

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

Location of Construction: 41 Delaware Ct. Building "D" Washington Crossing		Owner: ALC Development		Phone: 883-1992		Permit No:  20146
Owner Address: 258 Black Point Rd. Scarborough, Me. 04074		Lessee/Buyer's Name:		Phone:		
Contractor Name: Chamberlain Construction, Inc.		Address: 258 Black Point Rd. Scarborough, Me. 04074		Phone: # 883-1992		Permit Issued:  FEB 27 01
Past Use:  Vacant		Proposed Use: Single Multi-Family (4 unit condo) Sec. 310.5 / BOCB/99		<b>COST OF WORK:</b> \$ 400,000. <b>PERMIT FEE:</b> \$ 2424. <b>FIRE DEPT.</b> <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied <b>INSPECTION</b> Sec. 310.5 Use Group R-3 Type 5B BOCB 99 (Sec. 310.5) <b>Signature:</b> <i>[Signature]</i> <b>Signature:</b> <i>[Signature]</i>		
Proposed Project Description:  62 Unit Condo project		<b>PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)</b> Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved with Conditions <input type="checkbox"/> Denied <b>Signature:</b> <i>[Signature]</i> <b>Date:</b>		<b>Zone:</b> CBL: 343-C-014 <b>R-3 PRUD</b> <b>Zoning Approval:</b> OK with conditions 2/26/01 <b>Special Zone or Reviews:</b> <input type="checkbox"/> Shoreland N/A <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone parcel 2:7 - both zone X <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan maj <input type="checkbox"/> minor <input type="checkbox"/> mm <input type="checkbox"/> originally under 999016 <b>Zoning Appeal</b> <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied		
Permit Taken By: CHRIS		Date Applied For: February 20, 2001		CIH		

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..

## CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provisions of the code(s) applicable to such permit

SIGNATURE OF APPLICANT \_\_\_\_\_ ADDRESS: \_\_\_\_\_ DATE: February 20, 2001 PHONE: \_\_\_\_\_

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE \_\_\_\_\_ PHONE: \_\_\_\_\_

PERMIT ISSUED  
WITH REQUIREMENTS

PERMIT ISSUED  
WITH REQUIREMENTS  
CEC DISTRICT

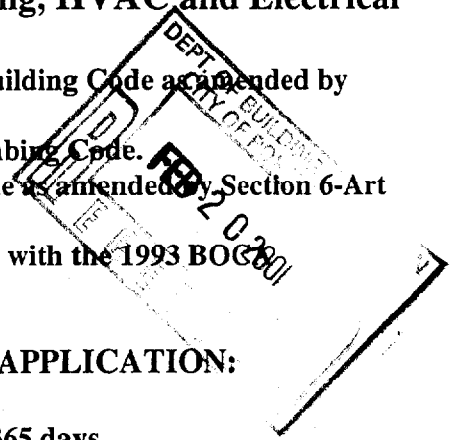
## Minor/Minor Site Review for New Detached Single Family Dwelling, All Purpose Building Permit Application

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

Contractor's Name, Address & Telephone 883-1992 04674  
*Chamberlain Construction, Inc. 258 Block Pt Rd Scarborough* Rec'd By: 2/20

- All construction must be conducted in compliance with the 1999 B.O.C.A. Building Code as amended by Section 6-Art II.
- All plumbing must be conducted in compliance with the State of Maine Plumbing Code.
- All Electrical Installation must comply with the 1999 National Electrical Code as amended by Section 6-Art III.
- HVAC (Heating, Ventilation and Air Conditioning) installation must comply with the 1993 BOCBA Mechanical Code.

- A Copy of Your Deed or Purchase and Sale Agreement if purchased in the last 365 days
- A Plot Plan (Sample Attached) ON PAPER NO LARGER THAN 11" x 17" if you are doing anything other than interior rehab work.



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

**A PLOT PLAN INCLUDES THE FOLLOWING:**

- The shape and dimension of the lot, all existing buildings (if any), the proposed structure and the distance from the actual property lines. Structures include decks porches, a bow windows cantilever sections and roof overhangs, as well as, sheds, pools, garages and any other accessory structures.
- Scale and North arrow; Zoning District & Setbacks
- First Floor sill elevation ( based on mean sea level datum);
- Location and dimensions of parking areas and driveways;
- Location and size of both existing utilities in the street and the proposed utilities serving the building;
- Location of areas on the site that will be used to dispose of surface water.
- Existing and proposed grade contours

