septic or electrical work.
3. 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..

Zone: B-3 CBL: 038-F-008

Zoning Approval:
All previous conditions

Special Zone or Reviews:

Shoreland *Are still*

Wetland *in effort*

Flood Zone

Subdivision *[Signature]*

Site Plan, map minor with

2/20/01

Zoning Appeal

Variance

Miscellaneous

Conditional Use

Interpretation

Approved

Denied

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

Historic Preservation

Not in District or Landmark

Does Not Require Review

Requires Review

Action:

Approved

Approved with Conditions

Denied

Date: _____

SIGNATURE OF APPLICANT _____ ADDRESS: _____ DATE: February 14, 2001 PHONE: _____

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

PERMIT ISSUED WITH REQUIREMENTS

Sam

CEO DISTRICT

City of Portland, Maine – Building or Use Permit Application 389 Congress Street, 04101, Tel: (207) 874-8703, FAX: (207) 874-8704

Location of Construction: 469 Fore Street Owner Address: 261 Commercial Street		Owner: Harbor Plaza Assoc. II		Phone: 772-2992		Permit No: 001335	
Contractor Name: *** Allied/Cook Construction		Lessee/Buyer's Name: Portland Harbor Hotel LLC		Phone:		BusinessName:	
Past Use: parking garage		Proposed Use: same w/hotel over it		COST OF WORK: \$ \$ FIRE DEPT. <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied		PERMIT FEE: \$ \$ INSPECTION: Use Group A / Type: B	
Proposed Project Description: Amend permit # 000678 add Steel Erection				Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>	
Permit Taken By: K		Date Applied For: Nov 9 2000		PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.) Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved with Conditions <input type="checkbox"/> Denied		Zoning Approval: B-3 036 R 008 Special Zone or Revi <input type="checkbox"/> Shoreland <i>N/A</i> <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <i>All previous</i> <input type="checkbox"/> Subdivision <i>completes</i> <input type="checkbox"/> Site Plan <i>minor amm</i> <i>effect</i>	

Zoning Appeal

Variance
 Miscellaneous
 Conditional Use
 Interpretation
 Approved
 Denied

Historic Preservation

Not in District or Landmark
 Does Not Require Review
 Requires Review

Action: *get approvals - Alan Holt*

Approved
 Approved with Conditions
 Denied

Date: _____

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SIGNATURE OF APPLICANT _____ ADDRESS: _____ DATE: *Nov 9 2000* K PHONE: _____

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

PERMIT ISSUED WITH REQUIREMENTS

CEO DISTRICT S 311

BUILDING PERMIT REPORT

DATE: 14 February 2001 ADDRESS: 468 Fore ST. CBL: 038-F-008

REASON FOR PERMIT: Finishing Hotel (Interior Exterior)

BUILDING OWNER: Harbor Plaza Assoc. II

PERMIT APPLICANT: CONTRACTOR Ralied Cook Const.

USE GROUP: R-1 CONSTRUCTION TYPE: 2A CONSTRUCTION COST: Paid For on Orig. Permit FEES: permit

The City's Adopted Building Code (The BOCA National Building Code/1999 with City Amendments)
The City's Adopted Mechanical Code (The BOCA National Mechanical Code/1993)

CONDITION(S) OF APPROVAL

This permit is being issued with the understanding that the following conditions shall be met: *1, *10, *11, *13, *15, *17, *20, *21, *22, *23, *25, *27, *28, *29, *30, *34, *35, *37, *38, *39, *40, *41, *42, *43, *44

