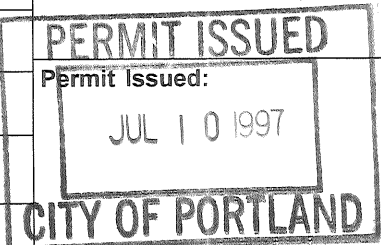


**City of Portland, Maine – Building or Use Permit Application** 389 Congress Street, 04101, Tel: (207) 874-8703, FAX: 874-8716

Location of Construction: 59 Oakdale St		Owner: Mark Cooke		Phone:		Permit No. <b>970725</b>	
Owner Address: SAA Pctld, ME 04103		Lessee/Buyer's Name:		Phone: 871-8944		BusinessName:	
Contractor Name: Nanco		Address:		Phone:			
Past Use: 2-1am		Proposed Use: Same		COST OF WORK: \$ 4,599.00		PERMIT FEE: \$ 45.00	
				FIRE DEPT. <input type="checkbox"/> Approved <input type="checkbox"/> Denied		INSPECTION: Use Group: Type:	
				Signature:		Signature:	
Proposed Project Description: Install A/G Pool (15 x 30)				PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.) Action: Approved <input type="checkbox"/> Approved with Conditions: <input type="checkbox"/> Denied <input type="checkbox"/> Signature: Date:			
Permit Taken By: Mary Gresik		Date Applied For: 02 July 1997					



Zone: **25** CBL: **116-B-024**

Zoning Approval: *Shoreland*

**Special Zone or Reviews:**

Shoreland *which is a*

Wetland *1/4*

Flood Zone *2/10/97*

Subdivision

Site Plan *maj*  minor  mm

**Zoning Appeal**

Variance

Miscellaneous

Conditional Use

Interpretation

Approved

Denied

**Historic Preservation**

Not in District or Landmark

Does Not Require Review

Requires Review

**Action:**

Approved

Approved with Conditions

Denied

Date: 7/10/97

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

*Mark Cooke* *389 Congress St Portland* *02 July 1997* *302-111*

SIGNATURE OF APPLICANT *Lisa Cooke* ADDRESS: DATE: PHONE:

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE PHONE:

White-Permit Desk Green-Assessor's Canary-D.P.W. Pink-Public File Ivory Card-Inspector



COMMENTS

7-21-97 - Cannot determine Setbacks / will call owner

7-23-97 - Same as above / meet w/owner

8-1-97 - Pool reduced to 25' length Setbacks appear OK

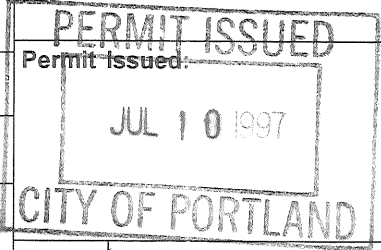
3-30-98 completed

Inspection Record

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

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

Location of Construction: 59 Oakdale St		Owner: Mark Cooke		Phone:		Permit No: 970725	
Owner Address: SAA Ptld, ME 04103		Lessee/Buyer's Name:		Phone: 871-8944		BusinessName:	
Contractor Name: Namco		Address:		Phone:			
Past Use: 2-fam		Proposed Use: Same		COST OF WORK: \$ 4,599.00		PERMIT FEE: \$ 45.00	
				FIRE DEPT. <input type="checkbox"/> Approved <input type="checkbox"/> Denied		INSPECTION: Use Group: Type:	
Proposed Project Description: Install A/G Pool (15 x 30)				Signature:		Signature:	
				PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.) Action: Approved <input type="checkbox"/> Approved with Conditions: <input type="checkbox"/> Denied <input type="checkbox"/>		Zoning Approval: <i>from all lot shows 10 uses &amp; house</i> Special Zone or Reviews: <input type="checkbox"/> Shoreland <i>which is min.</i> <input type="checkbox"/> Wetland <i>129.</i> <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <i>ok 5/9/97</i> <input type="checkbox"/> Site Plan maj <input type="checkbox"/> minor <input type="checkbox"/> mm <input type="checkbox"/>	
Permit Taken By: Mary Gresik		Date Applied For: 02 July 1997					



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..

**Zoning Appeal**

Variance  
 Miscellaneous  
 Conditional Use  
 Interpretation  
 Approved  
 Denied

**Historic Preservation**

Not in District or Landmark  
 Does Not Require Review  
 Requires Review

**Action:**

Approved  
 Approved with Conditions  
 Denied

Date: 7/9/97

*DA*

**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

Lisa Cooke 59 Oakdale St. Portland 02 July 1997 871-8944  
 SIGNATURE OF APPLICANT Lisa Cooke ADDRESS: DATE: PHONE:

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE PHONE:

White-Permit Desk Green-Assessor's Canary-D.P.W. Pink-Public File Ivory Card-Inspector

CEO DISTRICT 5  
*Mr. Jordan*

# BUILDING PERMIT REPORT

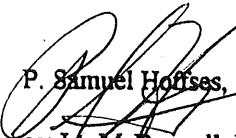
DATE: 10 July 97 ADDRESS: 59 Oak Lake St  
REASON FOR PERMIT: A/G pool  
BUILDING OWNER: Cooke's  
CONTRACTOR: NAMCO  
PERMIT APPLICANT: Owner APPROVAL: \*1 \*26 \*27 **DENIED**

