

PERMIT ISSUED

City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 01-0659	Issue Date: JUN 14 2001	CBL: 015 A001001
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Location of Construction: 129 North St	Owner Name: Island View Apartments	Owner Address: 100 Silver St Portland, Me 04101	Phone: 7-780-9800
Business Name: n/a	Contractor Name: Wright Ryan Construction, Inc	Contractor Address: 10 Danforth Street Portland	Phone: 2077733625
Lessee/Buyer's Name n/a	Phone: n/a	Permit Type: Commercial	Zone: R-6

Past Use: Vacant	Proposed Use: Residential/ 70 Unit Housing; 1 Building, 54 units, 2 buildings, 8 units each nrew housing; Total 104,932 sq.ft.	Permit Fee: \$41,124.00	Cost of Work: \$6,850,000.00	CEO District: 1
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Proposed Project Description: Build 70 Units for Housing	FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: Type:
	Signature: <i>[Handwritten Signature]</i>	Signature: <i>[Handwritten Signature]</i>
	PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)	
	Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied	
	Signature:	Date:

Permit Taken By: gg	Date Applied For: 06/08/2001	Zoning Approval	
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<ol style="list-style-type: none"> 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.. 	Special Zone or Reviews <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input checked="" type="checkbox"/> Site Plan #1999-0176 Maj <input checked="" type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> Date: <i>6/13/01</i>	Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input checked="" type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied Date: <i>6/13/01</i>	Historic Preservation <input checked="" type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date: <i>[Signature]</i>
	<i>see foundation permit</i> <i>see foundation permit</i> <i>with conditions</i> <i>M.N. has</i>		

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 provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT ADDRESS DATE PHONE

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE DATE PHONE

BUILDING PERMIT REPORT

DATE: 10 June 2001 ADDRESS: 129 North Street CBL: 015-A-001

REASON FOR PERMIT: R-2 use Group - Type 5A Fully sprinklered 5th D.U.

BUILDING OWNER: Island View Apartments Bldg. "A"

PERMIT APPLICANT: _____ CONTRACTOR Wright-Ryan

USE GROUP: R-2 CONSTRUCTION TYPE: 5A CONSTRUCTION COST: 6,859,000.00 PERMIT FEES: 41,124.00
Total Cost 3 Bldgs. Total Cost of 3 Bldgs.

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, *2, *10, *11, *13, *23
*27, *28, *30, *32, *33, *35, *36, *38, *39, *40, *41, *42, *43, *44 21,22

- *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. The drain shall extend a minimum of 12 inches beyond the outside edge of the footing. The thickness shall be such that the bottom of the drain is not higher than the bottom of the base under the floor, and that the top of the drain is not less than 6 inches above the top of the footing. The top of the drain shall be covered with an approved filter membrane material. Where a drain tile or perforated pipe is used, the invert of the pipe or tile shall not be higher than the floor elevation. The top of joints or top of perforations shall be protected with an approved filter membrane material. The pipe or tile shall be placed on not less than 2" of gravel or crushed stone, and shall be covered with not less than 6" of the same material. Section 1813.5.2
- 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. Section 2305.17
- 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. This is done to verify that the proper setbacks are maintained.
- 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. Private garages attached side-by-side to rooms in the above occupancies shall be completely separated from the interior spaces and the attic area by means of 1/2 inch gypsum board or the equivalent applied to the garage side. (Chapter 4, Section 407.0 of the BOCA/1999)
- 9. 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). Chapter 12 & NFPA 211
- *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. Minimum height all Use Groups 42". In occupancies in Use Group A, B.H-4, I-1, I-2, M, R, 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". Exception: Handrails that form part of a guard shall have a height not less than 36 inches (914 mm) and not more than 42 inches (1067 mm). Handrail grip size shall have a circular cross section with an outside diameter of at least 1 1/4" and not greater than 2". (Sections 1021 & 1022.0). Handrails shall be on both sides of stairway. (Section 1014.7)
- 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. The Minimum required width of a corridor shall be determined by the most restrictive of the criteria under section 1011.3 but not less than 36".
- 16. 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. (Section 1010.4)
- 17. 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. (Section 1010.1)
- 18. 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)
- 19. 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)

- 20. 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
- 21. 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)
- 22. The Fire Alarm System shall be installed and maintained to NFPA #72 Standard.
- 23. The Sprinkler System shall be installed and maintained to NFPA #13 Standard.
- 24. 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)
- 25. 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".
- 26. 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.
- 27. 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).
- 28. 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.
- 29. All requirements must be met before a final Certificate of Occupancy is issued.
- 30. 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). *and professional design.*
- 31. 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)
- 32. Please read and implement the attached Land Use Zoning report requirements. *attached site Development Review sheet*
- 33. 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. *ARE Still in force*
- 34. Bridging shall comply with Section 2305.16.
- 35. Glass and glazing shall meet the requirements of Chapter 24 of the building code. (Safety Glazing Section 2406.0)
- 36. All flashing shall comply with Section 1406.3.10.
- 37. All signage shall be done in accordance with Section 3102.0 signs of the City's Building Code, (The BOCA National Building Code/1999).
- 38. *Special Inspectors shall comply with section 1705.0 Special Inspectors of the City's Bldg Code*
- 39. *Fire Dept. Connection shall comply with section 916.0*
- 40. *Sound Trans. shall comply with sec. 1214.0*
- 41. *Fire blocking/draftstopping shall comply with section 721.0*
- 42. *Penetrations shall comply with section 714.0*
- 43. *Supporting Const. shall comply with section 716.0*
- 44. *Mark Electrical Run Needs (and means egress)*