***A "minor/minor" site plan review is required for New Single Family Homes Only. The Site plan must be prepared and sealed by a registered land surveyor. FOUR COMPLETE PACKETS OF ALL SUBMISSIONS ARE REQUIRED FOR NEW SINGLE FAMILY HOMES SHOWING CONSTRUCTION AND SITE DETAILS ON 32" x 48". ALONG WITH ONE SET ON PAPER NO LARGER THAN 11" X 17".***

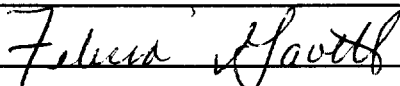
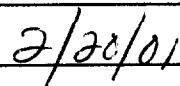
**ON ALL OTHER BUILDING PERMIT SUBMISSIONS ONE SET OF SUBMISSIONS IS REQUIRED ON 11' X 17" AND ONE SETS ON 32" X 48" with the below stated details. (Sample Attached) Please note that single family additions and alterations may be hand drawn on regular paper, however the below details will still apply.**

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

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

**Certification**

*I hereby certify that I am the Owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.*

<b>Signature of applicant:</b> 	<b>Date:</b> 
--	--

Minor/Minor Site Review Fee: \$300.00/Building Permit Fee: \$30.00 for the 1st \$1000.cost plus \$6.00 per \$1,000.00 construction cost thereafter.

**ONE SET OF SUBMISSIONS INCLUDING CONSTRUCTION AND SITE  
PLAN DRAWINGS MUST BE SUBMITTED ON PAPER NO LARGER  
THAN 11" x 17" BEFORE ANY BUILDING PERMIT WILL BE ISSUED**

# BUILDING PERMIT REPORT

DATE: 24 February 2001 ADDRESS: 41 Delaware CT. CBL: 343-C-014  
REASON FOR PERMIT: To Construct 1 Bldg. 4 Condo units (Bldg. D) Sec. 310.5  
BUILDING OWNER: ALC Development  
PERMIT APPLICANT: \_\_\_\_\_ CONTRACTOR Chamberlain Const. Inc.  
USE GROUP: R-3 CONSTRUCTION TYPE: 5B CONSTRUCTION COST: \$400,000 PERMIT FEES: \$2424.00

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)

## CONDITION(S) OF APPROVAL

This permit is being issued with the understanding that the following conditions shall be met: \*1, \*2, \*3, \*4, \*5, \*6, \*8, \*9, \*10, \*11, \*13, \*14, \*15, \*19, \*20, \*26, \*27, \*28, \*29, \*30, \*31, \*32, \*33, \*34, \*35, \*37

- \*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. 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)
16. 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)
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. ~~NFPA #13D~~

\*22. The Sprinkler System shall be installed and maintained to NFPA #13 Standard. ~~NFPA #13D~~

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. *original requirements on this project are still in effect and shall be met.*

\*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. All penetrations through wall assemblies required to be fire resistance rated shall comply with Sections 702.0, 709.0, 711.0, 714.1.1 through 714.1.6.2.

  
P. Samuel Hennes, Building Inspector

Cc: L. McDougall, PFD

Marge Schmuckal, Zoning Administrator

Michael Nugent, Inspection Service Manager

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**

Applicant: ALC Development Date: 2/26/01

Address: 41, 43, 45, 47 Delaware St. C-B-L: 343-C-14

Washington Crossing Building "D"  
CHECK-LIST AGAINST ZONING ORDINANCE

Date - New

Zone Location - R-3PRUD

Interior or corner lot - Construct Building "D" - 1 bldg - 4 units

Proposed Use/Work -

Sewage Disposal - City

Lot Street Frontage - (1) Minimum Distance between detached PRU Units

Front Yard -

16' required min - over 16' shown

Rear Yard -

(2) min. Distance of bldg set back from external property lines: (4 units 3 Attached)

Side Yard -

lines: 35' required min. - well over 35' shown

Projections -

Width of Lot - (3) recreation open spaces shall be 25' from any street

Height -

Lot Area -

Lot Coverage/ Impervious Surface -

Area per Family -

See original Zoning Sheet for  
All other Reg.