## CONDITION(S) OF APPROVAL

- X 1. This permit does not excuse the applicant from meeting applicable State and Federal rules and laws.
  - X 2. Before concrete for foundation is placed, approvals from the Development Review Coordinator and Inspection Services must be obtained. (A 24 hour notice is required prior to inspection)
  3. Precaution must be taken to protect concrete from freezing.
  4. It is strongly recommended that a registered land surveyor check all foundation forms before concrete is placed. This is done to verify that the proper setbacks are maintained.
  5. Private garages located beneath habitable rooms in occupancies in Use Group R-1, R-2, R-3 or I-1 shall be separated from adjacent interior spaces by fire partitions and floor/ceiling assembly which are constructed with not less than 1-hour fire resisting rating. Private garages attached side-by-side to rooms in the above occupancies shall be completely separated from the interior spaces and the attic area by means of ½ inch gypsum board or the equivalent applied to the garage means of ½ inch gypsum board or the equivalent applied to the garage side. (Chapter 4 Section 407.0 of the BOCA/1996)
  6. 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) U.L. 103.
  7. Sound transmission control in residential building shall be done in accordance with Chapter 12 section 1214.0 of the city's building code.
  8. Guardrail & Handrails A guardrail system is a system of building components located near the open sides of elevated walking surfaces for the purpose of minimizing the possibility of an accidental fall from the walking surface to the lower level. Minimum height all Use Groups 42", except Use Group R which is 36". In occupancies in Use Group A, B, H-4, I-1, I-2 M and R and public garages and open parking structures, open guards shall have balusters or be of solid material such that a sphere with a diameter of 4" cannot pass through any opening. Guards shall not have an ornamental pattern that would provide a ladder effect.
  9. Headroom in habitable space is a minimum of 7'6".
  10. Stair construction in Use Group R-3 & R-4 is a minimum of 10" tread and 7 3/4" maximum rise. All other Use group minimum 11" tread. 7" maximum rise.
  11. The minimum headroom in all parts of a stairway shall not be less than 80 inches.
  12. Every sleeping room below the fourth story in buildings of use Groups R and I-1 shall have at least one operable window or exterior door approved for emergency egress or rescue. The units must be operable from the inside without the use of special knowledge or separate tools. Where windows are provided as means of egress or rescue they shall have a sill height not more than 44 inches (1118mm) above the floor. All egress or rescue windows from sleeping rooms shall have a minimum net clear opening height dimension of 24 inches (610mm). The minimum net clear opening width dimension shall be 20 inches (508mm), and a minimum net clear opening of 5.7 sq. ft.
  13. Each apartment shall have access to two (2) separate, remote and approved means of egress. A single exit is acceptable when it exits directly from the apartment to the building exterior with no communications to other apartment units.
  14. All vertical openings shall be enclosed with construction having a fire rating of at least one (1) hour, including fire doors with self closer's.
  15. The boiler shall be protected by enclosing with (1) hour fire-rated construction including fire doors and ceiling, or by providing automatic extinguishment.
  16. All single and multiple station smoke detectors shall be of an approved type and shall be installed in accordance with the provisions of the City's Building Code Chapter 9. Section 19, 920.3.2 (BOCA National Building Code/1996), and NFPA 101 Chapter 18 & 19. (Smoke detectors shall be installed and maintained at the following locations):
    - In the immediate vicinity of bedrooms
    - In all bedrooms
    - In each story within a dwelling unit, including basements
- In addition to the required AC primary power source, required smoke detectors in occupancies in Use Groups R-2, R-3 and

I-1 shall receive power from a battery when the AC primary power source is interrupted. (Interconnection is required)

