

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

Permit **981105**
PERMIT ISSUED
 Permit Issued: **SEP 29 1998**
CITY OF PORTLAND

Location of Construction: 54 Farragut St	Owner: Murphy, Laurence & Ellen	Phone: 797-8501
Owner Address: 5AA 04103	Lessee/Buyer's Name:	Business Name:
Contractor Name: Steve Anthony 929-5128	Address:	Phone:
Past Use: 1-fam	Proposed Use:	
Proposed Project Description: Renovate and add to 2nd floor, add 12' living space on 1st floor, 2 car garage	COST OF WORK: \$ 60,720.00	PERMIT FEE: \$ 325.00
Permit Taken By: MG	FIRE DEPT. <input type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: 3 Type: 5B Signature: [Signature]
	Signature:	Signature:
	PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.) Action: <input type="checkbox"/> Approved <input type="checkbox"/> Denied	Signature:
	Date Applied For: 15 September 1998	Date:

Zone: CBL: 339-J-033
 Zoning Approval: [Signature]
 Special Zone or Reviews:
 Shoreland
 Wetland
 Flood Zone
 Subdivision
 Site Plan maj minor mm

Zoning Appeal
 Variance
 Miscellaneous
 Conditional Use
 Interpretation
 Approved **Sept. 16, 1999**
 Denied

Historic Preservation
 Not in District or Landmark
 Does Not Require Review
 Requires Review

Action:
 Approved
 Approved with Conditions
 Denied

Date: _____

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

PERMIT ISSUED WITH REQUIREMENTS
 Granted Sept 16, 1999

SIGNATURE OF APPLICANT: _____ ADDRESS: _____ PHONE: _____
 DATE: 16 September 1998

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

COMMENTS

10/8/95 - Message left. OK

10/16/95 Second message left. OK

3/28/99 - Over has started interior work - stripped plaster etc. Had problems w/contract & financing - Regretted time extension

02-60 lamp veranda owner

5/28/99 Mr M. Colel - Shared blue site of 5/31 & contract start by 6/14 - wrote letter giving total time to 6/29 as allowed under BCR-92-107.9

7/23/99 Set back OK. Ready for concrete, OK

7/30/99 Foundation walls & stripped. OK for Backfill NR w/DC

8/16/99 Framing Preconstruction meeting w/Architect Steve Arkway discuss

Stairway dimensions Displacement of existing stairways in existing openings may not meet 10" ^{min} of travel ^{7 3/4"} max rise ③ New Stairway garage

to playroom must meet required dimensions ④ fire rating between garage and living area include support structure for living area DB

10/4/99 Plumbing rough in OK. OK

10/16/99 Met w/contractor re. spin windows, and stain design. OK

10/25/99 Garage stairs inadequate, must be redone. OK 11/4-75 X 10 DB

11/5/99 Final Smoke Detector inadequate & exterior stairs & guards inadequate DB

11/10/99 Final - All OK except for low smoke detectors to be fixed DB Inspection Record

5-16-00 left message, drove by No one home, usually

Viewed LV Rm smoke OD within 4'-12" range DB

6-1-00 playing phone tag left another message. DB

6-5-00 Inspected smokes - all good DB

6-5-00 message to Steve An Thony regarding steel Beam DB

6-20-00 Steve An Thony is sending Specs on wood I-Beams in garage. DB

Foundation:

Framing: 7/12/08 Specs received for floor trusses

Plumbing: as re I-Beam was not installed

Final: per plans DB

Other: DB

Type

Date

BUILDING PERMIT REPORT

DATE: 24 Sept 98 ADDRESS: 54 Farragut St. CBL 339-J-033
 REASON FOR PERMIT: To make renovations/ Addition
 BUILDING OWNER: Murphy
 CONTRACTOR: Steve Anthony
 PERMIT APPLICANT: ↑
 USE GROUP R-3 BOCA 1996 CONSTRUCTION TYPE 5B

CONDITION(S) OF APPROVAL

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

Approved with the following conditions: *1, *8, *9, *10, *12, *16, *24, *26, *29, *23, *28
*2, *2.5, *2.6

- *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)
- 2.5 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
- *2.6 Foundations anchors shall be a minimum of 1 1/2" in diameter, 7" into the foundation wall, minimum of 12" from corners of From corners of foundation and a maximum 6'o.c. between bolts. (Section 2305.17)
- 3. Precaution must be taken to protect concrete from freezing. Section 1908.0
- 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 1/2 inch gypsum board or the equivalent applied to the garage means of 1/2 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). Chapter 12 & NFPA 211
- 7. Sound transmission control in residential building shall be done in accordance with Chapter 12 section 1214.0 of the city's building code.
- 8. Guardrails & Handrails: A guardrail system is a system of building components located near the open sides of elevated walking surfaces for the purpose of minimizing the possibility of an accidental fall from the walking surface to the lower level. Minimum height all Use Groups 42", except Use Group R which is 36". In occupancies in Use Group A, B, H-4, I-1, I-2 M and R and public garages and open parking structures, open guards shall have balusters or be of solid material such that a sphere with a diameter of 4" cannot pass through any opening. Guards shall not have an ornamental pattern that would provide a ladder effect. (Handrails shall be a minimum of 34" but not more than 38". Use Group R-3 shall not be less than 30", but not more than 38".) Handrail grip size shall have a circular cross section with an outside diameter of at least 1 1/4" and not greater than 2". (Sections 1021 & 1022.0)
- 9. Headroom in habitable space is a minimum of 7'0". (Section 1204.0)
- 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. (Section 1014.0)
- 11. The minimum headroom in all parts of a stairway shall not be less than 80 inches. (6' 8") 1014.4
- 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. (Section 1018.6)

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. Section 1010.1

14. All vertical openings shall be enclosed with construction having a fire rating of at least one (1)hour, including fire doors with self closer's. (Over 3 stories in height requirements for fire rating is two (2) hours.) Section 710.0

15. 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

*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) Section 920.3.2

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. Section 921.0

18. The Fire Alarm System shall be maintained to NFPA #72 Standard.

19. The Sprinkler System shall maintained to NFPA #13 Standard.

20. All exit signs, lights, and means of egress lighting shall be done in accordance with Chapter 10 Section & Subsections 1023. & 1024. Of the City's building code. (The BOCA National Building Code/1996)

21. Section 25-135 of the Municipal Code for the City of Portland states, "No person or utility shall be granted a permit to excavate or open any street or sidewalk from the time of November 15 of each year to April 15 of the following year".

22. The builder of a facility to which Section 4594-C of the Maine State Human Rights Act Title 5 MRSA refers, shall obtain a certification from a design professional that the plans commencing construction of the facility, the builder shall submit the certification to the Division of Inspection Services.

*23. Ventilation shall meet the requirements of Chapter 12 Sections 1210. Of the City's Building Code. (crawl spaces & attics)

*24. All electrical, plumbing and HVAC permits must be obtained by a Master Licensed holders of their trade.

25. All requirements must be met before a final Certificate of Occupancy is issued.

*26. All building elements shall meet the fastening schedule as per Table 2305.2 of the City's Building Code. (The BOCA National Building Code/1996).

27. Ventilation of spaces within a building shall be done in accordance with the City's Mechanical Code (The BOCA National Mechanical Code/1993). (Chapter M-16)

*28. Please read and implement the attached Land Use-Zoning report requirements.

*29. The proposed w/14 x 26 STL. brs did not have a design statement for its use with your application, please submit this before installation.

30. _____

31. _____

32. _____


P. Samuel Huzzey, Building Inspector

cc: Lt. McDougall, PFD
Marge Schmuckal, Zoning Administrator

Inspection Services
Michael J. Nugent
Manager

Department of Urban Development
Joseph E. Gray, Jr.
Director



CITY OF PORTLAND

May 28, 1999

Lawrence & Ellen Murphy
54 Farragut St.
Portland, ME 04103

RE: 54 Farragut St
CBL: 39-J-033
Permit #98-1105
BOCA-96 Sec., 107.9


Dear Mr. & Mrs. Murphy;

Due to the fact that you have started work as authorized under the above-referenced project and had to stop work due to contractor delays your permit #98-1105 is hereby extended to June 29, 1999 as permitted under BOCA-96, Sec. 107.9.