P. Samuel Hoffses, Building Inspector
 Lt. M. Dougall, PFD
 Marge Schmuckal, Zoning Administrator
 Michael Nugent, Inspection Service Manager

06/12/01

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**

BUILDING PERMIT REPORT

Bldgs "B"

DATE: 10 June 2001 ADDRESS: 129 North Street CBL: 015-A-001

REASON FOR PERMIT: (2) R-3 Use Group - Type 5A Construction 8 D.U. each

BUILDING OWNER: Island View Apartments

PERMIT APPLICANT: CONTRACTOR Wright/Ryan Coost

Sec. 310.5

USE GROUP: A-3 CONSTRUCTION TYPE: 5A CONSTRUCTION COST: 6,850,000 PERMIT FEES: 41,124.00

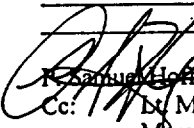
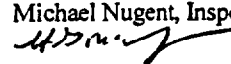
The City's Adopted Building Code (The BOCA National Building Code/1999 with City Amendments) The City's Adopted Mechanical Code (The BOCA National Mechanical Code/1993) Total Cost of 3 Bldgs.

CONDITION(S) OF APPROVAL

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- *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.
*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.
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5. Waterproofing and dampproofing shall be done in accordance with Section 1813.0 of the building code.
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- *30. 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).
- *31. 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)
- 32. Please read and implement the attached Land Use Zoning report requirements.
- *33. 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.
- 34. Bridging shall comply with Section 2305.16.
- *35. Glass and glazing shall meet the requirements of Chapter 24 of the building code. (Safety Glazing Section 2406.0)
- *36. All flashing shall comply with Section 1406.3.10.
- *37. All signage shall be done in accordance with Section 3102.0 signs of the City's Building Code, (The BOCA National Building Code/1999).
- *38. Special Inspections shall comply with Section 1705.0 Special Inspection of the City's Bldg. Code.
- *39. Per builders of fire assemblies shall comply with Section 707.0, 709.0, 711.0, 714.0 through 714.0.6.2


 Samuel Hoffes, Building Inspector
 Cc: By McDougall, PFD
 Marge Schmuckal, Zoning Administrator
 Michael Nugent, Inspection Service Manager


PSH 10/100

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

BOCA®

NATIONAL BUILDING CODE/1999

Valuation: 6,850,000.00

PLAN REVIEW RECORD

Plan Review # _____

Fee: 41,124.00Date: 10 June, 2001JURISDICTION City of Portland Me. Cumberland, Me.

(City, County, Township, etc.)

BUILDING LOCATION 129 North Street

(Street address)

BUILDING DESCRIPTION 54 Dwelling Units 1 Bldg. (R-2) Auto. Sprinkler Sys.REVIEWED BY S. Hoffse

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.	Before the concrete for the foundations is placed, you shall call for a setback inspection.	111.0
3.	Foundation permits on separate permit.	111.0
4.	Special Inspections shall comply with section 1705.0	1705.0
5.	Interior loadbearing walls shall comply with section Table 602.0	Table 602.0
6.	Supporting Const. shall comply with section 716.0	716.0
7.	Floor Construction shall comply with section 713.0	713.0
8.	Roof Construction shall comply with section 713.0	713.0
9.	Penetrations shall comply with section 714.0	714.0
10.	Fire blocking / draft stopping shall comply with section 721.0	721.0
11.	Sound Trans. shall comply with section 1214.0	1214.0



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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
12.	Sprinkler systems shall comply with section 904.10	904.10
	904.10	
13.	Specific occupancy area shall comply with Table 302.11	302.1.1
14.	Fire Dept. Connection shall comply with sec. 916.0	916.0
	916.0	
15.	Smoke detectors shall comply with section 920.3.2	920.3.2
	920.3.2	
16.	Crawl spaces and attic spaces access & ventilation shall comply with sections 1210 - 1211.0	1210.0 1211.0
17.	Flashing shall comply with section 1406.3.10	1406.3.10
18.	Safety glazing shall comply with sections 2405.0 / 2406.0 / 2407.0	2405 2406.0 2407.0
19.	Wood Const. shall comply with ch. 23 and as per the professional Eng. & Arch. requirements.	
20.	MAIN ELECTRICAL ROOM NEEDS 2ND #110 - WARS OR KENNEL (1200 AMP) SERVICE 260 (NEC #999 NFPA-70)	

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

ADMINISTRATION (Chapter 1)

X Complete construction documents (107.5, 107.6, 107.7) X 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)
NA Mixed Use Groups NA 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) 100%
% Reduction for height (Table 506.4) -42%
% Increase for open perimeter (506.2) +15%
% Increase for automatic sprinklers (506.3) +16%
Total percentage factor =33%
Conversion factor 3.30 ~~600~~
(Total percentage factor/100%)

Open perimeter (506.2)	<u>7.5</u>	<u>240'</u>	<u>145</u>	<u>240</u>	<u>West</u>
	North	East	South		
Open perim.	<u>700</u> ft.		Perimeter <u>700</u> ft.		
% Open perimeter =	$\frac{240/700 \times 100}{(\text{Open perim.}/\text{perim.}) \times 100\%}$				
% Tab. area increase = (506.2)	$2 \times 75 = 150$				
	$2 \times (\% \text{ Open perim. } - 25\%)$				