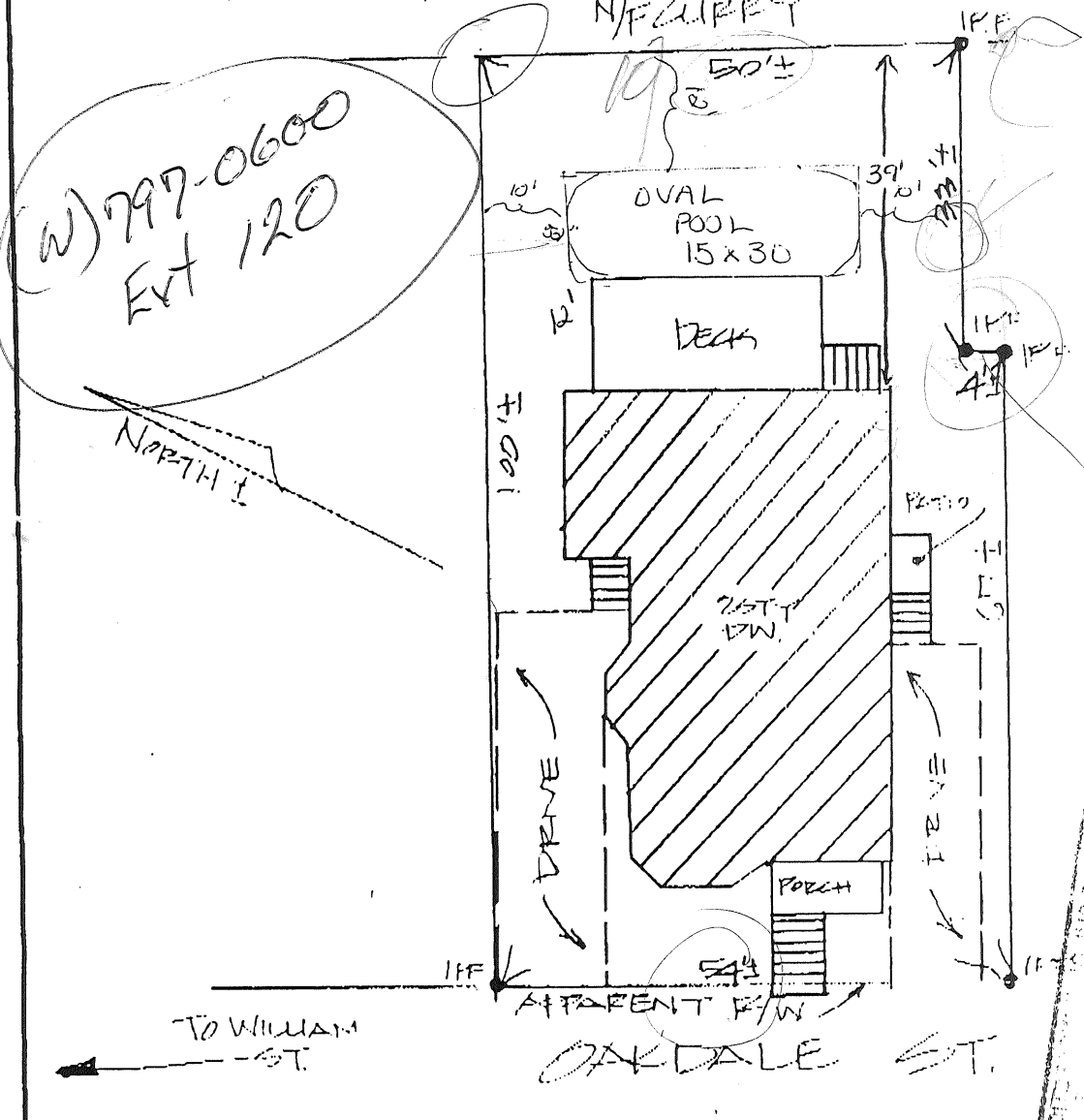
- 17. A portable fire extinguisher shall be located as per NFPA #10. They shall bear the label of an approved agency and be of an approved type.
- 18. The Fire Alarm System shall be maintained to NFPA #72 Standard.
- 19. The Sprinkler System shall maintained to NFPA #13 Standard.
- 20. All exit signs, lights, and means of egress lighting shall be done in accordance with Chapter 10 Section & Subsections 1023. & 1024. Of the City's building code. (The BOCA National Building Code/1996)
- 21. All construction and demolition debris must be disposed at the City's authorized reclamation site. The fee rate is attached. Proof of such disposal must be furnished to the office of Inspection Services before final Certificate of Occupancy is issued or demolition permit is granted.
- 22. 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".
- 23. The builder of a facility to which Section 4594-C of the Maine State Human Rights Act Title 5 MRSA refers, shall obtain a certification from a design professional that the plans commencing construction of the facility, the builder shall submit the certification to the Division of Inspection Services.
- 24. This permit does not excuse the applicant from obtaining any license which may be needed from the City Clerk's office.
- 25. Ventilation shall meet the requirements of Chapter 12 Sections 1210. of the City's Building Code.
- 26. All electrical and plumbing permits must be obtained by a Master Licensed holders of their trade.
- 27. When pool walls are in place please call for 17501
- 28. \_\_\_\_\_
- 29. \_\_\_\_\_

  
P. Samuel Hoffses, Chief of Code Enforcement  
cc: Lt. McDougall, PFD  
Marge Schmuckal

# FOR MORTGAGE LENDER USE ONLY

**GENERAL NOTES:** (1) DISTANCES SHOWN ARE TAKEN FROM PROVIDED TITLE REFERENCES SHOWN BELOW. (2) THIS INSPECTION EXAMINES DWELLING AND ACCESSORY STRUCTURE COMPLIANCE WITH RESPECT TO MUNICIPAL ZONING SETBACK REQUIREMENTS ONLY AT THE TIME OF CONSTRUCTION. (3) A STANDARD BOUNDARY SURVEY SHOULD BE PERFORMED TO RENDER A PROFESSIONAL OPINION AS TO PROPERTY LINE LOCATIONS WITH RESPECT TO DWELLINGS. (4) THIS INSPECTION DEPICTS ALL VISIBLE STRUCTURAL ENCROACHMENTS WITH RESPECT TO APPARENT PROPERTY LINES AND RECOGNIZES ONLY THOSE EASEMENTS & RIGHT OF WAYS STATED OR SHOWN IN THE PROVIDED TITLE REFERENCES SHOWN BELOW. THIS INSPECTION MAY NOT REVEAL ANY CONFLICTS WITH ADJUTING DEEDS. (5) FLOOD HAZARD DETERMINATION IS MADE BY SCALING DISTANCES ON BELOW REFERENCED FEMA MAP. (6) THIS INSPECTION IS TO BE USED ONLY BY THE BELOW LISTED LENDER, TITLE COMPANY &/OR ATTORNEY AND ITS TITLE INSURER.