Please be advised that only one time extension is allowed under Section 107.9 and work must commence on or prior to June 29, 1999 or the permit expire.

Please notify this office when work begins and schedule the inspections as required under the "Conditions of Approval" attached to the permit.

Sincerely,



Kevin W. Carroll
Code Enforcement Officer

Nbg/

797-8501

3-28-99

Mr. Carroll,

Re: Larry Murphy
54 Farragut St.
Portland, Me. 04103-1955

Building Permit # 98-1105
Ref. - CDL 339-J-033

Permit Purchased Sept. 29, 1998
Various start-up problems pushed
my contractor up against the
calendar in the fall of '98.

Renovations include interior
and exterior work.

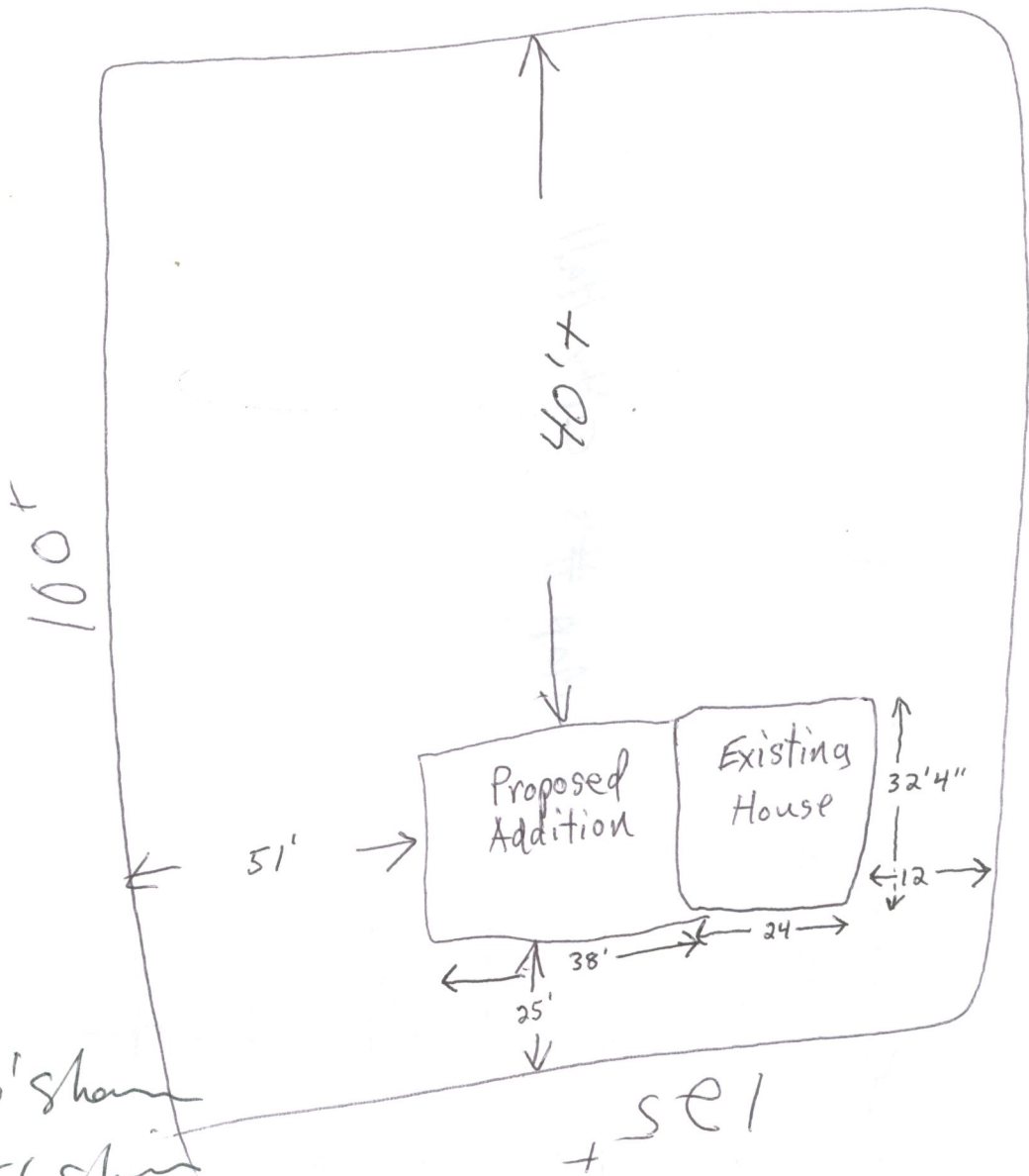
Exterior work has not been
started, but interior work has.

At this time I am requesting
a ~~90~~ day extension for my
building permit which expires
tomorrow (3-29-99).

Called 5/28
will close at Bank
on wk of 5/31

Thank You for your attention
to this matter.

Larry Murphy



REAR-25' req. / 40' shown
 front 25' req. / 25' shown
 side 4' req. / 51' shown

12,700 sq ft

54 Farragut

LAND USE - ZONING REPORT

ADDRESS: 54 Farragut St DATE: 9/25/98
 REASON FOR PERMIT: Add 2 CAR garage renovate & Add 2nd floor
 BUILDING OWNER: Murphy C-B-L: 339-J-33
 PERMIT APPLICANT: Steve Anthony
 APPROVED: with conditions DENIED: _____

#5, #9

CONDITION(S) OF APPROVAL

1. During its existence, all aspects of the Home Occupation criteria, Section 14-410, shall be maintained.
2. The footprint of the existing _____ shall not be increased during maintenance reconstruction.
3. All the conditions placed on the original, previously approved, permit issued on _____ are still in effect for this amendment.
4. Your present structure is legally nonconforming as to rear and side setbacks. If you were to demolish the building on your own volition, you will not be able to maintain these same setbacks. Instead you would need to meet the zoning setbacks set forth in today's ordinances. In order to preserve these legally non-conforming setbacks, you may only rebuild the garage in place and in phases.
5. This property shall remain a single family dwelling. Any change of use shall require a separate permit application for review and approval.
6. Our records indicate that this property has a legal use of _____ units. Any change in this approved use shall require a separate permit application for review and approval.
7. Separate permits shall be required for any signage.
8. Separate permits shall be required for future decks and/or garage.
9. Other requirements of condition This is Not An Approval for A New dwelling unit. No additional cooking & kitchen facilities shall be added (no kitchen sink, kitchen refrigerator, no stove, no microwave etc)

Marge Schmuckal Marge Schmuckal, Zoning Administrator,
 Asst. Chief of Code Enforcement

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

**Building or Use Permit Pre-Application
Additions/Alterations/Accessory Structures
To Detached Single Family Dwelling**

In the interest of processing your application in the quickest possible manner, please complete the Information below for a Building or Use Permit.

NOTEIf 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.**

Location/Address of Construction: 54 Farragut St.

Tax Assessor's Chart, Block & Lot Number Chart# <u>339</u> Block# <u>J</u> Lot# <u>033</u>		Owner: <u>Lawrence + Ellen Murphy</u>	Telephone#: <u>797-8501</u>
Owner's Address: <u>54 Farragut St. Portland, Me. 04103-1955</u>		Lessee/Buyer's Name (If Applicable)	Cost Of Work: <u>\$ 60,720</u> Fee <u>\$325</u>
Proposed Project Description:(Please be as specific as possible) <u>Renovate and add to 2nd Floor, add 12' living space on 1st Floor, 2-car garage.</u>			
Contractor's Name, Address & Telephone <u>Steve Anthony 929-5128</u>		Rec'd By: <u>[Signature]</u>	

Separate permits are required for Internal & External Plumbing, HVAC and Electrical installation.