- *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) "ALL LOT LINES SHALL BE CLEARLY MARKED BEFORE CALLING."
3. Foundation drain shall be placed around the perimeter of a foundation that consists of gravel or crushed stone containing not more than 10 percent material that passes through a No. 4 sieve.
4. Foundations anchors shall be a minimum of 1/2" in diameter, 7" into the foundation wall, minimum of 12" from corners of foundation and a maximum 6' O.C. between bolts.
5. Waterproofing and dampproofing shall be done in accordance with Section 1813.0 of the building code.
6. Precaution must be taken to protect concrete and masonry. Concrete Sections 1908.9-19.8.10/ Masonry Sections 2111.3-2111.4.
7. It is strongly recommended that a registered land surveyor check all foundation forms before concrete is placed.
8. 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.
9. All chimneys and vents shall be installed and maintained as per Chapter 12 of the City's Mechanical Code.
*10. Sound transmission control in residential building shall be done in accordance with Chapter 12, Section 1214.0 of the City's Building Code.
*11. 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.
12. Headroom in habitable space is a minimum of 7'6". (Section 1204.0)
*13. Stair construction in Use Group R-3 & R-4 is a minimum of 10" tread and 7 1/2" maximum rise. All other Use Group minimum 11" tread, 7" maximum rise. (Section 1014.0)
14. The minimum headroom in all parts of a stairway shall not be less than 80 inches. (6'8") 1014.4
*15. 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.
16. Each apartment shall have access to two (2) separate, remote and approved means of egress.
*17. All vertical openings shall be enclosed with construction having a fire rating of at least one (1) hour, including fire doors with self closure's. (Over 3 stories in height requirements for fire rating is two (2) hours. (Section 710.0)
18. The boiler shall be protected by enclosing with (1) hour fire rated construction including fire doors and ceiling, or by providing automatic extinguishment. (Table 302.1.1)

19. 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 920.3.2 (BOCA National Building Code/1999), 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
- *20. 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. (Section 921.0)
- *21. The Fire Alarm System shall be installed and maintained to NFPA #72 Standard.
- *22. The Sprinkler System shall be installed and maintained to NFPA #13 Standard.
- *23. All exit signs, lights and means of egress lighting shall be done in accordance with Chapter 10 Section & Subsections 1023.0 & 1024.0 of the City's Building Code. (The BOCA National Building Code/1999)
24. 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".
- *25. 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 the Division of Inspection Services.
26. Ventilation and access shall meet the requirements of Chapter 12 Sections 1210.0 and 1211.0 of the City's Building Code. (Crawl spaces & attics).
- *27. All electrical, plumbing and HVAC permits must be obtained by Master Licensed holders of their trade. No closing in of walls until all electrical (min. 72 hours notice) and plumbing inspections have been done.
- *28. All requirements must be met before a final Certificate of Occupancy is issued.
- *29. 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).
- *30. Ventilation of spaces within a building shall be done in accordance with the City's Mechanical code (The BOCA National Mechanical Code/1993). (Chapter M-16)
31. Please read and implement the attached Land Use Zoning report requirements.
32. Boring, cutting and notching shall be done in accordance with Sections 2305.3, 2305.3.1, 2305.4.4 and 2305.5.1 of the City's Building Code.
33. Bridging shall comply with Section 2305.16.
- *34. Glass and glazing shall meet the requirements of Chapter 24 of the building code. (Safety Glazing Section 2406.0)
- *35. All flashing shall comply with Section 1406.3.10.
36. All signage shall be done in accordance with Section 3102.0 signs of the City's Building Code, (The BOCA National Building Code/1999).
- *37. ~~Special Inspections shall comply with section 1705.0 of the building code~~
- *38. ~~SIFS system shall comply with sections 1406 & 1705.1~~
- *39. ~~opening parking structures shall comply with section 410.0~~
- *40. ~~Interior load bearing walls, columns, girders and trusses shall comply with sec. 716.0~~
- *41. ~~Penetrations shall comply with section 714.0~~
- *42. ~~Interior finishes shall comply with Table 907.4~~
- *43. ~~Air-borne Noise and Structure-borne sound shall comply with Sec. 1214.2 & 1214.3~~
- *44. ~~Wall bracing and kneeers shall comply with sections 1404.4 - 1405.0~~

[Signature]
 Building Inspector
 Cc: Lt. McDougall, PFD
 Marge Schmuckal, Zoning Administrator
 Michael Nugent, Inspection Service Manager
 [Signature]

PSH 10/1/00

**This permit is herewith issued, on the basis of plans submitted and conditions placed on these plans, any deviations shall require a separate approval.