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 19,194 ft.² Actual building height 38'-11" feet 3 stories
Adjusted floor area* 5,816.30 ft.² Allowable building height 40' feet 3 stories

*Adjusted floor area = actual floor area/conversion factor

Permitted types of construction 5A Type of construction assumed for review (602.3) 5A
Sprinkler

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)
_____	NA	_____ 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

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

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

UNLIMITED AREA ONE-STORY BUILDINGS

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

MEZZANINES

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

SPECIAL USE AND OCCUPANCY (Chapter 4)

COVERED MALL BUILDINGS

- NA 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)

- 1 Parking structures (402.15)

HIGH-RISE BUILDINGS

- NA 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)
- NA Open parking structures (406.0)

- ✓ 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)

- φ Exterior walls - *Table 705.2*
- ✓ 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	<u>3φ+</u>	<u>3φ+</u>	<u>3φ+</u>	<u>30+</u>
Loadbearing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> <i>Table 705.1</i>
Nonloadbearing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

- ✓ Exterior opening protectives (705.3, 706.0)

- NA 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)
- NA 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)
- NA Guestroom separations (711.0)

OTHER FIRERESISTANT CONSTRUCTION

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

INTERIOR FINISHES (Chapter 8)

✓ Smoke development (803.3.2)
L Flame spread (803.4)

L Floor finish (805.0, 806.0)

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)
NA Residential (R-1) (904.8)
SR Residential (R-2) (904.9)
NA Windowless story (904.10)
SR Specific occupancy areas (302.1.1, 904.11)
NA Covered mall buildings (402.10)
NA High-rise buildings (403.2)
NA 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

SR 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

NA 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

NA 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

- NA 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

- SR Required (916.1)
- SA Connections (916.2)

YARD HYDRANTS

- ✓ Fire hydrants (917.1)

FIRE ALARM SYSTEMS

- Approval (918.3)
- NA Assembly (A-4), Educational (E) (918.4.1)
- NA Business (B) (918.4.2)
- NA High-hazard (H) (918.4.3)
- NA Institutional (I) (918.4.4)
- NA Residential (R-1) (918.4.5)
- NA Residential (R-2) (918.4.6)
- NA 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

- NA 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

- NA Residential (R-1) (920.3.1)
- Residential (R-2, R-3) (920.3.2)
- NA Institutional (I-1) (920.3.3)
- NA Interconnection (920.4)
- NA Battery backup (920.5)

FIRE EXTINGUISHERS

- NA Approval (921.1)
- NA 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

- NA Size and spacing (923.2)

SUPERVISION

- NA 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
<u>OK</u>					

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)

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

ACCESSIBILITY (Chapter 11)

<input checked="" type="checkbox"/>	Required (1103.0)	<input checked="" type="checkbox"/>	Accessible entrances (1106.0)
<input checked="" type="checkbox"/>	Accessible route (1104.0)	<input checked="" type="checkbox"/>	Special use groups (1107.0)
<input checked="" type="checkbox"/>	Parking facilities (1105.0)	<input checked="" type="checkbox"/>	Features and facilities (1108.0)

INTERIOR ENVIRONMENT (Chapter 12)

<input checked="" type="checkbox"/>	Room dimensions (1204.0)	<input checked="" type="checkbox"/>	Air-borne noise (STC) (1214.2)
<input checked="" type="checkbox"/>	Roof spaces (1210.1, 1211.2)	<input checked="" type="checkbox"/>	Structure-borne sound (IIC) (1214.3)
<input checked="" type="checkbox"/>	Crawl spaces (1210.2, 1211.1)	<input checked="" type="checkbox"/>	Ratproofing (1215.0)

BUILDING ENVELOPE (Chapters 14, 15)

EXTERIOR WALL COVERINGS (Chapter 14)

<input checked="" type="checkbox"/>	Performance requirements (1403.0)	<input checked="" type="checkbox"/>	Combustible material restrictions (1406.0)
<input checked="" type="checkbox"/>	Wall sidings and veneers (1404.0, 1405.0)		

ROOFS AND ROOF STRUCTURES (Chapter 15)

<div style="text-align: center;">✓</div>	<div style="text-align: center;">✓</div>
<div style="text-align: center;">✓</div>	<div style="text-align: center;">SR</div>
<div style="text-align: center;">✓</div>	<div style="text-align: center;">NA</div>

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)

All design by professional eng. Paul B. Becker P.E. 6554.

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
<div style="text-align: center;">✓</div>	<div style="text-align: center;">✓</div>
<div style="text-align: center;"> </div>	<div style="text-align: center;"> </div>
<div style="text-align: center;"> </div>	<div style="text-align: center;"> </div>
<div style="text-align: center;"> </div>	<div style="text-align: center;"> </div>

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)
 Drift snow loads considered (1608.7)
 Sliding snow loads considered (1608.8)

Internal pressure effects considered (1609.7, 1609.8)
 Components and cladding effects considered (1609.8)
 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. _____
 Owner's special inspection program specified (1705.0)
 Prefabricated items (1705.2)
 Steel construction (1705.3)
 Concrete construction (1705.4)