- All construction must be conducted in compliance with the 1996 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 1996 National Electrical Code as amended by Section 6-Art III.
- HVAC(Heating, Ventilation and Air Conditioning) installation must comply with the 1993 BOCA Mechanical Code.

You must Include the following with you application:

- 1) A Copy of Your Deed or Purchase and Sale Agreement
- 2) A Copy of your Construction Contract, if available
- 3) A Plot Plan (Sample Attached)

If there is expansion to the structure, a complete plot plan (Site Plan) must include:

- 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 required zoning district setbacks

4) Building Plans (Sample Attached)

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

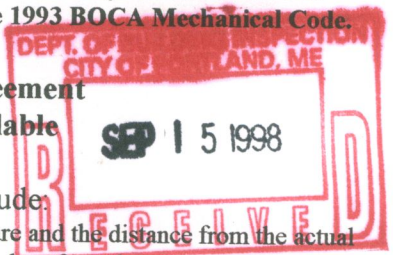
- Cross Sections w/Framing details (including porches, decks w/ railings, and accessory structures)
- Floor Plans & Elevations
- Window and door schedules
- Foundation plans with required drainage and dampproofing
- Electrical and plumbing layout. Mechanical drawings for any specialized equipment such 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.

Signature of applicant: Lawrence Murphy Date: 9-15-98

Building Permit Fee: \$25.00 for the 1st \$1000.cost plus \$3.00 per \$1,000.00 construction cost thereafter.



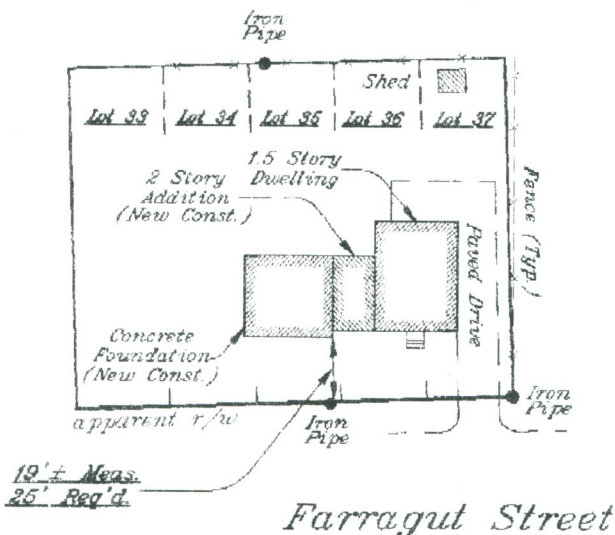
For Mortgage Lender Use Only

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. (3) A Standard Boundary Survey should be performed to render a professional opinion as to actual property line locations. (4) This inspection depicts all visible structural encroachments with respect to apparent property lines and recognizes only those easements & rights of ways stated or shown in below provided title references and does not reveal any conflicts with abutting deeds. (5) Flood hazard determination is made by studying 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: 54 Farragut Street
Portland, Maine

Inspection Date: August 19, 1999

Scale: 1" = 40'



Notes:

The City of Portland requires a 25' front setback in the R-3 Zone.
Apparent lines of occupation are shown on this sketch.
Geometric shape shown per assessors map.
A Standard Boundary Survey is recommended for accurate location.

Applicant: Laurence & Ellen Murphy

Requesting Party: Fleming Title Services

Owner: Same

Attorney: James Fleming Esq.

Lender: First Financial Mortgage Co.

File No. 990716 Field Book: 146-48

F.T.S. File No. M99-205

Title References:

Dea	t
Pla	
Cor	
Mu	
Ma	own
The	at Flood
Haz	to 230151
Par	of 8, 1998
The	
mu	
the	
Con	

ATTN MARGE
874 8716

Nadeau & Lodge, Inc.

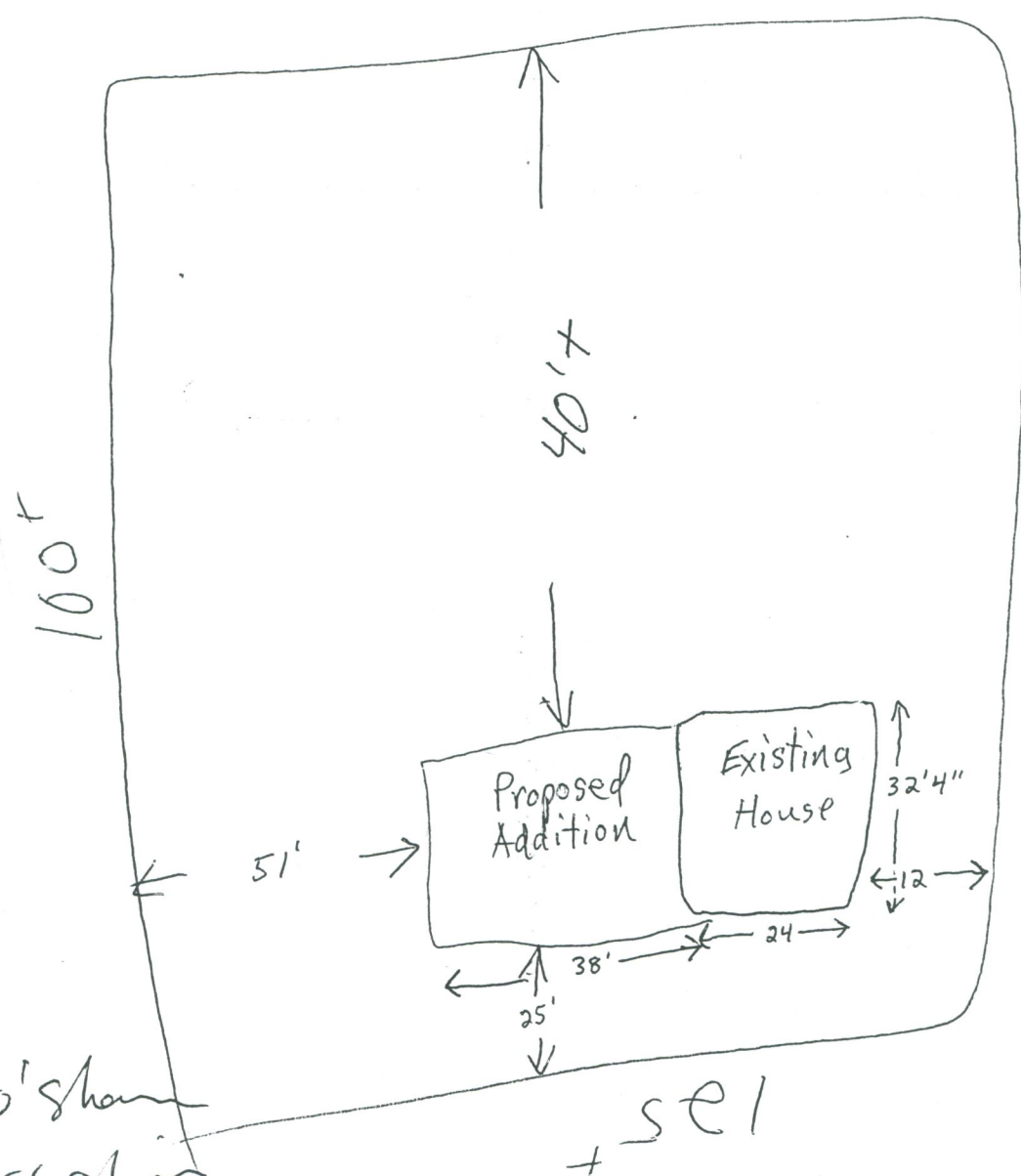
Professional Land Surveyors

844 Stevens Avenue
Portland, Maine 04103
(207) 878-7870

232 Clarks Woods Road
Lyman, Maine 04062
(207) 882-0331

Survey

Not For Recording



REAR-25' req. / 40' shown
 Front 25' req. / 25' shown
 Side 4' req. / 51' shown

54 Farragut

12,700#



CITY OF PORTLAND

CERTIFICATE OF VARIANCE APPROVAL

I, Elizabeth Bordowitz, the duly appointed Chair of the Board of Appeals for the City of Portland, Cumberland County and State of Maine, hereby certify that on the 16th day of September, 1999, the following variance was granted pursuant to the provisions of 30-A M.R.S.A. Section 4353(5) and the City of Portland's Code of Ordinances.