***THIS PERMIT HAS BEEN ISSUED WITH THE UNDERSTANDING THAT ALL THE CONDITIONS OF THE APPROVAL SHALL BE COMPLETED. THEREFORE, BEFORE THE WORK IS COMPLETED A REVISED PLAN OR STATEMENT FROM THE PERMIT HOLDER SHALL BE SUBMITTED TO THIS OFFICE SHOWING OR EXPLAINING THAT THE CONDITIONS HAVE BEEN MET. IF THIS REQUIREMENT IS NOT RECEIVED YOUR CERTIFICATE OF OCCUPANCY SHALL BE WITHHELD. (You Shall Call for Inspections)

****ALL PLANS THAT REQUIRE A PROFESSIONAL DESIGNER'S SEAL, (AS PER SECTION 114.0 OF THE BUILDING CODE) SHALL ALSO BE PRESENTED TO THIS DIVISION ON AUTO CAD LT. 2000, DXF FORMAT OR EQUIVALENT.

*****CERTIFICATE OF OCCUPANCY FEE \$50.00

**BOCA®
NATIONAL BUILDING CODE/1999
PLAN REVIEW RECORD**

Valuation: \$3,077,000

Plan Review # _____

Fee: \$18,486.00

Date: 11 Nov. 2000
18 June 2000

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

BUILDING LOCATION 468 Fore ST 038-F-008
(Street address)

BUILDING DESCRIPTION Hotel R-1

REVIEWED BY S. Neffses

Numerals indicated in parenthesis are applicable code sections of the 1999 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.	All site plan and building code requirements shall be completed before a Certificate of occupancy can or will be issued.	111.0 118.0
2.	Foundation plans design by Timothy G. Shelley P.E. #5952 see letter dated June 20, 2000	114.0
3.	This project will require special inspection as per section 1705.0 of the bldg code	1705
4.	All steel shall meet the requirements set forth in Chapter 22.	Chapter 22
5.	Seismic - Group II	Table 1610.1.5
6.	Seismic Performance Category B	Table 1610.1.7
7.	Special inspection shall be done to comply with section 1705.0	1705
8.	Laundries greater than 100 sq ft shall comply with Table 302.1.1	Table 302.1.1
9.	Open parking structures shall comply with section 406.0	406.0
10.	EXIT enclosures shall comply with section 709.0, 710.0, 1041	709.0 710.0 1041.1



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

CORRECTION LIST (cont'd.)

No.	DESCRIPTION	Code Section
11	Interior load-bearing wall, columns, girders and Trusses shall comply with section 716.0 (2hrs.)	716.0
12	Vertical shafts shall comply with section 710.0 (2hrs)	710.0
13	Penetrations shall comply with section 714.0	714.0
14	Fire Protection system shall comply with section 904.8	904.8
15	Interior Finish requirements shall comply with ^{table} Section 803.4	803.4
16	Standpipes are required as per section 915.2.1	915.2.1
16	Fire Alarms shall comply with section 918.4.5 ^{required.}	918.4.5
17	Smoke detectors shall comply with section 920.0	920.0
18	STATE approval is required for sprinkler fire suppression sys. & accessibility	STATE APPROV.
19	Air-borne noise (STC) & Structure-borne sound (IIC) shall comply with sections 1214.2 & 1214.3	1214.2 1214.3
20	Wall sidings and veneers shall comply with section 1404.0 - 1405.0	1404.0 1405.0
21	Flashing shall comply with sections 1508.0 & 1406.3.10	1508.0 1406.3.10
22	Glass & glazing shall comply with sections 2405.0 - 2407.0	2405.0 2406.0 2407.0
23	Waste and linen handling system shall comply with section 2809.0	2809.0
24		

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

ADMINISTRATION (Chapter 1)

X ok Complete construction documents
(107.5, 107.6, 107.7)

X ok 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

X ok 1 hour? Auto fire SUPPRESS.
Specific occupancy areas (302.1.1)