Masonry construction (1705.5)
 Wood construction (1705.6)
 Prepared fill and foundations (1705.7, 1705.8, 1705.9)
 Fireresistive materials (1705.12)
 EIFS, wall panels and veneers (1705.10, 1705.13)

FOUNDATIONS AND RETAINING WALLS (Chapter 18)

Design by Prof. Eng. Paul B. Becker PE 6554

Soil type (1611.0, 1802.1, 1804.1)
 Bearing value (1611.0, 1802.1, 1804.1)
 Soil report (1802.1, 1804.1)
 Prepared fill (1804.1.1)
 Footings (1806.0 - 1811.0)

Foundations (1814.0 - 1824.0)
 Foundation walls (1611.0, 1812.0)
 Waterproofing/dampproofing (1813.0)
 Retaining walls (1611.0, 1825.0)

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 slab requirements (1905.1)

Minimum concrete strength (Table 1907.1.2[1])
 Cold-weather and hot-weather curing specified (1908.9, 1908.10)

MASONRY (Chapter 21)

Engineered masonry design/construction standard specified (2101.1.1)
 Empirical masonry design (2101.1.2)
 Construction materials (2104.0)
 Mortar type (2104.7)

Cold-weather and hot-weather construction specified (2111.3, 2111.4)
 Fireplaces and chimneys (2103.2, 2113.0 - 2117.0)
 Glass block (2118.0)

Design by Prof. Eng. **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)		

Design by Prof. Eng. **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)
		_____	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)

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)

NONSTRUCTURAL MATERIALS (Chapters 24, 25, 26)

GLASS AND GLAZING (Chapter 24)

NA	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)	NA	Plaster (2504.0, 2505.0, 2506.0)
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PLASTIC (Chapter 26)

NA	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)

NA

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)

NA

Waste- and linen-handling systems (2807.0)

NA

Refuse vaults (2808.0)

ELEVATORS AND CONVEYING SYSTEMS (Chapter 30)

NA

Construction standard specified (3001.2)

Elevator emergency operation (3006.2)

Hoistway enclosure (3007.1)

NA

Venting (3007.3 - 3007.6)

Opening protectives (3008.2)

Conveyors and escalators (3010.0, 3011.0)

SPECIAL DEVICES AND CONDITIONS (Chapters 31, 34)

SPECIAL CONSTRUCTION (Chapter 31)

NA

Membrane structures (3103.0)

Flood-resistant construction (3107.0)

Towers (3108.0)

PEDESTRIAN WALKWAYS (3106.0)

NA

Construction and use (3106.1 - 3106.3)

Separation (3106.4)

Local approval (3106.5)

Egress and size (3106.6 - 3106.8)

EXISTING STRUCTURES (Chapter 34)

ADDITIONS, ALTERATIONS OR CHANGE OF OCCUPANCY

NA

General requirements (3402.0)

Structural loads (1614.0, 3402.5)

Accessibility (1110.0, 3402.7)

NA

Additions/alterations (3403.0, 3404.0)

Change of occupancy (1110.3, 3405.0)

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 _____ 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

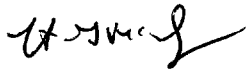
FIRE CODE PERMIT REPORT

DATE: 6/13/01 ADDRESS: 129 North St
 PERMIT TO: Island View Apartments
 OWNER/CONTRACTOR: Wright Ryan
 APPROVED DENIED

CONDITIONS OF APPROVAL/DENIAL

1. The boiler or furnace shall be protected by enclosing with one hour fire rated construction including fire doors and ceiling or by providing automatic extinguishment and smoke protected enclosure. Sprinkler piping serving not more than six sprinklers may be connected to a domestic water supply system having a capacity sufficient to provide a 0.15 gpm, per square foot of floor throughout the entire area. An indicating shut-off valve shall be installed in an accessible location between the sprinkler and the connection to the domestic water supply. Minimum pipe size shall be 3/4 inch copper or 1 inch steel. Maximum coverage area of a residential sprinkler is 144 square feet per sprinkler.
2. All required Fire Alarm Systems shall have the capability of "Zone Disconnect" via switches or key pad program provided the method is approved by the Fire Prevention Bureau.
3. All remote annunciators shall have a visible "trouble" indicator along with the Fire Alarm "Zone" indicators.
4. Any Master Box connected to the Municipal Fire Alarm System shall have a supervised Municipal Disconnect Switch. *874-8485 Ben Diaz*
5. All Master Box locations shall be approved by the Fire Department Director of Communications. A Master Box shall be located so that the center of the box is five feet above finished floor.
6. All Master Box locations are required to have a locked box (knobbox).
7. A fire alarm acceptance report shall be submitted to the Portland Fire Department.
8. All underground tank removal(s) and/or installation(s) shall be done in accordance with the Department of Environmental Regulations (Chapter 691).
9. No cutting of tanks on site. Cutting of tanks is to be done at an approved tank disposal site.
10. Fire Dispatcher must be at least 48 hours in advance of removal and/or transportation of tanks.
11. All above ground L/P storage tanks shall be located in accordance with NFPA 53 Standards.
12. Any tank located near the path of vehicle movement shall be protected with appropriate permanent barricades.

13. All piping shall be protected from possible mechanical damage and vandalism.
14. A 4" storz fire department connection is required.
15. Any new sprinkler construction over six sprinkler heads needs to have State Fire Marshal approval.
16. Any renovations of sprinkler systems over 20 sprinkler heads needs to have State Fire Marshal approval.
17. A sprinkler performance test shall be submitted to the Portland Fire Department after completion of sprinkler work.
18. State Fire Marshal approval is required for this project.