ADDRESS: 59 OAKDALE ST.      INSPECTION DATE: 7-29-96  
PORTLAND, MAINE.      SCALE: 1" = 20'



APPLICANT: MARK COOKE      REQUESTING PARTY: LEETE & LEMIELIX  
 OWNER: HEARTSTONE INC.      ATTORNEY: JAMES P. LEMIELIX  
 LENDER: \_\_\_\_\_      FILE No. 962797

TITLE REFERENCES:  
 DEED BOOK: 7925 PAGE: 8  
 PLAN BOOK: \_\_\_\_\_ PAGE: \_\_\_\_\_ LOT: \_\_\_\_\_  
 COUNTY: CLIMBERLAND  
MUNICIPAL REFERENCE:  
 MAP: 116 BLOCK: B LOT: 28 & 29

THE DWELLING DOES NOT FALL WITHIN A SPECIAL FLOOD HAZARD ZONE PER FEMA COMMUNITY MAP NO. 22005L PANEL: 0013B ZONE: C DATED: 07-15-92  
 THE DWELLING WAS  IN COMPLIANCE WITH MUNICIPAL ZONING SETBACK REQUIREMENTS AT THE TIME OF CONSTRUCTION.  
 COMMENTS: SEE DEED FOR APPURTENANCES

**NADEAU & LODGE**  
**PROFESSIONAL LAND SURVEYORS**  
 844 STEVENS AVENUE      RFD 2, BOX 219A  
 PORTLAND, ME 04103      ALFRED, ME 04002  
 TEL 878-7870      TEL 282-0331  
 FAX 878-7871

*James P. Lemielix*  
 1/2/96

**THIS IS NOT A BOUNDARY SURVEY      NOT FOR RECORDING**

CITY OF PORTLAND

11.6.97

DEPARTMENT OF PLANNING & URBAN DEVELOPMENT  
INSPECTION SERVICES DIVISION  
389 CONGRESS STREET ROOM 315  
PORTLAND, MAINE 04101  
(207) 874-8300 ext. 8703



Inspection Service  
Samuel P. Hoffses  
Chief

SUBMETER APPLICATION

(For Sewer User Charge Adjustments)

TO BE COMPLETED BY APPLICANT

Address where sub-meter is requested: 59 Oakdale St  
Property owner name: Mark A Cooke  
Property owner address:(if different from submeter location) same  
Person to be contacted to schedule inspections: Mark or Lisa Cooke telephone# 713944114  
Portland Water District Acct. No. (on bill) 0-22-13802-3 7703552(W)  
Billing Name & Address (on bill) Lisa & Mark Cooke  
59 Oakdale St  
Location and size of existing Portland Water District Service Meter  
5/8" 59 Oakdale St  
Proposed location and size of sub-meter  
59 Oakdale St, has 1 inch lead out back 11/2"  
Will a remote reading register be utilized? No Yes (If yes, state location) sub house / driveway  
The volume of water to be submetered can be shown not to enter the sewerage system by virtue of its use for: Pool

The undersigned hereby requests permission to install an additional water meter ("sub-meter") in accordance with Section 24-76 (c) of the "Code of Ordinances, the City of Portland, Maine". It is understood that all expenses related to the purchase, installation, and maintenance of the meter is to be borne by the applicant.

I certify that above information is true and correct:

Lisa Cooke Signature 1-15-97 Date

Inspection Fee: \$20.00  
Paid on: 7-15-97  
Ck# 1066  
Cash  receipt#

A. TO BE COMPLETED BY APPLICANT  
A sketch showing the location of the existing and proposed meters; the proposed plumbing changes; and the water flow through the submeter to the non-discharge equipment (or location).  
*Handwritten sketch showing meter locations and flow directions.*

B. TO BE COMPLETED BY INSPECTION SERVICES  
 YES  NO Automatic reading system to be installed  
 A Watts #8 Back Flow Preventer, or equal, shall be installed on each outside faucet  
Application  Approved  Denied  
Date: 7-15-97 By: [Signature]  
Comments:

C. TO BE COMPLETED BY THE PLUMBING INSPECTOR  
An inspection of the completed submetering system installation shown on this application was conducted on: 8-1-97  
By: D. Jordan  
LPI for City of Portland, Maine  
 The submetering System installed as approved  
 No cross connections found  
 All back flow preventers installed  
Reading: 999 999  
 Approved  Disapproved the installation

D. TO BE COMPLETED BY THE WATER DISTRICT  
Date submeter sold  
Submeter account number  
Submeter make and serial number  
Submeter installation readings  
Submeter account entered into computer  
Submeter account entered into meter book

## BUILDING PERMIT REPORT

DATE: 9/July/197 ADDRESS: 59 Oakdale ST.  
REASON FOR PERMIT: To Install B/G Pool  
BUILDING OWNER: Mark & Lisa Cooke  
CONTRACTOR: Mamco  
PERMIT APPLICANT: Lisa Cooke APPROVAL: 1/27 **DENIED**