1. **Property Owner:** Larry & Ellen Murphy
2. **Property:** Cumberland County Registry of Book _____, Page _____
(Last recorded _____ Deed in Chain of Title)
54 Farragut Street CBL: 339-J-033
3. **Variance and Conditions of Variance:**
To grant relief from Section 14-90(4) to allow approximately a 19-foot front setback instead of the required 25-foot front setback, R-3 Zone.

IN WITNESS WHEREOF, I have hereto set my hand and seal this 21st day of September, 1999.

Elizabeth L. Bordowitz
Elizabeth J. Bordowitz, Chair

(Printed or Typed Name)

STATE OF MAINE
Cumberland, ss.

Then personally appeared the above-named **Elizabeth Bordowitz** and acknowledged the above certificate to be her free act and deed in her capacity as Chairman of the Portland Board of Appeals.

Karen J. Vigue
Karen J. Vigue
(Printed or Typed Name)

Notary Public
Commission Expires: 6/21/200

PURSUANT TO 30-A M.R.S.A. SECTION 4353(5), THIS CERTIFICATE MUST BE RECORDED BY THE PROPERTY OWNER IN THE CUMBERLAND COUNTY REGISTRY OF DEEDS WITHIN 90 DAYS FROM FINAL WRITTEN APPROVAL FOR THE VARIANCE TO BE VALID. FURTHERMORE, THIS VARIANCE IS SUBJECT TO THE LIMITATIONS SET FORTH IN SECTION 14-474 OF THE CITY OF PORTLAND'S CODE OF ORDINANCES.

Z 397 901 742

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to	
339-J-033	
Street & Number	
Post Office, State, & ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	



Department of Urban Development
Joseph E. Gray, Jr.
Director

CITY OF PORTLAND

STOP WORK NOTICE

PS Form 3800, April 1995

Certified Mail Receipt # Z 397 901 742

Dear Mr. & Mrs. Murphy;

An evaluation of the property at 54 Farragut St 08/24/99 revealed that the structure fails to comply with Section 108.6 of the Building Code of the City of Portland.

New addition does not conform with established front setbacks.

This is a **STOP WORK ORDER** pursuant to Section 117.1 of the Building Code (1996 BOCA). All construction activity must Stop immediately.

Relocate structure or obtain variance from Zoning Board of Appeals.

Failure to comply will result in this office referring the matter to the City of Portland Corporation Counsel for legal action and possible civil penalties, as provided for in Section 1-15 of the Code and in Title 30-A M.R.S.A. ss 4452.

This constitutes an appealable decision pursuant to Section 121.5 of the Code. Please feel free to contact me at 874-8693, if you wish to discuss the matter or have any questions.

Sincerely,

Arthur Rowe
Code Enforcement Officer

cc/Central File

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. Addressee's Address
2. Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Lawrence + Ellen Murphy
 54 Passagut St
 Portland, ME
 339-J-033 04103

4a. Article Number

7397 901 742

4b. Service Type

- Registered Certified
- Express Mail Insured
- Return Receipt for Merchandise COD

7. Date of Delivery

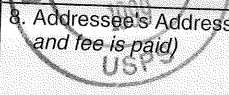
Aug 21 1999

5. Received By: (Print Name)

Larry Murphy

6. Signature: (Addressee or Agent)

X Larry Murphy



8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1994

102595-98-B-0229

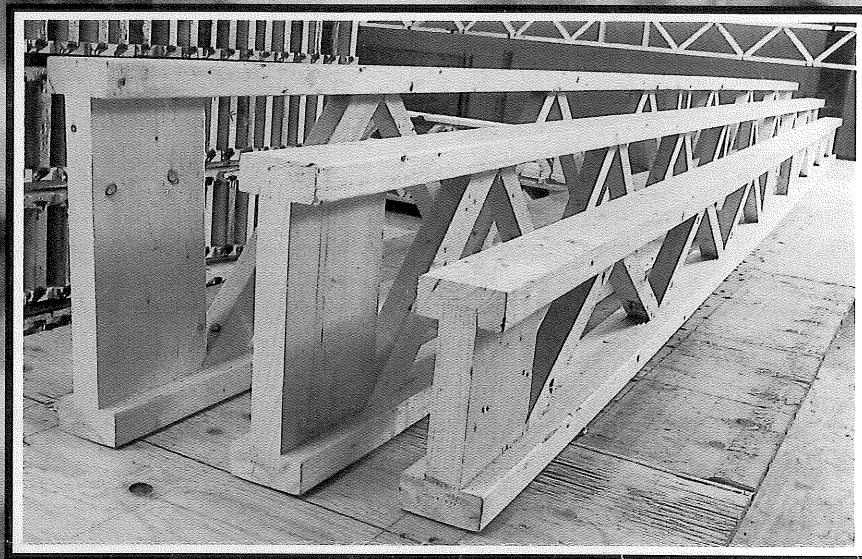
Domestic Return Receipt

Thank you for using Return Receipt Service.

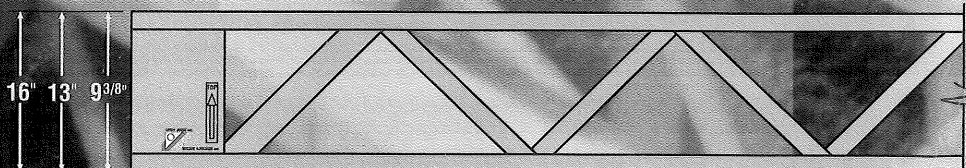
OPEN JOIST



**THE ONLY OPEN WEBBED
ALL WOOD FLOOR TRUSS
WITHOUT METAL PLATE CONNECTORS**

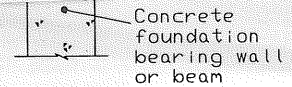


- the strength of a triangle
- the precision of finger joinery
- the assurance of continual testing
- the convenience of inventory
- the accuracy of field trimming