Lt. G. McDougall
Fire Prevention Officer
City of Portland

**Table 602
FIRERESISTANCE RATINGS OF STRUCTURE ELEMENTS^k**

Structure element Note a		Type of construction Section 602.0									
		Noncombustible					Noncombustible/Combustible			Combustible	
		Type 1 Section 603.0		Type 2 Section 603.0			Type 3 Section 604.0		Type 4 Section 605.0	Type 5 Section 606.0	
		Protected	Protected	Protected	Unprotected	Protected	Unprotected	Heavy timber Note c	Protected	Unprotected	
1A	1B	2A	2B	2C	3A	3B	4	5A	5B		
1 Exterior walls	Loadbearing	4	3	2	1	0	2	2	2	1	0
	Nonloadbearing	Not less than the fireresistance rating based on fire separation distance (see Section 705.2)									
2 Fire walls and party walls (Section 707.0)		4	3	2	2	2	2	2	2	2	2
		Not less than the fireresistance rating required by Table 707.1									
3 Fire separation assemblies (Section 709.0)	Fire enclosure of exits (Sections 1014.11, 709.0 and Note b)	2	2	2	2	2	2	2	2	2	2
	Shafts (other than exits) and elevator hoistways (Sections 709.0, 710.0 and Note b)	2	2	2	2	2	2	2	1	1	1
	Mixed use and fire area separations (Section 313.0)	Not less than the fireresistance rating required by Table 313.1.2									
	Other separation assemblies (Note i)	1	1	1	1	1	1	1	1	1	1
		Note d									
4 Fire partitions (Section 711.0)	Exit access corridors (Note g)	Not less than the fireresistance rating required by Section 1011.4									
	Tenant spaces separations (Note f)	1	1	1	1	0	1	0	1	1	0
		Note d									
5 Dwelling unit and guestroom separations (Sections 711.0, 713.0 and Notes f and j)		1	1	1	1	1	1	1	1	1	1
		Note d									
6 Smoke barriers (Section 712.0 and Note g)		1	1	1	1	1	1	1	1	1	1
7 Other nonloadbearing partitions		0	0	0	0	0	0	0	0	0	0
		Note d									
8 Interior loadbearing walls, loadbearing partitions, columns, girders, trusses (other than roof trusses) and framing (Section 716.0)	Supporting more than one floor	4	3	2	1	0	1	0	see Sec. 605.0	1	0
	Supporting one floor only or a roof only	3	2	1½	1	0	1	0	see Sec. 605.0	1	0
9 Structural members supporting wall (Section 716.0 and Note g)		3	2	1½	1	0	1	0	1	1	0
		Not less than fireresistance rating of wall supported									
10 Floor construction including beams (Section 713.0 and Note h)		3	2	1½	1	0	1	0	see Sec. 605.0 Note c	1	0
11 Roof construction, including beams, trusses and framing, arches and roof deck (Section 715.0 and Notes e, m)	15' or less in height to lowest member	2	1½	1	1	0	1	0	see Sec. 605.0 Note c	1	0
	More than 15' but less than 20' in height to lowest member	1	1	1	0	0	0	0	see Sec. 605.0	1	0
	20' or more in height to lowest member	0	0	0	0	0	0	0	see Sec. 605.0	0	0
		Note d									

Note a. For fireresistance rating requirements for structural members and assemblies which support other fireresistance rated members or assemblies, see Section 716.1.

Note b. For reductions in the required fireresistance rating of exit and shaft enclosures, see Sections 1014.11 and 710.3.

Note c. For substitution of other structural materials for timber in Type 4 construction, see Section 2304.2.

Note d. For fireretardant-treated wood permitted in roof construction and nonloadbearing walls where the required fireresistance rating is 1 hour or less, see Sections 603.2 and 2310.0.

Note e. For permitted uses of heavy timber in roof construction in buildings of Types 1 and 2 construction, see Section 715.4.

Note f. For reductions in required fireresistance ratings of tenant separations and dwelling unit separations, see Sections 1011.4 and 1011.4.1.

Note g. For exceptions to the required fireresistance rating of construction supporting exit access corridor walls, tenant separation walls in covered mall buildings, and smoke barriers, see Sections 711.4 and 712.2.

Note h. For buildings having habitable or occupiable stories or basements below grade, see Section 1006.3.1.

Note i. Not less than the rating required by this code.

Note j. For Use Group R-3, see Section 310.5.

Note k. Fireresistance ratings are expressed in hours.

Note l. In buildings which are required to comply with the provisions of Section 403.3, the required fireresistance rating for floor construction, including beams, shall be 2 hours (see Section 403.3.3.1).

Note m. 1 foot = 304.8 mm.