X Mixed Use Groups
- Parking garage -
open

X Accessory areas (302.1.2)
WASTE & SOILED LINEN

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>- 0%</u>
% Increase for open perimeter (506.2)	<u>+ 39%</u>
% Increase for automatic sprinklers (506.3)	<u>+ 100%</u>
Total percentage factor	<u>= 239%</u>
Conversion factor	<u>$\frac{239}{100} = 2.39$</u> (Total percentage factor/100%)

Open perimeter (506.2)	<u>130'</u> North	<u>165'</u> East	<u>Ø</u> South	<u>Ø</u> West
Open perim.	<u>295</u> ft.		Perimeter <u>665</u> ft.	
% Open perimeter =	$\frac{(295/665) = .44 \times 100}{(Open\ perim./perim.) \times 100\%} = 44\%$			
% Tab. area increase = (506.2)	$\frac{2 \times (44 - 25) = 19 \times 2 = 39\%}{2 \times (\% Open\ perim. - 25\%)}$			

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	<u>13,590</u> ft. ²	Actual building height	<u>40'</u> feet	<u>4</u> stories
Adjusted floor area*	<u>5686.0</u> ft. ²	Allowable building height	<u>90'</u> feet	<u>9</u> stories

*Adjusted floor area = actual floor area/conversion factor

Permitted types of construction 3A Type of construction assumed for review (602.3) 2A

OK

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
_____	_____	_____ ft ²	_____ ft ²	_____ ft _____ stories	_____ ft _____ stories

*Adjusted floor area = actual floor area/conversion factor

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

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

UNLIMITED AREA ONE-STORY BUILDINGS

<u>NA</u>	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

<u>NA</u>	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

<u>NA</u>	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

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

OTHER SPECIAL USE AND OCCUPANCY

- NA Underground structures (405.0)
- OK Open parking structures (406.0)

- NA Private garages (407.0)
- NA Public garages (408.0)
- NA Use Group I-2 (409.0)
- NA Use Group I-3 (410.0)
- NA Stages and platforms (412.0)
- NA Special amusement buildings (413.0)
- NA HPM facilities (416.0)
- NA Hazardous materials (307.8, 417.0)
- NA Use Groups H-1, H-2, H-3 and H-4 (418.0)
- NA 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)

- NA Exterior walls
- NA Interior elements
- NA Roof

CONSTRUCTION DOCUMENTS (703.0)

- ✓ Fire tests (704.0)

EXTERIOR WALLS (507.2, 705.0, 716.5)

	North	East	South	West
Fire separation distance	<u>50'</u>	<u>50'</u>	<u>20'</u>	<u>24'</u>
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"/>

- ~~96~~ unlimited Exterior opening protectives (705.3, 706.0)
- 0 Parapet walls (705.6)

FIRE SEPARATION ASSEMBLIES

- 2 Exit enclosures (709.0, 710.0, 1014.11)
- 2 Other shafts (709.0, 710.0)
- NA Mixed use and fire area separations (313.1.2)
- ✓ Other separation assemblies (302.1.1, Table 602)

FIRE PARTITIONS

- 1/2 Exit access corridors (711.0, 1011.4)
- NO Tenant separations (711.0)
- NA Dwelling unit separations (711.0)
- 1/2 Guestroom separations (711.0)

OTHER FIRERESISTANT CONSTRUCTION

- NA Fire and party walls (707.0 and Table 707.1)
- NA Smoke barriers (712.0)
- 1 Nonloadbearing partitions (Table 602)
- 2 Interior loadbearing walls, columns, girders, trusses (716.0)
- 2 Supporting construction (716.0)
- 1 1/2 Floor construction (713.0, 1006.3.1)
- 1 Roof construction (713.0, 715.0)
- ✓ Penetrations (714.0)
- ✓ Opening protectives (717.0, 719.0, 720.0)
- ✓ Fire dampers (718.0)
- NA 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)