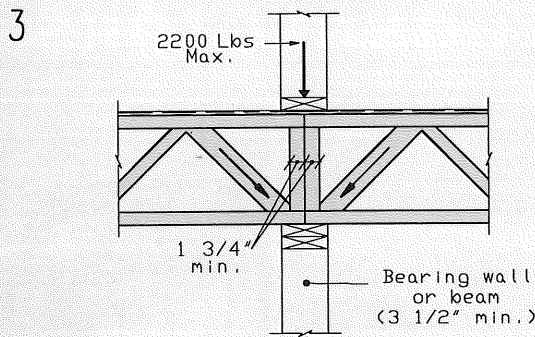


JOIST DEPTH 13"			DEAD LOAD 15				DEAD LOAD 20				DEAD LOAD 25				DEAD LOAD 30			
CHORD DIM.	LUMBER GRADE	LENGTH	SPACING				SPACING				SPACING				SPACING			
			12"	16"	19.2"	24"	12"	16"	19.2"	24"	12"	16"	19.2"	24"	12"	16"	19.2"	24"
3 x 2	SPF #2	10'-0"	273	201	165	129	268	196	160	124	263	191	155	119	258	186	150	114
3 x 2	SPF #2	11'-0"	241	177	145	113	236	172	140	108	231	167	135	103	226	162	130	98
3 x 2	SPF #2	12'-0"	212	155	127	99	207	150	122	94	202	145	117	89	197	140	112	84
3 x 2	SPF #2	13'-0"	188	137	112	87	183	132	107	82	178	127	102	77	173	122	97	72
3 x 2	SPF #2	14'-0"	169	123	100	77	164	118	95	72	159	113	90	67	154	108	85	62
3 x 2	SPF #2	15'-0"	150	109	88	67	145	104	83	62	140	99	78	57	135	94	73	52
3 x 2	SPF #2	16'-0"	128	93	75	57	124	88	70	52	119	83	65	47	114	78	60	42
3 x 2	SPF #2	17'-0"	106	79	65	49	106	76	60	44	103	71	55	39	98	66	50	34
3 x 2	SPF #2	18'-0"	91	68	57	43	91	66	52	38	90	61	47	33	85	56	42	28
4 x 2	SPF #2	19'-0"	102	73	58	43	97	68	53	38	92	63	48	33	87	58	43	28
4 x 2	SPF #2	20'-0"	91	64	51	38	86	59	46	33	81	54	41	28	76	49	36	23
4 x 2	SPF #2	21'-0"	80	59	47	35	79	54	42	30	74	49	37	25	69	44	32	20
4 x 2	MSR 2100	22'-0"	83	62	52	39	83	62	48	34	83	57	43	29	79	52	38	24
4 x 2	MSR 2100	23'-0"	74	55	46	36	74	55	44	31	74	52	39	26	72	47	34	21
4 x 2	MSR 2100	24'-0"	64	48	40	32	64	48	40	28	64	47	35	23	64	42	30	18
4 x 2	MSR 2100	25'-0"	58	43	36	29	58	43	36	26	58	43	32	21	58	38	27	16

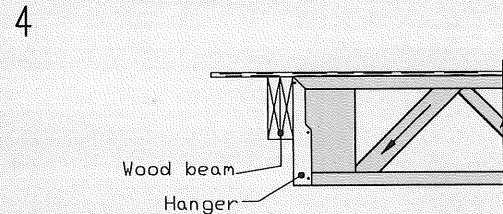
**JOIST ADJUSTMENT TOLERANCE
SUBFLOOR AND RIM BOARD**



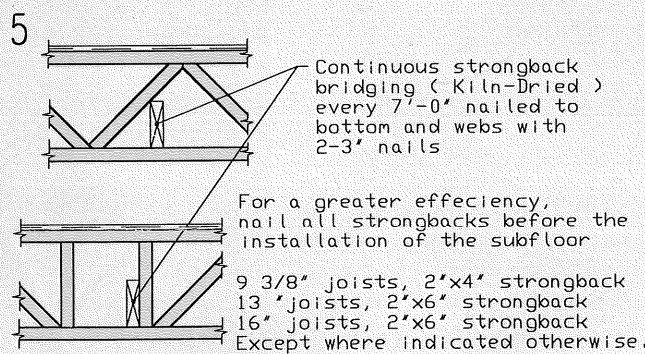
BEARING WALL



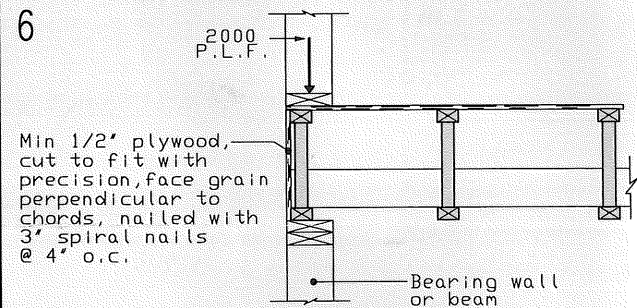
END-TO-END JOISTS



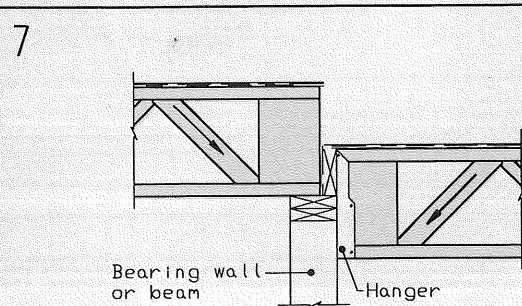
**JOIST TO BEAM WITH
APPROPRIATE HANGER**



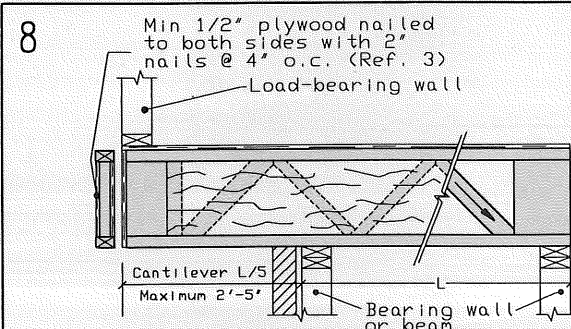
CONTINUOUS STRONGBACK BRIDGING



**LONGITUDINAL MULTI STORY
BEARING WALL**



MULTI LEVEL FLOOR



**CANTILEVER SUPPORTING
LOAD BEARING WALL**

Jeanie Bounke;

These are the joist
i used on the Murphy project.
Spaced 16" o.c. then tied to
Rafters with the knee wall
Framing.

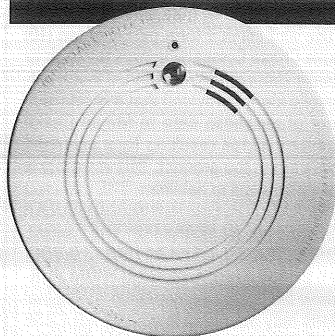
Thanks
Steph Att

120V AC
Smoke Alarm
with 9V Battery
Back-up

FIREX[®]

Smoke Alarm

110-762



IONIZATION MODELS AD, ADC PHOTOELECTRIC MODEL PAD

PLEASE READ AND SAVE
THIS MANUAL

Installer: Please leave this
manual with the product.



SMOKE ALARM DESCRIPTIONS

- Model AD and ADC — Ionization type smoke alarm. This type of smoke alarm responds fastest to fast burning fires with hot, open flame and small or invisible smoke particles.
- Model PAD — Photoelectric smoke alarm. Responds to slow burning, visible smoke caused by smoldering fires. May reduce false/nuisance alarms caused by cooking or high humidity.

SMOKE ALARM FEATURES

- Model ADC features a False Alarm Control™ which, when activated, quiets unwanted alarms for up to 15 minutes.
- This smoke alarm is powered by 120V AC and a 9-volt battery back-up source. AC/DC smoke alarms offer added protection in the event of a power failure or a drained battery.
- Unique power connector prevents interconnection with incompatible smoke alarms or security systems.
- This smoke alarm may be interconnected with as many as 11 other Firex model AD, ADC, FX1218 and PAD smoke alarms, or as many as 6 Firex model ADH heat alarms for a total of not more than 18 interconnected devices.
- Optional tamper-resist feature can safeguard against tampering.
- Unique "battery missing" signal. The smoke alarm will not attach to the mounting bracket if a battery is not in the battery pocket.
- Improperly connected or weak battery signal. The smoke alarm will sound a short beep about once a minute if the battery is weak or improperly connected.
- Separate green and red LEDs indicate whether the smoke alarm is receiving AC and DC power, working under normal operation, in alarm, or under false alarm control.
- Loud alarm horn—85 decibels at 10 feet—alerts you of an emergency.
- Test button checks smoke alarm operation.