CITY OF PORTLAND, ME
BOCA 1999 Plan Review Record
One and Two Family Dwelling

Valuation: \$6,850,000 ^{Total For} All of Project Plan Review # _____
R-2 & A-3

Fee: \$41,124.00 Date: 10 June 2001

Building Location: 129 North Street CBL: 015-A-001

Building Description: 2 Building & Dwelling each Bldgs. "B"

Reviewed By: S. Hoffse

Use or Occupancy: R-3 Sec. 310.5 Type of Construction: 5A
 *NR: Not Required NA: Not Applicable SR: See Report X: OK per plan

Correction List		
NO:	Description	Code Section
1.	Foundation on separate permit	Ch. 18.
2.	All Site plan and building code requirements shall be completed before a Certificate of occupancy can or will be issued	111.0 118.0
3.	Special Inspections shall be done to comply with section 1705.0	1705.0
4.	Sound proofing shall comply with section 1214.0	1214.0
5.	Water proofing and damp proofing shall comply with section 1813.0	1813.0
6.	Fastering of bldg. elements shall comply with Table 2305.2 or as per professional engineers details	Table 2305.2 114.0
7.	Prefabrication Components shall comply with section 2313.0 and professional engineer design. (Special Inspection 1705.0)	2313.0 114.0 1705.0
8.	Chimney & vents shall comply with NFPA 211	NFPA 211
9.	Private garages shall comply with section 407.0	407.0
10.	Safety glazing shall comply with section 2406	2406.0
11.	Sleeping room egress or rescue windows shall comply with section 1010.4	

REV: FSH 4-7-00

Foundations (Chapter 18)

Wood Foundation (1808)

NA Design
NA Installation

Footings (1807.0)

- Depth below (outside) grade 4' minimum;
but below frost line except for insulated footings.
- Insulated footing provided
- Soil bearing value (table 1804.3)
- Footing width
- Concrete footing (1810.0) 3.1, 3.2

Design by professional eng. Paul B. Becker PE #6554

Foundation Walls *Design by professional eng.* *Paul B. Becker PE #6554*

- Design (1812.1)
- Minimum thickness Tables 1812.3.2.(1) & 1812.3.2 (2)
- SA Water proofing and damp proofing Section 1813
- Sill plate (2305.17)
- Anchorage bolting in concrete (2305.17)
- Columns (1912)
- NA Crawl space (1210.2) Ventilation
- Crawl opening size (1210.2.1)
- Access to crawl and attic space (1211.0)

Floors (Chapter 16-23) *Design by professional eng.* *Paul B. Becker P.E. #6554*

- Joists - Non sleeping area LL40PSF (Table - 1606)
- Joists - Sleeping area LL30PSF (Table - 1606)
- Grade
- Spacing
- Span
- Girder 4" bearing 2305.6.1

Floors (contd.)

- 4 Bearing (1 1/2" minimum on wood or steel 3" on masonry) and lapped (3") 2305.2
- Bridging (2305.16)
- NA Boring and notching (2305.5.1)
- NA Cutting and notching (2305.3)
- X Fastening table (2305.2)
- X Floor trusses (AFPANDS Chapter 35)
- X Draft stopping (721.7)
- X Framing of openings (2305.11) (2305.12)
- X Flooring - (2304.4) 1" solid - 1/2" particle board
- X Concrete floors (1905) 3 1/2" 6 mil polyethylene vapor retarder
-
-
-
-
-

Wall Construction (Chapter 2300) Design by professional

- X Design (1609) wind loads
- X Load requirements
- X Grade
- SR Fastening schedule (Table 2305.2)
- 4 Wall framing (2305.4.1)
- X Double top plate (2305.4.2)
- X Bottom plates: (2305.4.3)
- SR Notching and boring: (2305.4.4) studs
- X Non load bearing walls (2305.5)
- SR Notching and boring (2305.5.1)
- X Wind bracing (2305.7)
- X Wall bracing required (2305.8.1)
- X Stud walls (2305.8.3)
- X Sheathing installation (2305.8.4)
- X Minimum thickness of wall sheathing (Table 2305.13)
- NR Metal construction
- NR Masonry construction (Chapter 21)
- X Exterior wall covering (Chapter 14)
- X Performance requirements (1403)
- X Materials (1404)
- NR Veneers (1405)
- X Interior finishes (Chapter 8)

Eng. Paul B. Becker PE
#6554.

Roof-Ceiling Construction (Chapter 23) Design by professional

Eng. Paul B. Becker PE
#6554

- X Roof rafters - Design (2305.15) spans
- A Roof decking and sheathing (2305.15.1) 5/8" boards and (2307.3) (Table 2307.3.1(2))
- SR Roof trusses (2313.3.1)
- _____
- _____
- _____
- _____
- _____

Roof Coverings (Chapter 15)

- _____ ~~Approved materials (1505.1)~~
- _____ Performance requirement (1505)
- _____ Fire classification (1506)
- _____ Material and installation requirements (1507)
- _____ Roof structures (1510.0)
- _____ Type of covering (1507)

**Chimneys and Fireplaces
BOCA Mechanical/1993**

- NA Masonry (1206.0)
- BA Factory - built (1205.0)
- NA Masonry fireplaces (1404)
- NA Factory - built fireplace (1403)
- SR NFPA 211

**Mechanical
1993 BOCA Mechanical Code**

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

Load Design Criteria

*Design by professional ENG.
 Paul B. Becker PE, #6554*

Floor live load sleeping	<u>30 PSF</u>	<u>α</u>
Floor live load non sleeping	<u>40 PSF</u>	<u>X</u>
Roof live load	<u>42 PSF</u>	<u>X</u>
Roof snow load	<u>40 PSF</u>	<u>X</u>
Seismic Zone	<u>2</u>	<u>X</u>
Weathering area	<u>S</u>	<u>X</u>
Frost line depth	<u>4' MIN</u>	<u>X</u>

Glazing (Chapter 24)