Off-street Parking -

Loading Bays -

Site Plan -

Shoreland Zoning/ Stream Protection - N/A

Flood Plains - panels 2 & 7 - both in zone X

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

Valuation: ~~\$400,000.00~~ Plan Review # 2001

Fee: \$2424.00 Date: 24 February 2001

Building Location: 41 Delaware Court (Bldg. D) CBL: 343-C-014

Building Description: MULTI Single Family Condo Sec. 310.5/BOCA/99

Reviewed By: S. Noffses

Use or Occupancy: R-3 Sec. 310.5 Type of Construction: 513

\*NR: Not Required NA: Not Applicable SR: See Report X: OK per plan

Correction List		
NO:	Description	Code Section
1.	All Site plans and building code requirements shall be completed before a Certificate of occupancy can or will be issued.	111.0 118.0
2.	This permit was review as a multi single family, under section 310.5 BOCA/99	310.5
3.	Foundation drainage shall comply with section 1813.0	1813.0
4.	Foundation anchors shall shall comply with section 2305.17	2305.17
5.	Ventilation and access to Attic and Crawl space shall comply with sections 1210.0/1211.0	1210.0 1211.0
6.	Private garages shall comply with section 407.0	407.0
7.	Sound Transmission Control shall comply with section 1214.0	1214.0
8.	Chimneys and vents shall comply with NFPA 211 Ch. 4 Chimney Ch. 12 Fireplaces/BOCA/mch. 91	NFPA 211
9.	Bridging shall comply with section 2305.16	2305.16
10.	Boring, cutting and Notching shall comply with sections 2305.3 2305.3.1 2305.4.4, 2305.5.1	see sec. 2305.3
11.	Flashing shall comply with section 1406.3.10	1406.3.10
12.	STAIR Construction shall comply with sec. 1014.0	1014.0
13.	Handrails shall comply with section 1021.0	1021.0

REV: PSH 4-7-00





## Foundations (Chapter 18)

### Wood Foundation (1808)

NA Design  
NA Installation

### Footings (1807.0)

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

### Foundation Walls

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

### Floors (Chapter 16-23)

X Joists - Non sleeping area LL40PSF (Table - 1606)  
X Joists - Sleeping area LL30PSF (Table - 1606)  
X Grade  
X Spacing  
X Span  
X Girder 4" bearing 2305

### Floors (contd.)

- ~~X~~ Bearing (1 1/2" minimum on wood or steel 3" on masonry) and lapped (3")
- ~~SA~~ Bridging (2305.16)
- ~~SL~~ Boring and notching (2305.5.1)
- ~~SA~~ Cutting and notching (2305.3)
- ~~SA~~ Fastening table (2305.2)
- ~~NA~~ 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
- ~~SA~~ Concrete floors (1905) 3 1/2" 6 mil polyethylene vapor retarder
- ~~\_\_\_\_\_~~
- ~~\_\_\_\_\_~~
- ~~\_\_\_\_\_~~
- ~~\_\_\_\_\_~~
- ~~\_\_\_\_\_~~
- ~~\_\_\_\_\_~~

### Wall Construction (Chapter 2300)

- ~~X~~ Design (1609) wind loads
- ~~X~~ Load requirements
- ~~X~~ Grade
- ~~SA~~ Fastening schedule (Table 2305.2)
- ~~X~~ Wall framing (2305.4.1)
- ~~X~~ Double top plate (2305.4.2)
- ~~X~~ Bottom plates: (2305.4.3)
- ~~SA~~ Notching and boring: (2305.4.4) studs
- ~~X~~ Non load bearing walls (2305.5)
- ~~SA~~ 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)
- ~~NA~~ Metal construction
- ~~SA~~ Masonry construction (Chapter 21)
- ~~X~~ Exterior wall covering (Chapter 14)
- ~~X~~ Performance requirements (1403)
- ~~X~~ Materials (1404)
- ~~NA~~ Veneers (1405)
- ~~X~~ Interior finishes (Chapter 8)

### Roof-Ceiling Construction (Chapter 23)

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

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### Roof Coverings (Chapter 15)

- ☒ Approved materials (1404.1)
- ☒ 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

- ☒ Masonry (1206.0)
- ☒ Factory - built (1205.0)
- ☒ Masonry fireplaces (1404)
- ☒ Factory - built fireplace (1403)
- ☒ NFPA 211

### Mechanical 1993 BOCA Mechanical Code

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### Load Design Criteria

Floor live load sleeping	<u>30 PSF</u>	<u>X</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>46 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)

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

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### Private Garages (Chapter 4)

- 51 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)