### CONDITION(S) OF APPROVAL

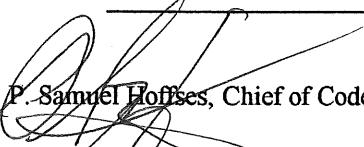
- X 1. This permit does not excuse the applicant from meeting applicable State and Federal rules and laws.
2. Before concrete for foundation is placed, approvals from the Development Review Coordinator and Inspection Services must be obtained. (A 24 hour notice is required prior to inspection)
3. Precaution must be taken to protect concrete from freezing.
4. It is strongly recommended that a registered land surveyor check all foundation forms before concrete is placed. This is done to verify that the proper setbacks are maintained.
5. Private garages located beneath habitable rooms in occupancies in Use Group R-1, R-2, R-3 or I-1 shall be separated from adjacent interior spaces by fire partitions and floor/ceiling assembly which are constructed with not less than 1-hour fire resisting rating. Private garages attached side-by-side to rooms in the above occupancies shall be completely separated from the interior spaces and the attic area by means of ½ inch gypsum board or the equivalent applied to the garage means of ½ inch gypsum board or the equivalent applied to the garage side. (Chapter 4 Section 407.0 of the BOCA/1996)
6. 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) U.L. 103.
7. Sound transmission control in residential building shall be done in accordance with Chapter 12 section 1214.0 of the city's building code.
8. Guardrail & Handrails A guardrail system is a system of building components located near the open sides of elevated walking surfaces for the purpose of minimizing the possibility of an accidental fall from the walking surface to the lower level. Minimum height all Use Groups 42" , except Use Group R which is 36". In occupancies in Use Group A, B, H-4, I-1, I-2 M and R and public garages and open parking structures, open guards shall have balusters or be of solid material such that a sphere with a diameter of 4" cannot pass through any opening. Guards shall not have an ornamental pattern that would provide a ladder effect.
9. Headroom in habitable space is a minimum of 7'6".
10. Stair construction in Use Group R-3 & R-4 is a minimum of 10" tread and 7 3/4" maximum rise. All other Use group minimum 11" tread. 7" maximum rise.
11. The minimum headroom in all parts of a stairway shall not be less than 80 inches.
12. Every sleeping room below the fourth story in buildings of use Groups R and I-1 shall have at least one operable window or exterior door approved for emergency egress or rescue. The units must be operable from the inside without the use of special knowledge or separate tools. Where windows are provided as means of egress or rescue they shall have a sill height not more than 44 inches (1118mm) above the floor. All egress or rescue windows from sleeping rooms shall have a minimum net clear opening height dimension of 24 inches (610mm). The minimum net clear opening width dimension shall be 20 inches (508mm), and a minimum net clear opening of 5.7 sq. ft.
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15. The boiler shall be protected by enclosing with (1) hour fire-rated construction including fire doors and ceiling, or by providing automatic extinguishment.
16. All single and multiple station smoke detectors shall be of an approved type and shall be installed in accordance with the provisions of the City's Building Code Chapter 9, Section 19, 920.3.2 (BOCA National Building Code/1996), and NFPA 101 Chapter 18 & 19. (Smoke detectors shall be installed and maintained at the following locations):
  - In the immediate vicinity of bedrooms
  - In all bedrooms
  - In each story within a dwelling unit, including basements

In addition to the required AC primary power source, required smoke detectors in occupancies in Use Groups R-2, R-3 and



I-1 shall receive power from a battery when the AC primary power source is interrupted. (Interconnection is required)

- 17. A portable fire extinguisher shall be located as per NFPA #10. They shall bear the label of an approved agency and be of an approved type.
- 18. The Fire Alarm System shall be maintained to NFPA #72 Standard.
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- 23. The builder of a facility to which Section 4594-C of the Maine State Human Rights Act Title 5 MRSA refers, shall obtain a certification from a design professional that the plans commencing construction of the facility, the builder shall submit the certification to the Division of Inspection Services.
- 24. This permit does not excuse the applicant from obtaining any license which may be needed from the City Clerk's office.
- 25. Ventilation shall meet the requirements of Chapter 12 Sections 1210. of the City's Building Code.
- 26. All electrical and plumbing permits must be obtained by a Master Licensed holders of their trade.
- 27. *Please read and implement items on attached sheets*  
*(Swimming Pools)*
- 28. \_\_\_\_\_
- 29. \_\_\_\_\_



P. Samuel Hoffses, Chief of Code Enforcement

cc: Lt. McDougall, PFD  
Marge Schmuckal

unit to prevent overturning or uplift. The *owner* of the parking space shall anchor or cause to be anchored all mobile units located on the parking space. Where concrete *platforms* are provided for the parking of mobile units, anchorage shall be provided by eyelets embedded in the concrete with adequate anchor plates or hooks, or other suitable means. The anchorage shall be adequate to withstand wind forces and uplift as required in Chapter 16 for buildings and structures, based upon the size and weight of the units.

## SECTION 421.0 SWIMMING POOLS

**421.1 General:** Swimming and bathing pools shall conform to the requirements of this section, provided that these regulations shall not be applicable to any such pool less than 24 inches (610 mm) deep or having a surface area less than 250 square feet (23.25 m<sup>2</sup>), except where such pools are permanently equipped with a water-recirculating system or involve structural materials. For the purposes of this code, pools are classified as private swimming pools or public swimming pools, as defined in Section 421.2. Materials and constructions used in swimming pools shall comply with the applicable requirements of this code.

**421.2 Definitions:** The following words and terms shall, for the purposes of this section and as used elsewhere in this code, have the meanings shown herein.

### Pools, swimming, hot tubs and spas

**Above-ground/on-ground pool:** See definition of private swimming pool.

**Barrier:** A fence, a wall, a building wall, the wall of an above-ground swimming pool or a combination thereof, which completely surrounds the swimming pool and obstructs access to the swimming pool.

**Hot tub:** See definition of private swimming pool.

**In-ground pool:** See definition of private swimming pool.

**Power safety cover:** A pool cover which is placed over the water area, and is opened and closed with a motorized mechanism activated by a control switch.

**Private swimming pool:** Any structure that contains water over 24 inches (610 mm) in depth and which is used, or intended to be used, for swimming or recreational bathing in connection with an occupancy in Use Group R-3 and which is available only to the family and guests of the householder. This includes in-ground, above-ground and on-ground swimming pools, hot tubs and spas.

**Private swimming pool, indoor:** Any private swimming pool that is totally contained within a private structure and surrounded on all four sides by walls of said structure.

**Private swimming pool, outdoor:** Any private swimming pool that is not an indoor pool.

**Public swimming pool:** Any swimming pool other than a private swimming pool.

**Spa:** See definition of private swimming pool.

**421.3 Permits and construction documents:** A swimming pool or appurtenances thereto shall not be constructed, installed, enlarged or altered until construction documents have been submitted and a permit has been obtained from the code official. The approval of all city, county and state authorities having jurisdiction over swimming pools shall be obtained before applying to the code official for a permit. Certified copies of these

approvals shall be filed as part of the supporting data for the permit application.