- 53 Labeling (2402.1)
- Louvered window or jalousies (2402.5)
- Human impact loads (2405.0)
- Specific hazardous locations (2405.2)
- Sloped glazing and skylights (2404)

Private Garages (Chapter 4)

- 53 General (407)
- Beneath rooms (407.3)
- Attached to rooms (407.4)
- Door sills (407.5)
- Means of egress (407.8)
- Floor surface (407.9)

Egress (Chapter 10)

- One exit from dwelling unit (1010.2)
- Sleeping room window (1010.4)
- EXIT DOOR (1017.3) 32" W 80" H
- Landings (1014.3.2) stairway
- Ramp slope (1016.0)
- Stairways (1014.3) 36" W
- Treads (1014.6) 10" min.
- Riser (1014.6) 7 3/4" max.
- Solid riser (1014.6.1)
- Winders (1014.6.3)
- Spiral and Circular (1014.6.4)
- Handrails (1022.2.2.) Ht.
- Handrail grip size (1022.2.4) 1 1/4" to 2"
- Guards (1012.0) 36" min.
-
-
-

Smoke Detectors (920.3.2)

- Location and interconnection
- Power source

Dwelling Unit Separation

Table 602

Sec. 310.5

Electrical

NFPA # *70*

**Table 602
FIRERESISTANCE RATINGS OF STRUCTURE ELEMENTS^k**

Structure element Note a		Type of construction Section 602.0									
		Noncombustible					Noncombustible/Combustible			Combustible	
		Type 1 Section 603.0		Type 2 Section 603.0			Type 3 Section 604.0		Type 4 Section 605.0	Type 5 Section 606.0	
		Protected	Protected	Protected	Unprotected	Protected	Unprotected	Heavy timber Note c	Protected	Unprotected	
1A	1B	2A	2B	2C	3A	3B	4	5A	5B		
1 Exterior walls	Loadbearing	4	3	2	1	0	2	2	2	1	0
	Nonloadbearing	Not less than the fire resistance rating based on fire separation distance (see Section 707.1)									
2 Fire walls and party walls (Section 707.0)		4	3	2	2	2	2	2	2	2	2
		Not less than the fire resistance rating required by Table 707.1									
3 Fire separation assemblies (Section 709.0)	Fire enclosure of exits (Sections 1014.11, 709.0 and Note b)	2	2	2	2	2	2	2	2	2	2
	Shafts (other than exits) and elevator hoistways (Sections 709.0, 710.0 and Note b)	2	2	2	2	2	2	2	2	1	1
	Mixed use and fire area separations (Section 313.0)	Not less than the fire resistance rating required by Table 313.1.2									
	Other separation assemblies (Note i)	1	1	1	1	1	1	1	1	1	1
4 Fire partitions (Section 711.0)	Exit access corridors (Note g)	Not less than the fire resistance rating required by Section 1011.4									
	Tenant spaces separations (Note f)	1	1	1	1	0	1	0	1	1	0
5 Dwelling unit and guestroom separations (Sections 711.0, 713.0 and Notes f and j)		1	1	1	1	1	1	1	1	1	1
6 Smoke barriers (Section 712.0 and Note g)		1	1	1	1	1	1	1	1	1	1
7 Other nonloadbearing partitions		0	0	0	0	0	0	0	0	0	0
8 Interior loadbearing walls, loadbearing partitions, columns, girders, trusses (other than roof trusses) and framing (Section 716.0)	Supporting more than one floor	4	3	2	1	0	1	0	see Sec. 605.0	1	0
	Supporting one floor only or a roof only	3	2	1½	1	0	1	0	see Sec. 605.0	1	0
9 Structural members supporting wall (Section 716.0 and Note g)		3	2	1½	1	0	1	0	1	1	0
		Not less than fire resistance rating of wall supported									
10 Floor construction including beams (Section 713.0 and Note h)		3	2	1½ Note i	1	0	1	0	see Sec. 605.0 Note c	1	0
11 Roof construction, including beams, trusses and framing, arches and roof deck (Section 715.0 and Notes e, m)	15' or less in height to lowest member	2	1½	1	1	0	1	0	see Sec. 605.0 Note c	1	0
	More than 15' but less than 20' in height to lowest member	1	1	1	0	0	0	0	see Sec. 605.0	1	0
	20' or more in height to lowest member	0	0	0	0	0	0	0	see Sec. 605.0	0	0

Note a. For fire resistance rating requirements for structural members and assemblies which support other fire resistance rated members or assemblies, see Section 716.1.

Note b. For reductions in the required fire resistance rating of exit and shaft enclosures, see Sections 1014.11 and 710.3.

Note c. For substitution of other structural materials for timber in Type 4 construction, see Section 2304.2.

Note d. For fire-retardant-treated wood permitted in roof construction and nonloadbearing walls where the required fire resistance rating is 1 hour or less, see Sections 603.2 and 2310.0.

Note e. For permitted uses of heavy timber in roof construction in buildings of Types 1 and 2 construction, see Section 715.4.

Note f. For reductions in required fire resistance ratings of tenant separations and dwelling unit separations, see Sections 1011.4 and 1011.4.1.

Note g. For exceptions to the required fire resistance rating of construction supporting exit access corridor walls, tenant separation walls in covered mall buildings, and smoke barriers, see Sections 711.4 and 712.2.

Note h. For buildings having habitable or occupiable stories or basements below grade, see Section 1006.3.1.