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

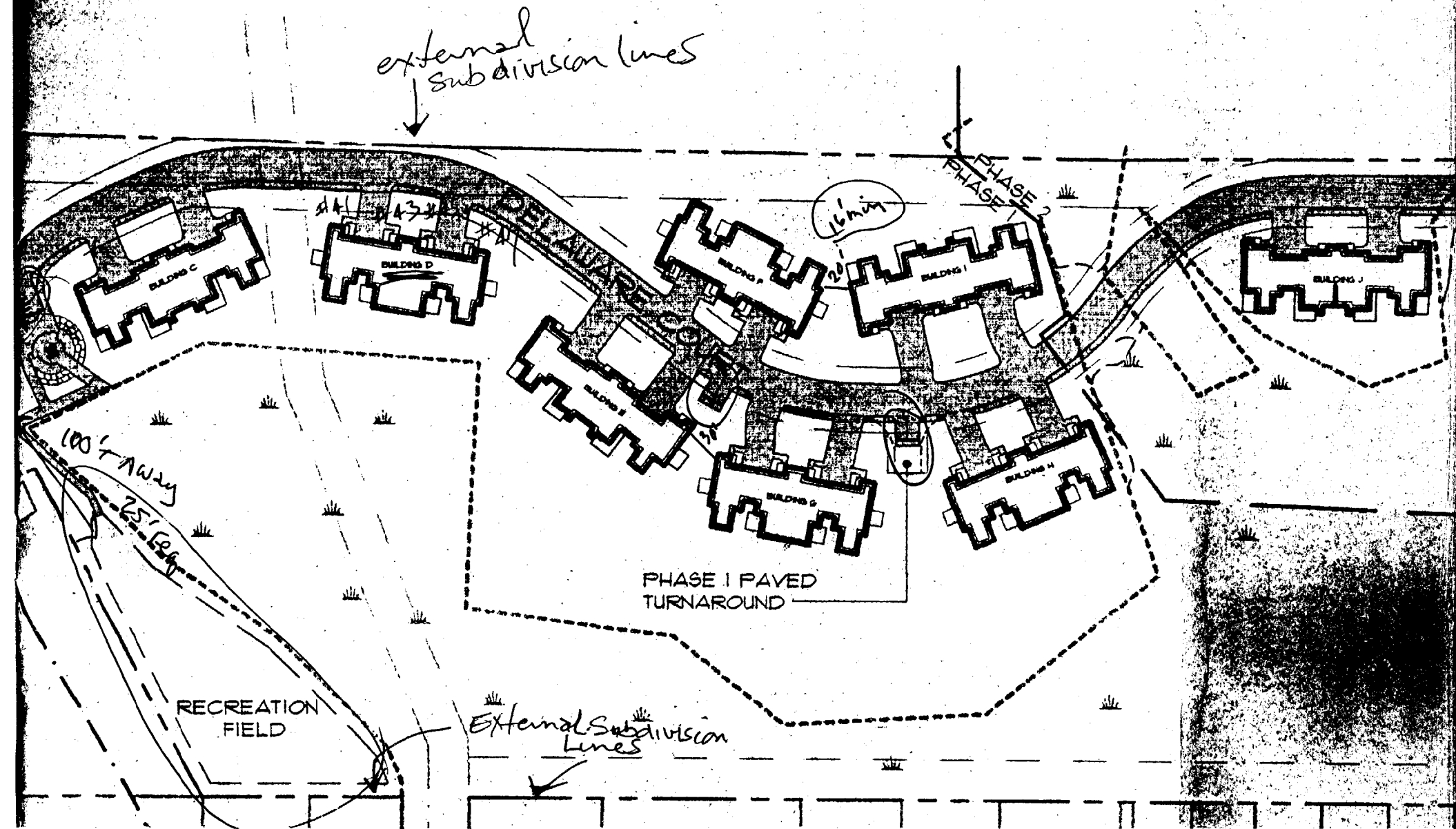
## Smoke Detectors (920.3.2)

- ~~SA~~ Location and interconnection
- ~~SA~~ Power source

## Dwelling Unit Separation Table 602

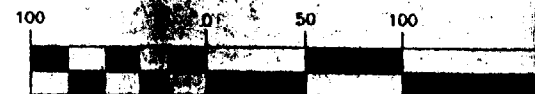
Section 310.5.

# RESIDENTIAL UNIT DEVELOPMENT ALLEN AVENUE PORTLAND, MAINE



PENNELL

GRAPHIC



( IN FEET )  
1 inch = 10

## INDEX

---

COVER SHEET

PROPOSED MASTER PLAN

PROPOSED SITE PLAN: DELAWARE COURT (STA. -0+11.19 TO STA. 12+08.81)

PROPOSED SITE PLAN: DELAWARE COURT (STA. 12+08.80 TO STA. 22+88.45)

CROSS SECTION AND PROFILE: DELAWARE COURT (STA. -0+11.19 TO STA. 12+08.81)

CROSS SECTION AND PROFILE: DELAWARE COURT (STA. 12+08.80 TO STA. 22+88.45)

LANDSCAPE AND LIGHTING PLAN 1

LANDSCAPE AND LIGHTING PLAN 2

PLS 1