**421.3.1 Construction documents:** Construction documents shall accurately show dimensions and construction of the pool and appurtenances and properly established distances to lot lines, buildings, walks and fences, as well as details of the water supply system, drainage and water disposal systems, and all appurtenances pertaining to the swimming pool. Detailed construction documents of structures, vertical elevations and sections through the pool showing depth shall be included.

**421.4 Locations:** Private swimming pools shall not encroach on any front or side yard required by this code or by the governing zoning law, unless in accordance with specific rules of the jurisdiction in which the pool is located. A wall of a swimming pool shall not be located less than 6 feet (1829 mm) from any rear or side property line or 10 feet (3048 mm) from any street property line, unless in accordance with specific rules of the jurisdiction in which the pool is located.

**421.5 Structural design:** The pool structure shall be engineered and designed to withstand the expected forces to which the pool will be subjected.

**421.5.1 Wall slopes:** To a depth up to 2 feet 9 inches (838 mm) from the top, the wall slope shall not be more than one unit horizontal in five units vertical (1:5).

**421.5.2 Floor slopes:** The slope of the floor on the shallow side of the transition point shall not exceed one unit vertical to seven units horizontal (1:7). For public pools greater than 1,200 square feet (111.6 m<sup>2</sup>), the slope of the floor on the shallow side of the transition point shall not exceed one unit vertical to ten units horizontal (1:10). The transition point between shallow and deep water shall not be more than 5 feet (1524 mm) deep.

**421.5.3 Surface cleaning:** All swimming pools shall be provided with a recirculating skimming device or overflow gutters to remove scum and foreign matter from the surface of the water. Where skimmers are used for private pools, there shall be at least one skimming device for each 1,000 square feet (93 m<sup>2</sup>) of surface area or fraction thereof. For public pools where water skimmers are used, there shall be at least one skimming device for each 600 square feet (55.8 m<sup>2</sup>) of surface area or fraction thereof. Overflow gutters shall not be less than 3 inches (76 mm) deep and shall be pitched to a slope of one unit vertical to 48 units horizontal (1:48) toward drains, and constructed so that such gutters are safe, cleanable and that matter entering the gutters will not be washed out by a sudden surge of entering water.

**421.5.4 Walkways:** All public swimming pools shall have walkways not less than 4 feet (1219 mm) in width extending entirely around the pool. Curbs or sidewalks around any swimming pool shall have a slip-resistant surface for a width of not less than 1 foot (305 mm) at the edge of the pool, and shall be so arranged as to prevent return of surface water to the pool.

**421.5.5 Steps and ladders:** At least one means of egress shall be provided from private pools. Public pools shall provide

ladders to other *means of egress* at both sides of the diving section and at least one *means of egress* at the shallow section; or at least one *means of egress* in the deep section and the shallow section if diving boards are not provided. Treads of steps and ladders shall have slip-resistant surfaces and handrails on both sides, except that handrails are not required where there are not more than four steps or where the steps extend the full width of the side or end of the pool. Treads and risers of the pool steps shall conform to the following:

1. Step treads shall have a minimum unobstructed horizontal depth of 10 inches (254 mm) and a minimum unobstructed surface area of 240 square inches (0.15 m<sup>2</sup>).
2. Risers shall have a maximum uniform height of 12 inches (305 mm) as measured at the centerline of the tread. The height of the bottom riser shall not vary more than plus or minus 2 inches (51 mm) from the uniform riser height.

**421.6 Water supply:** All swimming pools shall be provided with a potable water supply, free of cross connections with the pool or its equipment.

**421.6.1 Water treatment:** Public swimming pools shall be designed and installed so that there is a pool water turnover at least once every 8 hours. Filters shall not filter water at a rate in excess of 3 gallons per minute per square foot (123 L/min/m<sup>2</sup>) of surface area. The treatment system shall be designed and installed so that at all times when the pool is occupied, the water is provided with excess chlorine of not less than 0.4 parts per million (ppm) or more than 0.6 ppm, or excess chloramine between 0.7 and 1.0 ppm, or disinfection shall be provided by other approved means. Acidity/alkalinity of the pool water shall not be below 7.0 or more than 7.5. All recirculating systems shall be provided with an approved hair and lint strainer installed in the system ahead of the pump.

Private swimming pools shall be designed and installed so that there is a pool water turnover at least once every 18 hours. Filters shall not filter water at a rate in excess of 5 gallons per minute per square foot (205 L/min/m<sup>2</sup>) of surface area. The pool owner shall be instructed in the care and maintenance of the pool by the supplier or builder, including treatment with high-test calcium hypochlorite (dry chlorine), sodium hypochlorite (liquid chlorine) or equally effective germicide and algicide, and the importance of proper pH (alkalinity and acidity) control.

**421.6.2 Drainage systems:** The swimming pool and equipment shall be equipped to be emptied completely of water and the discharged water shall be disposed of in an approved manner that will not create a nuisance to adjoining property.

**421.7 Appurtenant structures:** All *appurtenant structures*, installations and equipment, such as showers, dressing rooms, equipment houses or other buildings and structures, including plumbing, heating and air conditioning systems, shall comply with all applicable requirements of this code.

**421.7.1 Accessories:** All swimming pool accessories shall be designed, constructed and installed so as not to be a safety hazard. Installations or structures for diving purposes shall be properly anchored to insure stability.