IMPORTANT SAFETY INFORMATION PLEASE READ AND SAVE THESE INSTRUCTIONS



W A R N I N G

- **This smoke alarm requires constant 120-volt, AC power AND a working 9-volt battery to operate properly.** This smoke alarm WILL NOT work if AC power is not connected or has failed or been interrupted for any reason AND the battery is removed, drained (a "beep" once per minute indicates a drained battery) or improperly connected. DO NOT use any other kind of battery except as specified in this manual. DO NOT connect this smoke alarm to any other type of smoke alarm or auxiliary device, except those listed in this manual.
- **DO NOT remove or disconnect battery or turn off AC power to quiet unwanted alarms.** This will remove your protection. Open windows or fan the air around smoke alarm to silence it. Model ADC smoke alarms feature a False Alarm Control™ button which, when activated, will quiet unwanted alarms for up to 15 minutes.
- **The Push-to-Test button accurately tests all smoke alarm functions.** DO NOT use any other test method. **Test smoke alarm weekly to ensure proper operation.**
- **This smoke alarm should be installed only by a licensed, qualified electrician.** Observe and follow all local and national electrical and building codes for installation.
- **This smoke alarm is designed to be used inside a single family household only.** In multi-family buildings, each individual living unit should have its own smoke alarms. Do not install in non-residential buildings or places which house many people like hotels, motels, dormitories, hospitals, nursing homes, or group homes of any kind. This smoke alarm is not a substitute for a complete alarm system.
- **Install a smoke alarm in every room and on every level of the home.** Smoke may not reach the smoke alarm for many reasons. For example, if a fire starts in a remote part of the home, on another level, in a chimney, wall, roof, or on the other side of a closed door, smoke may not reach the smoke alarm in time to alert household members. A smoke alarm will not promptly detect a fire EXCEPT in the area or room in which it is installed.
- **Interconnected smoke alarms installed in every room and on every level of the household offers maximum protection.** The National Fire Protection Agency (NFPA) recommends interconnecting smoke alarms so that when one smoke alarm senses smoke and sounds its alarm, all others will sound as well. Do not interconnect smoke alarms from one individual family living unit to another. Do not connect this smoke alarm to any other type of alarm or auxiliary device.
- **Smoke alarms may not alert every household member every time.** The alarm horn is loud in order to alert individuals of a potential danger. However, there may be limiting circumstances where a household member may not hear the alarm (i.e. outdoor or indoor noise, sound sleepers, drug or alcohol usage, the hard of hearing, etc.). If you suspect that this smoke alarm may not alert a household member, install and maintain specialty smoke alarms. Household members must hear the alarm's warning sound and quickly respond to it to reduce the risk of damage, injury, or death that may result from fire. If a household member is hard of hearing, install special smoke alarms with lights or vibrating devices to alert occupants.
- **Smoke alarms can only sound their alarms when they detect smoke.** Smoke alarms detect combustion particles in the air. They do not sense heat, flame, or gas. This smoke alarm is designed to give audible warning of a developing fire. However, many fires are

fast-burning, explosive, or intentional. Others are caused by carelessness or safety hazards. Smoke may not reach the smoke alarm QUICKLY ENOUGH to ensure safe escape.

- **Smoke alarms have limitations.** This smoke alarm is not fool-proof and is not warranted to protect lives or property from fire. Smoke alarms are not a substitute for insurance. Homeowners and renters should insure their lives and property. In addition, it is possible for the smoke alarm to fail at any time. **For this reason, you must test the smoke alarm weekly and replace every 10 years.**

SMOKE ALARM PLACEMENT

Maple Chase recommends complete coverage protection achieved by installing a smoke alarm in every room of your home. The National Fire Protection Association's (NFPA) minimum requirement, as stated in Standard 72, Chapter 2, reads as follows:

"2-2.1.1.1 Smoke detectors shall be installed outside of each separate sleeping area in the immediate vicinity of the bedrooms and on each additional story of the family living unit including basements and excluding crawl spaces and unfinished attics. In new construction a smoke detector also shall be installed in each sleeping room.

Chapter 2, also reads as follows:

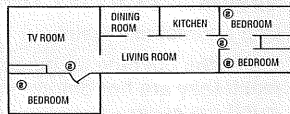
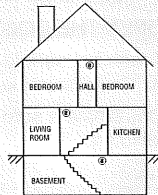
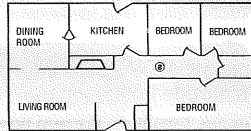
"2-2.2.1 In new construction, where more than one smoke detector is required by 2-2.1, they shall be so arranged that operation of any smoke detector shall cause the alarm in all smoke detectors within the dwelling to sound.

The NFPA, 1993 Edition, Appendix A further states:

"The required number of smoke detectors may not provide reliable early warning protection for those areas separated by a door from the areas protected by the required smoke detectors. For this reason, it is recommended that the householder consider the use of additional smoke detectors for those areas for increased protection. The additional areas include: basement, bedrooms, dining room, furnace room, utility room, and hallways not protected by the required smoke detectors."

Also, as required by the California State Fire Marshal:

"Early warning fire detection is best achieved by the installation of fire detection equipment in all rooms and areas of the household as follows: A smoke detector installed in each separate sleeping area (in the vicinity, but outside the bedrooms), and heat or smoke detectors in the living rooms, dining rooms, bedrooms, kitchens, hallways, attics, furnace rooms, closets, utility and storage rooms, basements and attached garages."

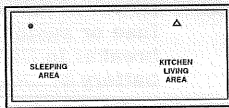


FOR BEST PROTECTION, WE RECOMMEND THAT YOU INSTALL A SMOKE ALARM IN EVERY ROOM.

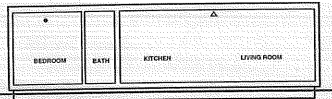
In addition, we recommend that all smoke alarms be interconnected.

Typical Efficiency Home (Apartment)

- Install a smoke alarm on the ceiling or wall closest to the sleeping area.



EFFICIENCY APARTMENT



MOBILE HOME

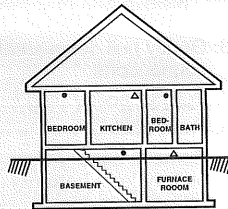
Typical Mobile Home

NOTE: For mobile homes built before 1978, install smoke alarms on an inside wall between 4 and 12 inches from the ceiling. (Older mobile homes have little or no insulation in the ceiling.) This is especially important if the ceiling is unusually hot or cold.

- Install a smoke alarm inside each bedroom and in the hallway outside each separate sleeping area.

Typical Single Story Home

- Install a smoke alarm on the ceiling or wall inside each bedroom and in the hallway outside each separate sleeping area. If a bedroom area hallway is more than 30 feet long, install a smoke alarm at each end.



SINGLE STORY

If there is a basement:

- Install a smoke alarm on the basement ceiling at the bottom of the stairwell.

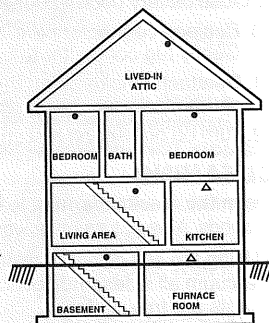
Typical Two-Story or Split Level Home

- Install a smoke alarm on the ceiling or wall inside each bedroom and in the hallway outside each separate sleeping area. If a bedroom area hallway is more than 30 feet long, install a smoke alarm at each end.

- Install a smoke alarm at the top of a first-to-second floor stairwell.

If there is a basement:

- Install a smoke alarm on the basement ceiling at the bottom of the stairwell.



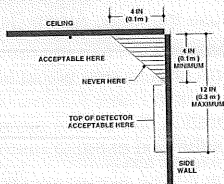
TWO STORY

Key

- Smoke Alarm (Ionization)
- △ Ionization Smoke Alarm with False Alarm Control™ or Photoelectric Smoke Alarm

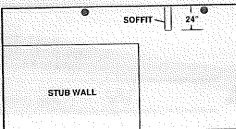
IMPORTANT SMOKE ALARM PLACEMENT AND EXCEPTION INFORMATION:

- Install a smoke alarm as close to the center of the ceiling as possible. If this is not practical, mount no closer than 4 inches from a wall or corner. Also, if local codes allow, install smoke alarms on walls, between 4 and 12 inches from ceiling/wall intersections.

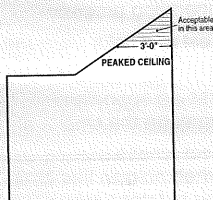


- Install a minimum of two smoke alarms in every home, no matter how small the home. New construction codes require a minimum of two interconnected smoke alarms in newly built homes.

- Install a smoke alarm in each room that is divided by a partial wall (either coming down from the ceiling at least 8 inches, or coming up from the floor).