- NA Assembly (A-1, A-3, A-4) (904.2)
- NA Assembly (A-2) (904.3)
- NA Educational (E) (904.4)
- NA High-hazard (H) (904.5)
- NA Institutional (I) (904.6)
- NA Mercantile (M), Moderate-hazard storage (S-1), Factory and Industrial (F-1) (904.7)
- ✓ yes Residential (R-1) (904.8)
- NA Residential (R-2) (904.9)
- NA Windowless story (904.10)
- NA Specific occupancy areas (302.1.1, 904.11)
- NA Covered mall buildings (402.10)
- NA High-rise buildings (403.2)
- NA Atriums (404.2)
- NA Underground structures (405.3)
- NA Public garages (408.3.1)
- NA Sound stages (411.7)
- NA Stages and enclosed platforms (412.6)
- NA Special amusement buildings (413.4)
- NA HPM facilities (416.4)
- NA Paint spray booths and storage rooms (419.3)
- NA Unlimited area buildings (507.1)
- NA Exit lobbies (1020.3)
- NA Drying rooms (2806.4)
- NA Waste- and linen-chutes/termination rooms (2807.6)
- NA Refuse vaults (2808.4)

FIRE SPRINKLER SYSTEMS

- STATE Fire Marshal's*
- NA NFPA 13 system (906.2.1)
 - NA NFPA 13R system (906.2.2)
 - NA NFPA 13D system (906.2.3)
 - NA Design (906.3)
 - NA Actuation (906.4)
 - NA Sprinkler alarms (906.5)
 - NA Sprinkler riser (906.7)

LIMITED AREA SPRINKLER SYSTEMS

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

OTHER SUPPRESSION SYSTEMS

- NA Water-spray fixed systems (908.0)
- NA Carbon dioxide extinguishing systems (909.0)
- NA Dry-chemical extinguishing systems (910.0)
- NA Foam-extinguishing systems (911.0)
- NA Halogenated extinguishing systems (912.0)
- NA Clean agent fire extinguishing systems (913.0)
- NA Wet-chemical range hood extinguishing systems (914.0)

STANDPIPE SYSTEMS

- ✓ req Building height (915.2.1)
- ✓ Building area (915.2.2)
- NA 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

- OK Fire hydrants (917.1)

FIRE ALARM SYSTEMS

- ✓ Approval (918.3)
- NA 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)
- NA 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 *NOT req.*

- ✓ Approval (919.3)
- NA 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)
- NA 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

- NA 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

- Req, ✓ Fire suppression systems (924.1)
- ✓ Fire alarm systems (924.2)

OCCUPANT NEEDS (Chapters 10, 11, 12)

Check out
OK, \$/

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

CAPACITY OF EGRESS COMPONENTS (1009.0 and Table 1009.2)

Egress width (inch/occupant)

Stairways _____

Doors/ramps/corridors 5'4"

CAPACITY

Location	Stairways	Doors/ramps corridors

NUMBER OF EXITS (1010.0)

Location	Required	Shown
<u>Front</u>		
<u>S.E. Corr.</u>		
<u>N.W. Corr.</u>		

MEANS OF EGRESS (continued)

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

ACCESSIBILITY (Chapter 11) STATE APPROVAL

<u>✓</u>	Required (1103.0)	<u>✓</u>	Accessible entrances (1106.0)
<u>✓</u>	Accessible route (1104.0)	<u>NA</u>	Special use groups (1107.0)
<u>✓</u>	Parking facilities (1105.0)		Features and facilities (1108.0)

INTERIOR ENVIRONMENT (Chapter 12)

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

BUILDING ENVELOPE (Chapters 14, 15)

EXTERIOR WALL COVERINGS (Chapter 14)

<u>✓</u>	Performance requirements (1403.0)	<u>OK</u>	Combustible material restrictions (1406.0)
<u>✓</u>	Wall sidings and veneers (1404.0, 1405.0)		

EIFS sec. 1406.8
1705.1-11.