**421.8 Equipment installations:** Pumps, filters and other mechanical and electrical equipment for public swimming pools shall be enclosed in such a manner as to provide access only to authorized persons and not to bathers. Construction and drainage shall be arranged to avoid the entrance and accumulation of water in the vicinity of electrical equipment.

**421.9 Enclosures for public swimming pools:** Public swimming pools shall be provided with an enclosure surrounding the pool area. The enclosure shall meet the provisions of Sections 421.9.1 through 421.9.3.

**421.9.1 Enclosure:** The enclosure shall extend not less than 4 feet (1219 mm) above the ground. All gates shall be self-closing and self-latching with latches placed at least 4 feet (1219 mm) above the ground.

**421.9.2 Construction:** Enclosure fences shall be constructed so as to prohibit the passage of a sphere larger than 4 inches (102 mm) in diameter through any opening or under the fence. Fences shall be designed to withstand a horizontal concentrated load of 200 pounds (896 N) applied on a 1-square-foot (0.093 m<sup>2</sup>) area at any point of the fence.

**421.9.3 Alternative devices:** A natural barrier, pool cover or other protective device approved by the governing body shall be an acceptable enclosure as long as the degree of protection afforded by the substituted device or structure is not less than the protection afforded by the enclosure, gate and latch described herein.

**421.10 Enclosures for private swimming pools, spas and hot tubs:** Private swimming pools, spas and hot tubs shall be enclosed in accordance with Sections 421.10.1 through 421.10.4 or by other approved barriers.

**421.10.1 Outdoor private swimming pool:** An outdoor private swimming pool, including an in-ground, above-ground or on-ground pool, hot tub or spa shall be provided with a barrier which shall comply with the following.

1. The top of the barrier shall be at least 48 inches (1219 mm) above finished ground level measured on the side of the barrier which faces away from the swimming pool. The maximum vertical clearance between finished ground level and the barrier shall be 2 inches (51 mm) measured on the side of the barrier which faces away from the swimming pool. Where the top of the pool structure is above finished ground level, such as an above-ground pool, the barrier shall be at finished ground level, such as the pool structure, or shall be mounted on top of the pool structure. Where the barrier is mounted on the pool structure, the opening between the top surface of the pool frame and the bottom of the barrier shall not allow passage of a 4-inch (102 mm) diameter sphere.
2. Openings in the barrier shall not allow passage of a 4-inch (102 mm) diameter sphere.
3. Solid barriers shall not contain indentations or protrusions except for normal construction tolerances and tooled masonry joints.
4. Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is less than 45 inches (1143 mm),

the horizontal members shall be located on the swimming pool side of the fence. Spacing between vertical members shall not exceed  $1\frac{3}{4}$  inches (44 mm) in width. Decorative cutouts shall not exceed  $1\frac{3}{4}$  inches (44 mm) in width.

5. Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is 45 inches (1143 mm) or more, spacing between vertical members shall not exceed 4 inches (102 mm). Decorative cutouts shall not exceed  $1\frac{3}{4}$  inches (44 mm) in width.
6. Maximum mesh size for chain link fences shall be a  $1\frac{1}{4}$ -inch (32 mm) square unless the fence is provided with slats fastened at the top or the bottom which reduce the openings to not more than  $1\frac{3}{4}$ -inches (44 mm).
7. Where the barrier is composed of diagonal members, such as a lattice fence, the maximum opening formed by the diagonal members shall be not more than  $1\frac{3}{4}$  inches (44 mm).
8. Access gates shall comply with the requirements of items 1 through 7 of Section 421.10.1, and shall be equipped to accommodate a locking device. Pedestrian access gates shall open outwards away from the pool and shall be self-closing and have a self-latching device. Gates other than pedestrian access gates shall have a self-latching device. Where the release mechanism of the self-latching device is located less than 54 inches (1372 mm) from the bottom of the gate: (a) the release mechanism shall be located on the pool side of the gate at least 3 inches (76 mm) below the top of the gate; and (b) the gate and barrier shall not have an opening greater than  $\frac{1}{2}$  inch (13 mm) within 18 inches (457 mm) of the release mechanism.
9. Where a wall of a dwelling unit serves as part of the barrier and contains a door that provides direct access to the pool, one of the following shall apply:

9.1. All doors with direct access to the pool through that wall shall be equipped with an alarm which produces an audible warning when the door and its screen, if present, are opened. The audible warning shall commence not more than 7 seconds after the door and door screen, if present, are opened and shall sound continuously for a minimum of 30 seconds. The alarm shall have a minimum sound pressure rating of 85 dBA at 10 feet (3048 mm) and the sound of the alarm shall be distinctive from other household sounds such as smoke alarms, telephones and door bells. The alarm shall automatically reset under all conditions. The alarm shall be equipped with manual means, such as touchpads or switches, to deactivate temporarily the alarm for a single opening from either direction. Such deactivation shall last for not more than 15 seconds.

The deactivation touchpads or switches shall be located at least 54 inches (1372 mm) above the threshold of the door.