- Install smoke alarms on peaked, cathedral, or gabled ceilings 3 feet from the highest point (measured horizontally).



- Install a smoke alarm in lived-in attics which house electrical equipment like furnaces, air conditioners, or heaters.

DO NOT install smoke alarm:



Near appliances or areas where normal combustion regularly occurs (kitchens, near furnaces, hot water heaters). Use specialized smoke alarms with unwanted alarm control for these areas.



In areas with high humidity, like bathrooms or areas near dishwashers or washing machines. Install at least 10 feet (3 meters) away from these areas, if possible.



Near air returns or heating and cooling supply vents. The air could blow smoke away from the detector, interrupting its alarm.



In rooms where temperatures may fall below 40°F (4°C) or rise above 100°F (38°C).



In extremely dusty, dirty, or insect-infested areas. Loose particles interfere with smoke alarm operation.

HOW TO INSTALL THIS SMOKE ALARM

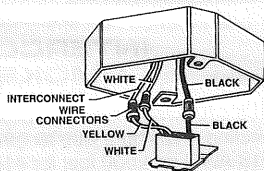
⚠ DANGER: **ELECTRICAL SHOCK HAZARD.** Turn off power at the main fuse box or circuit breaker by removing the fuse or switching the circuit breaker to the OFF position.

⚠ WARNING: This smoke alarm should be installed only by a qualified electrician. Smoke alarm installation must be in accordance with the requirements of Article 760 of the National Electrical Code and any local codes that may apply.

THIS SMOKE ALARM SHOULD BE INSTALLED IN ACCORDANCE WITH THE NATIONAL FIRE PROTECTION ASSOCIATION'S STANDARD 72 (National Fire Protection Association, Batterymarch Park, Quincy, MA 02269).

- Install smoke alarm on a 4-inch octagon or single gang junction box only.

1. From back of smoke alarm, remove mounting plate. (To later engage tamper-resist feature, twist out and set aside one of the pins molded into the plate. Both pins are exactly the same.)



2. Align recessed slots on plate with mounting holes of a 4-inch octagon or single gang junction box.

3. Gently pull household wires through center hole of plate.

4. Secure plate to junction box using mounting screws.

5. With a small wire connector, connect white wire from connector plug to white household wire.

6. Connect black wire from connector plug to black household wire.

7. If interconnection is desired, connect yellow wire from connector to interconnect wire between smoke alarms. See section, "Interconnecting Smoke Alarms."

NOTE: If this will be a single-station smoke alarm, cover yellow wire with electrical tape and tuck into junction box.

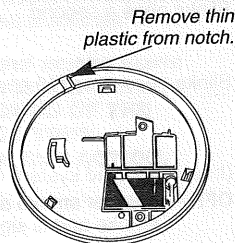
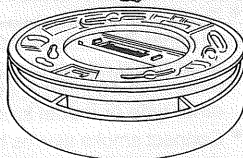
8. Lift open battery pocket door.

9. Connect new 9-volt battery to battery connector inside battery pocket. **BE SURE BATTERY IS SECURELY CONNECTED.** Smoke alarm may beep briefly when battery is installed.

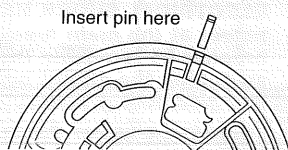
10. Close battery pocket door, snapping it into place. (For tamper-resist, use long-nosed pliers to remove thin plastic from notch on smoke alarm edge.)

11. Attach connector plug to pins on back of smoke alarm. Plug will only fit one way and will snap into place.

12. Gently tug connector to be sure it is attached securely.

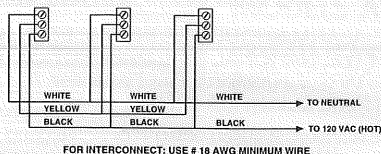


13. Position smoke alarm to mounting plate and turn clockwise to lock into place. (To engage tamper resist feature, insert pin into notch on edge of smoke alarm after smoke alarm is positioned properly in base. Refer to step #10 on previous page.)



NOTE: Smoke alarm will not mount to plate if battery is not installed.

14. Turn on power at main fuse box or circuit breaker.
15. Test smoke alarm. See "TESTING THE SMOKE ALARM."



INTERCONNECTING SMOKE ALARMS

- Use #18 AWG minimum solid or stranded wire. When interconnecting, maximum wire length between any two is 1,500 feet for #18 AWG or 4,000 feet for #14 AWG (20 OHMS loop resistance).
- This smoke alarm may be interconnected with as many as 11 other Firex model AD, ADC, FX1218 and PAD smoke alarms, or as many as 6 Firex model ADH heat alarms for a total of not more than 18 interconnected devices. DO NOT connect to any other type or model smoke alarm.
- Connect smoke alarms to a single AC branch circuit. If local codes do not permit, be sure the neutral wire is common to both phases.

RED AND GREEN LED INDICATORS

This smoke alarm features separate red and green LED indicators. The LEDs indicate the following:

GREEN LED

ON — AC power is present.

OFF — AC power is not present.

RED LED

— can be seen through the push to test button.

— indicating normal operation.

Blinks once a minute

— smoke alarm senses smoke and simultaneously sounds an audible alarm.

Blinks once a second

Blinks once every 10 seconds — smoke alarm is quieting an unwanted alarm (Model ADC only—ionization with False Alarm Control™).

(Interconnected system only):

OFF — another smoke alarm in the network has sensed smoke and is signalling this alarm.

FALSE ALARM CONTROL™

Model ADC features a False Alarm Control™ that, when activated, quiets unwanted alarms for up to 15 minutes.

To use the False Alarm Control™:

Press and release the test button during an unwanted alarm. The alarm should stop within ten seconds. This means the smoke alarm is in False Alarm Control™. Just before returning to normal operation, the smoke alarm will sound two short beeps. This signals the end of False Alarm Control™.

If the smoke alarm does not go into False Alarm Control™ and continues to sound its loud, alarm horn, the smoke is too heavy and could be a possibly dangerous situation— take emergency action.

TESTING THE SMOKE ALARM



W A R N I N G

- Test each smoke alarm to be sure it is installed correctly and operating properly.
- Test all smoke alarms in an interconnected system after installation.
- The Push-to-Test button accurately tests all functions. DO NOT use an open flame to test this smoke alarm. You may ignite and damage the smoke alarm or your home.
- Test smoke alarms weekly and upon returning from vacation or when no one has been in the household for several days.
- Stand at arm's length from the smoke alarm when testing. The alarm horn is loud to alert you to an emergency and can be harmful to hearing.

Test all smoke alarms weekly by doing the following:

1. Observe the green LED. A constant green light indicates the smoke alarm is receiving 120V AC power.
2. Firmly depress the Push-to-Test button for at least five (5) seconds. The smoke alarm will sound a loud beep about four (4) times a second. The alarm may sound for up to 10 seconds after releasing the Push-to-Test button.

NOTE: If smoke alarms are interconnected, all smoke alarms should sound an alarm within three seconds after any test button is pushed and the tested smoke alarm sounds.

3. If smoke alarm does not sound, turn off power at main fuse box or circuit breaker and check wiring. Retest smoke alarm.



DANGER: If alarm horn sounds, and smoke alarm is not being tested, the smoke alarm is sensing smoke. THE SOUND OF THE ALARM HORN REQUIRES YOUR IMMEDIATE ATTENTION AND ACTION.

MAINTENANCE AND CLEANING

In addition to weekly testing, this smoke alarm requires yearly battery replacement and periodic cleaning to remove dust, dirt, and debris.

⚠ DANGER: ELECTRICAL SHOCK HAZARD. Turn off power at main service panel by removing fuse or switching appropriate circuit breaker to OFF position before replacing battery or cleaning smoke alarm.

BATTERY REPLACEMENT

Always turn off power to smoke alarm before replacing battery. Replace battery at least once a year, or immediately when the low battery signal sounds (a beep once per minute indicates low battery). Batteries should be replaced regularly as necessary, even when the smoke alarm is receiving AC power.