ROOFS AND ROOF STRUCTURES (Chapter 15)

<u>OK</u>	<u>MA</u>
Performance requirements (1505.0)	Low-slope roof coverings (1507.5)
<u>OK</u>	✓
Fire classification (1506.0)	Flashing (1508.0)
<u>OK</u>	✓
Steep-slope roof coverings (1507.4)	Roof structures (1510.0)

STRUCTURAL SYSTEMS (Chapters 16, 17, 18)

Design done by professional Engineer
 Timothy G. Sholley PE # 5952

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) OK

	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)

SR

	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)

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

MATERIAL PERFORMANCE (Chapter 17)

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

FOUNDATIONS AND RETAINING WALLS (Chapter 18)

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

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

CONCRETE (Chapter 19)

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

MASONRY (Chapter 21)

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

NOV. 11, 2008

Timothy G. Johnson
Engineer, NO. 5952
STEEL (Chapter 22)

- | | | | |
|----------|--|----------|--|
| <u>✓</u> | Structural steel design/construction standard specified (2203.1, 2203.2) | <u>C</u> | Formed steel design/construction standard specified (2206.1) |
| <u>✓</u> | Shop drawing preparation specified (2203.4) | <u>✓</u> | Formed steel member identification (2206.6) |
| <u>✓</u> | Open-web steel joist design/construction standard specified (2205.1) | | |

WOOD (Chapter 23)

- | | | | |
|---------------------------|---|----------|--|
| <u>NA</u> | Installation inspections (2301.2) | <u>✓</u> | Seismic bracing (2305.8) |
| <u>✓</u> | Design/construction standard specified (2303.1) | <u>✓</u> | Foundation anchorage (2305.17) |
| <u>✓</u> | Grade mark specified (2303.1.1) | <u>✓</u> | Wood structural panels (2307.0) |
| HEAVY TIMBER CONSTRUCTION | | <u>✓</u> | Particleboard (2308.0) |
| <u>NA</u> | Minimum dimensions (605.1, 2304.0) | <u>✓</u> | Fiberboard (2309.0) |
| <u>✓</u> | Design/construction standard specified (2304.1) | <u>✓</u> | Fireretardant-treated wood (2310.0) |
| WOOD FRAME CONSTRUCTION | | <u>✓</u> | Decay and termite protection (2311.0) |
| <u>NA</u> | Fastening and construction details (2305.0, Table 2305.2) | <u>✓</u> | Joist hangers (2312.0) |
| <u>✓</u> | Wind bracing design required (2305.7) | <u>✓</u> | Prefabricated components (2313.1, 2313.2) |
| | | <u>✓</u> | Metal-plate-connected trusses (2313.3, 2313.3.2) |

NONSTRUCTURAL MATERIALS (Chapters 24, 25, 26)

GLASS AND GLAZING (Chapter 24)

- | | | | |
|----------|--------------------|----------|---|
| <u>✓</u> | Skylights (2404.0) | <u>✓</u> | Safety glazing (2405.0, 2406.0, 2407.0) |
|----------|--------------------|----------|---|

GYPSUM BOARD AND PLASTER (Chapter 25)

- | | | | |
|----------|---|----------|----------------------------------|
| <u>✓</u> | Gypsum board materials (2503.0, Table 2503.2, Table 2503.3) | <u>✓</u> | Plaster (2504.0, 2505.0, 2506.0) |
|----------|---|----------|----------------------------------|

PLASTIC (Chapter 26)

- | | | | |
|-----------|-------------------------------|----------|--|
| <u>NA</u> | Approved materials (2601.2) | <u>✓</u> | FOAM PLASTIC (2603.0) |
| <u>✓</u> | Identification (2601.4) | <u>✓</u> | Labeling (2603.2) |
| <u>✓</u> | Interior trim (2603.7) | <u>✓</u> | Surface-burning characteristics (2603.3) |
| <u>✓</u> | Alternative approval (2603.8) | <u>✓</u> | Thermal barrier (2603.4) |
| | | <u>✓</u> | Exterior walls (2603.5, 2603.6) |

LIGHT-TRANSMITTING PLASTIC (2603.5, 2604.0)

Diffusing systems (2604.5)
Wall panels (2605.0)

Unprotected openings (2606.0)

Roof panels (2607.0)

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 _____
Fireresistance rating of vertical opening enclosures _____	
Type of HVAC system _____	serving number of floors _____

BUILDING EVALUATION SUMMARY (continued)

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

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