- 9.2. All doors with direct access to the pool through that wall shall be equipped with a self-closing and self-latching device with the release mechanism located a minimum of 54 inches (1372 mm) above the floor. Swinging doors shall open away from the pool area.
- 9.3. The pool shall be equipped with a power safety cover. Where in a closed position, the cover shall be capable of holding a weight of 485 pounds (2157 N), shall not have any openings that allow passage of a  $4\frac{1}{2}$ -inch (114 mm) sphere and shall incorporate a system to drain standing water that collects on the cover. The cover control switch shall be permanently installed in accordance with NFPA 70 listed in Chapter 35, and be key-operated and of a spring-loaded or momentary-contact type. Where the switch is released, the operation of the cover shall stop instantly and be capable of reversing direction immediately. The switch shall be in the line of sight of the complete pool cover.
10. Where an above-ground pool structure is used as a barrier or where the barrier is mounted on top of the pool structure, and the means of access is a fixed or removable ladder or steps, the ladder or steps shall be surrounded by a barrier which meets the requirements of items 1 through 9 of Section 421.10.1. A removable ladder shall not constitute an acceptable alternative to enclosure requirements.

**421.10.2 Indoor private swimming pool:** All walls surrounding an indoor private swimming pool shall comply with Section 421.10.1, item 9.

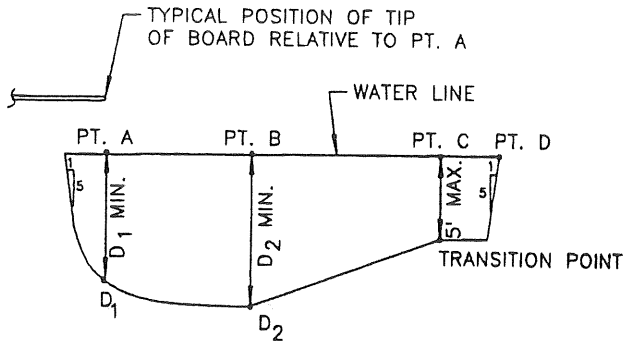
**421.10.3 Prohibited locations:** Barriers shall be located so as to prohibit permanent structures, equipment or similar objects from being used to climb the barriers.

**421.10.4 Exemptions:** The following shall be exempt from the provisions of this section.

1. A spa or hot tub with an approved safety cover.
2. Fixtures which are drained after each use.

**421.11 Diving boards:** Minimum water depths and distances for diving hoppers for pools, based on board height above water, shall comply with Table 421.11(1) for public pools and Table 421.11(2) for private pools.

The maximum slope permitted between point  $D_2$  and the transition point shall not exceed one unit vertical to three units horizontal (1:3) in private and public pools.  $D_1$  is the point directly under the end of the diving boards.  $D_2$  is the point at which the floor begins to slope upwards to the transition point. See Figure 421.11.



**Figure 421.11**  
**MINIMUM WATER DEPTHS AND DISTANCES BASED ON BOARD HEIGHT FOR PUBLIC AND PRIVATE POOLS**

**Table 421.11(1)**  
**MINIMUM WATER DEPTHS AND DISTANCES BASED ON BOARD HEIGHT FOR PUBLIC POOLS**

Board height	Minimum depth <sup>a</sup> at D <sub>1</sub> directly under end of board	Distance <sup>a</sup> between D <sub>1</sub> and D <sub>2</sub>	Minimum depth <sup>a</sup> at D <sub>2</sub>
2'2" (2/3 meter)	7'0"	8'0"	8'6"
2'6" (3/4 meter)	7'6"	9'0"	9'0"
1 meter	8'6"	10'0"	10'0"
3 meter	11'0"	10'0"	12'0"

Note a. 1 foot = 304.8 mm.

**Table 421.11(2)**  
**MINIMUM WATER DEPTHS AND DISTANCES BASED ON BOARD HEIGHT FOR PRIVATE POOLS**

Board height	Minimum depth <sup>a</sup> at D <sub>1</sub> directly under end of board	Distance <sup>a</sup> between D <sub>1</sub> and D <sub>2</sub>	Minimum depth <sup>a</sup> at D <sub>2</sub>
1'8" (1/2 meter)	6'0"	7'0"	7'6"
2'2" (2/3 meter)	6'10"	7'6"	8'0"
2'6" (3/4 meter)	7'5"	8'0"	8'0"
3'4" (1 meter)	8'6"	9'0"	9'0"

Note a. 1 foot = 304.8 mm.



DATE: 7/1/97

NAME: Carl  
 STREET: \_\_\_\_\_  
 CITY: Portland ZIP: \_\_\_\_\_  
 PHONE: 871-8944

STORE No.: \_\_\_\_\_  
 PHONE No.: 884-0508  
 SALES PERSON: Steve/Marcy

POOL:	DESCRIPTION:	PRICE
<u>RW 5 W 3015 B</u>	<u>60 ft pool</u>	<u>3449</u>

**ACCESSORY PACKAGE:**

FILTER: SAND / (D.E.) / CART (circle one) Description: \_\_\_\_\_

PUMP/MOTOR 1 1/2 HP 1 SPEED / 2 SPEED PRICE \$ 600

LADDER: A-FRAME 48" / (52") IN POOL 48" / 52" \_\_\_\_\_

DESCRIPTION: Included

THROUGH WALL SKIMMER & RETURN: Imbedded

**MAINTENANCE KIT:**

-30" Vac. Hose	-Vac. Head	-Hose Clamps
-Test Kit	-Thermometer	-Skimmer Head
-Patch Kit	-Telescopic Pole	

STANDARD  DELUXE \_\_\_\_\_

**SALE PRICE OF POOL AND POOL PACKAGE LISTED ABOVE:**

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AUTOMATIC VACUUM SYSTEM _____	POOL LIGHT _____
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INSTALLATION: 750 FOOT POOL: 30x15  
 AS LISTED ON PRICE & CONDITION SHEET  
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OTHER: (4) 250 - 200  
4049 - 200  
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