Use only the following batteries as replacements in this smoke alarm: Eveready 216, 522, 1222, Duracell MN 1604, or Ultralife U9VL-J

⚠ WARNING: DO NOT USE ANY OTHER TYPE OF BATTERY, EXCEPT AS SPECIFIED IN THIS MANUAL. DO NOT USE RECHARGEABLE BATTERIES.

1. Turn off power to smoke alarm at main service panel.
2. Turn smoke alarm counter-clockwise to detach from mounting plate.
3. Gently pull down smoke alarm. Be careful not to separate wire connections.
4. Pull out power plug from back of smoke alarm.
5. From back of smoke alarm, lift tab to open battery pocket door.
6. Remove battery from pocket. Disconnect and discard drained battery from battery connector.
7. Connect a fresh, 9-volt battery to connector. The battery will fit only one way. Be sure battery connector is securely attached to battery terminals.
8. Place battery into battery pocket.
9. Close battery pocket door. **Push down until it snaps into place.**
10. Replace connector plug. Connector will "snap" into place. Gently tug connector to be sure it is attached properly.
11. Reattach smoke alarm to mounting plate by turning smoke alarm clockwise until it snaps into plate.
12. Turn on power and test smoke alarm using Push-to-Test button.

CLEANING

Clean the smoke alarm at least once a month to remove dust, dirt, or debris. Always turn off power to smoke alarm before cleaning.

- Using the soft brush or wand attachment to a vacuum cleaner, vacuum all sides and cover of smoke alarm. Be sure all the vents are free of debris.
- If necessary, turn off power and use a damp cloth to clean smoke alarm cover.
- Do not spray smoke alarm with cleaners. Always place cleaners on cloth first, then wipe smoke alarm with cloth.

IMPORTANT: Do not attempt to remove the cover or clean inside the smoke alarm. THIS WILL VOID YOUR WARRANTY.

REPAIR

▲ CAUTION: Do not attempt to repair this smoke alarm. Doing so will void your warranty.

If smoke alarm is not operating properly, see "Troubleshooting". If necessary and if still under warranty, return smoke alarm to Maple Chase Company. Pack it in a well-padded carton, shipping prepaid, to:

Maple Chase Company
Product Service Department
2820 Thatcher Road
Downers Grove, IL 60515-4040

If the smoke alarm is no longer under warranty, have a licensed electrician replace the smoke alarm immediately with a comparable Firex brand smoke alarm.

PRACTICE FIRE SAFETY

If the smoke alarm sounds its alarm horn, and you have not pushed the test button, it is warning of a dangerous situation. Your immediate response is necessary. To prepare for such occurrences, develop family escape plans, discuss them with ALL household members, and practice them regularly.

- Expose everyone to the sound of a smoke alarm and explain what the sound means.
- Determine TWO exits from each room and an escape route to the outside from each exit.
- Teach all household members to touch the door and use an alternate exit if the door is hot. **INSTRUCT THEM NOT TO OPEN THE DOOR IF THE DOOR IS HOT.**
- Teach household members to crawl along the floor to stay below dangerous smoke, fumes, and gases.
- Determine a safe meeting place for all members outside the building.

WHAT TO DO IN CASE OF A FIRE

1. **Don't panic; stay calm.**
2. **Leave the building as quickly as possible. Touch doors to feel if they are hot before opening them. Use an alternate exit if necessary. Crawl along the floor, and DO NOT stop to collect anything.**
3. **Meet at a pre-arranged meeting place outside the building.**
4. **Call the fire department from OUTSIDE the building.**
5. **DO NOT GO BACK INSIDE A BURNING BUILDING. Wait for the fire department to arrive.**

These guidelines will assist you in the event of a fire. However, to reduce the chance that fires will start, practice fire safety rules and prevent hazardous situations.

TROUBLESHOOTING

⚠ DANGER: Always turn off power at main fuse box or circuit breaker before taking troubleshooting action.

⚠ WARNING: DO NOT disconnect battery or AC power to quiet an unwanted alarm. This will remove your protection. Fan the air or open a window to remove smoke or dust.

PROBLEM	SOLUTION
Smoke alarm does not sound when tested. NOTE: Push test button for at least five (5) seconds while testing!	<ul style="list-style-type: none">- Check that AC power is turned on.- Turn off power. Remove smoke alarm from mounting plate and:<ol style="list-style-type: none">a. check that connector plug is securely attached.b. check that battery is properly attached to connector.- Clean smoke alarm.
Smoke alarm beeps about once a minute.	<ul style="list-style-type: none">- Turn off power and replace battery. (See "Battery Replacement" in the "MAINTENANCE AND CLEANING" section.)
Smoke alarm sounds unwanted alarms intermittently or when residents are cooking, taking showers, etc.	<ul style="list-style-type: none">- Hire an electrician to move smoke alarm to a new location. See "SMOKE ALARM PLACEMENT"- Clean smoke alarm. See "Cleaning" in the "MAINTENANCE AND CLEANING" section.
Interconnected smoke alarms do not sound when system is tested.	<ul style="list-style-type: none">- Press and hold test button for at least three seconds after the first unit sounds.
The alarm sounds different than I'm used to. It starts and stops.	<ul style="list-style-type: none">- The alarm is operating correctly. This alarm features the internationally recognized horn signal for evacuation. The horn pattern is 3 short beeps followed by a 2 second pause and then repeats.

WARRANTY INFORMATION

5-YEAR LIMITED SMOKE ALARM WARRANTY AND 10-YEAR LIMITED ULTRALIFE U9VL-J LITHIUM BATTERY WARRANTY (WHEN SOLD WITH MAPLE CHASE COMPANY SMOKE ALARM)

Maple Chase Company warrants to the original consumer purchaser each new smoke alarm to be free from defects in material and workmanship under normal use and service for a period of five (5) years from the date of purchase. For Maple Chase Company smoke alarms sold with an Ultralife U9VL-J 9-volt battery, Maple Chase Company warrants to the original consumer purchaser each new Ultralife U9VL-J 9-volt battery to be free from defects in material and workmanship under normal use and service for a period of ten (10) years from the date of purchase. Maple Chase Company agrees to repair or replace, at its option, any defective smoke alarm or Ultralife U9VL-J 9-volt battery (when sold with Maple Chase smoke alarm) provided that it is returned with postage prepaid and with proof of purchase date to Maple Chase Company. This warranty does not cover damage resulting from accident, misuse or abuse or lack of reasonable care of the product. This warranty is in lieu of all other express warranties, obligations or liabilities. THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED TO A PERIOD OF FIVE (5) YEARS FOR THE SMOKE ALARM AND TEN (10) YEARS FOR THE ULTRALIFE LITHIUM U9VL-J 9-VOLT BATTERY (WHEN SOLD WITH MAPLE CHASE SMOKE ALARM) FROM PURCHASE DATE. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you. IN NO CASE SHALL MAPLE CHASE COMPANY BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WHATSOEVER, EVEN IF THE LOSS OR DAMAGE IS CAUSED BY ITS NEGLIGENCE OR FAULT. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other legal rights which vary from state to state.

This smoke alarm's manufacture and distribution are licensed by the U.S. Nuclear Regulatory Commission.

This product meets all the requirements of U.L. Standard 217.

WHERE TO SEND YOUR SMOKE ALARM FOR SERVICE

To return smoke alarms under warranty, send the smoke alarm with postage prepaid, a note describing the nature of the difficulty, and proof of date of purchase to:

Maple Chase Company
2820 Thatcher Road
Downers Grove, Illinois 60515
United States of America

An Invensys company

To return Ultralife 10-year lithium batteries under warranty, include the lithium battery, a note describing the nature of the difficulty, with proof of date of purchase, postage and return postage prepaid to:

ULTRALIFE BATTERIES, INC.
c/o MAPLE CHASE COMPANY
P.O. Box 622
1350 Route 88 South
Newark, NY 14513