Note i. Not less than the rating required by this code.

Note j. For Use Group R-3, see Section 310.5.

Note k. Fire resistance ratings are expressed in hours.

Note l. In buildings which are required to comply with the provisions of Section 403.3, the required fire resistance rating for floor construction, including beams, shall be 2 hours (see Section 403.3.3.1).

Note m. 1 foot = 304.8 mm.

**CITY OF PORTLAND, MAINE
DEVELOPMENT REVIEW APPLICATION
PLANNING DEPARTMENT PROCESSING FORM
Insp Copy**

1999-0176
Application I. D. Number
12/30/1999
Application Date
70 Unit Multi-Family
Project Name/Description

Silver Street Development Corp
Applicant
100 Silver Street, Portland, ME 04101
Applicant's Mailing Address
John D. Mitchell, Mitchell & A
Consultant/Agent
Agent Ph: 774-4427 Agent Fax: 874-2460
Applicant or Agent Daytime Telephone, Fax

129 - 129 North St, Portland Maine 04101
Address of Proposed Site
015 A001 & 015 A 003
Assessor's Reference: Chart-Block-Lot

Proposed Development (check all that apply):
 New Building Building Addition Change Of Use Residential Office Retail
 Manufacturing Warehouse/Distribution Parking Lot Other (specify) 72 Unit building
95,923 sf 4.7 ac R-6
Proposed Building square Feet or # of Units Acreage of Site Zoning

Check Review Required:

- | | | | |
|---|--|--|--|
| <input checked="" type="checkbox"/> Site Plan (major/minor) | <input type="checkbox"/> Subdivision # of lots _____ | <input type="checkbox"/> PAD Review | <input type="checkbox"/> 14-403 Streets Review |
| <input type="checkbox"/> Flood Hazard | <input type="checkbox"/> Shoreland | <input type="checkbox"/> Historic Preservation | <input type="checkbox"/> DEP Local Certification |
| <input type="checkbox"/> Zoning Conditional Use (ZBA/PB) | <input type="checkbox"/> Zoning Variance | | <input type="checkbox"/> Other _____ |

Fees Paid: Site Plan \$500.00 Subdivision \$1,800.00 Engineer Review _____ Date: 12/30/1999

Insp Approval Status:

Reviewer Marge Schmuckal

- | | | |
|--|--|--|
| <input type="checkbox"/> Approved | <input checked="" type="checkbox"/> Approved w/Conditions See Attached | <input type="checkbox"/> Denied |
| Approval Date <u>02/06/2001</u> | Approval Expiration <u>02/06/2002</u> | Extension to _____ |
| <input checked="" type="checkbox"/> Condition Compliance | <u>Marge Schmuckal</u>
signature | <u>02/06/2001</u>
date |
| | | <input checked="" type="checkbox"/> Additional Sheets Attached |

Performance Guarantee Required* Not Required

* No building permit may be issued until a performance guarantee has been submitted as indicated below

<input checked="" type="checkbox"/> Performance Guarantee Accepted	<u>02/14/2001</u> date	<u>\$504,174.00</u> amount	_____ expiration date
<input checked="" type="checkbox"/> Inspection Fee Paid	<u>02/09/2001</u> date	<u>\$10,083.66</u> amount	
<input type="checkbox"/> Building Permit Issued	_____ date		
<input type="checkbox"/> Performance Guarantee Reduced	_____ date	_____ remaining balance	_____ signature
<input type="checkbox"/> Temporary Certificate of Occupancy	_____ date	<input type="checkbox"/> Conditions (See Attached)	_____ expiration date
<input type="checkbox"/> Final Inspection	_____ date	_____ signature	
<input type="checkbox"/> Certificate Of Occupancy	_____ date		
<input type="checkbox"/> Performance Guarantee Released	_____ date	_____ signature	
<input type="checkbox"/> Defect Guarantee Submitted	_____ submitted date	_____ amount	_____ expiration date

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

1999-0176

Application I. D. Number

12/30/1999

Application Date

70 Unit Multi-Family

Project Name/Description

Silver Street Development Corp

Applicant

100 Silver Street, Portland, ME 04101

Applicant's Mailing Address

John D. Mitchell, Mitchell & A

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Agent Ph: 774-4427

Agent Fax: 874-2460

Applicant or Agent Daytime Telephone, Fax

129 - 129 North St, Portland Maine 04101

Address of Proposed Site

015 A001 & 015 A 003

Assessor's Reference: Chart-Block-Lot

Approval Conditions of Planning

- 1 That prior to the issuance of the certificate of occupancy, the applicant provide \$20,000 in escrow to be used for off-site traffic improvements, should, in the sole discretion of the City Traffic Engineer, a demonstrable need arise.

Approval Conditions of Insp

- 1 This first permit is for the foundation only per the developer's request.
- 2 This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.
- 3 Your conditional use appeal for off-site parking was approved by the Zoning Board of Appeal on September 7, 2000 with the condition that the lens cap under the parking area be required as suggested by the appellant.
- 4 Prior to your first, or temporary certificate of occupancy, the applicant shall put \$20,000 in escrow for a period of three years to be used for traffic signalization improvements at the Washington Avenue and Walnut Street intersection should, in the sole discretion of the City traffic engineer (presently Larry Ash), future traffic demands indicate a demonstrable need.

Approval Conditions of Fire

- 1 Applicant must show hydrant within 800' path of travel.