

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

CITY OF PORTLAND

BUILDING INSPECTION PERMIT

Please Read Application And Notes, If Any, Attached

PERMIT ISSUED Permit Number: 060311 APR - 4 2006 CITY OF PORTLAND

This is to certify that ZIMBLE ANDREA J & PA C FARRAR JTS/Snow Constructio has permission to interior modifications to enlarge owner occupied 1st floor unit by expanding into the back of the second floor AT 46 DEERING ST PERMIT NO. 047 C012001

provided that the person or persons in charge of the work accepting this permit shall comply with all of the provisions of the Statutes of the State and of the Ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in this department.

Apply to Public Works for street line and grade if nature of work requires such information.

Notification of inspection must be given and when permission is granted before this building or part thereof is opened or being closed-in. 4 OUR NOTICE REQUIRED

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

OTHER REQUIRED APPROVALS

Fire Dept. CREG CARR 3-30-0 Health Dept. Appeal Board Other Department Name

Signature: [Handwritten Signature] 3/31/06 Director - Building & Inspection Services

PENALTY FOR REMOVING THIS CARD

**City of Portland, Maine - Building or Use Permit Application**

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

Permit No: 06-0311	Issue Date: <b>PERMIT ISSUED</b> APR - 7 2006	CBL: 047, C012001
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Location of Construction: 46 DEEIUNG ST	Owner Name: ZIMBLE ANDREA J & PAUL C F	Owner Address: 46 DEERING ST APT #4	Phone: 207 874 10319
Business Name:	Contractor Name: Snow Construction	Contractor Address: P.O. Box 1795 Portland	Phone: 207 874 10319
Lessee/Buyer's Name	Phone:	Permit Type: Alterations - Multi Family	Zone: R6

Past Use: 3 unit residential  <i>legal use: 3 units</i>	Proposed Use: 3 unit residential interior modifications to enlarge owner occupied first floor unit by expanding into the back of the second floor unit	Permit Fee: \$291.00	Cost of Work: \$30,000.00	CEO District: 2
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Proposed Project Description: interior modifications to enlarge owner occupied first floor unit by expanding into the back of the second floor unit	FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied  <i>see conditions</i>	INSPECTION: Use Group: R2 Type: 30 3/31/06 Signature: <i>[Signature]</i>
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Permit Taken By: Idobson	Date Applied For: 03/07/2006	<b>Zoning Approval</b>
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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..	Special Zone or Reviews <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan  Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> <i>OK w/conditions</i> Date: 3/27/06 <i>ARU</i>	Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied  Date:	Historic Preservation <input type="checkbox"/> Not in District or Landmark Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied  <i>Any exterior work requires a separate review &amp; approval thru Historic Preservation</i>
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**CERTIFICATION**

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

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE		DATE	PHONE



# General Building Permit Application

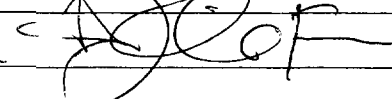
If you or the property owner owes real estate or personal property taxes or user charges on **any** property within the City, payment arrangements must be made before permits of any kind are accepted.

<b>DEER</b>					
Total Square Footage of Proposed Structure			Square Footage of Lot <b>2926</b>		
Tax Assessor's Chart, <b>Block &amp; Lot</b> Chart#      Block#      Lot# <b>@47      C      012</b>	Owner: <b>Andrea J. Zimble Paul C. Farrar</b>		Telephone: <b>207-775-2159</b>		
Lessee/Buyer's Name (If Applicable)	Applicant name, address & telephone: <b>same as above</b>		Cost Of Work: <b>\$30,000</b>		Fee: <b>\$291<sup>00</sup>/w</b>
Current Specific use: <b>3-unit apartment building</b>			C of O Fee: \$ _____		
Proposed Specific use: <b>3-unit apartment building with division modifications</b>					
Project description: <b>To enlarge owner occupied unit on first floor by including a portion of the second floor unit accessible by a new stair. Adding a bathroom and modifying some wall locations in the back section of the second floor.</b>					
Contractor's name, address & telephone: <b>Smith Construction P.O. Box 1795, Portland, ME 04104</b>					
Who should we contact when the permit is ready: <b>Andrea Zimble-Farrar</b>					
Mailing address: <b>46 Deering St. Portland ME 04101</b>		Phone: <b>207-775-2159</b>		<b>(207) 671-0319</b>	

**Please submit all of the information outlined in the Commercial Application Checklist. Failure to do so will result in the automatic denial of your permit.**

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information visit us on-line at [www.portlandmaine.gov](http://www.portlandmaine.gov), stop by the Building Inspections office, room 315 City Hall or call 874-8703.

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work 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: 	Date: <b>3/7/06</b>
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This is **not** a permit; you may **not** commence **ANY** work until the permit is issued.

# City of Portland, Maine - Building or Use Permit

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

<b>Permit No:</b> 06-0311	<b>Date Applied For:</b> 03/07/2006	<b>CBL:</b> 047 C012001
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<b>Location of Construction:</b> 46 DEERING ST	<b>Owner Name:</b> ZIMBLE ANDREA J & PAUL C F	<b>Owner Address:</b> 46 DEERING ST APT #2	<b>Phone:</b>
<b>Business Name:</b>	<b>Contractor Name:</b> Snow Construction	<b>Contractor Address:</b> P.O. Box 1795 Portland	<b>Phone:</b> (207) 671-0319
<b>Lessee/Buyer's Name</b>	<b>Phone:</b>	<b>Permit Type:</b> Alterations - Multi Family	

<b>Proposed Use:</b> 3 unit residential/ interior modifications to enlarge owner occupied first floor unit by expanding into the back of the second floor unit	<b>Proposed Project Description:</b> interior modifications to enlarge owner occupied first floor unit by expanding into the back of the second floor unit
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**Dept:** Building      **Status:** Approved with Conditions      **Reviewer:** Mike Nugent      **Approval Date:** 03/31/2006

**Note:** **Ok to Issue:**

- 1) Wall and floor assemblies separating units from one another or from common areas must have a one hour fire rating and a sound transmission class of 50. This detail must be provided prior to commencement of framing.
- 2) Spiral Stair Risers must have openings less than 4 inches (see exception 1 of 1009.3.2 of the IBC 2003)  
  
Handrails/guards along the stairs must be graspable and 34 to 38 inches in height as measured from the leading nose of the tread, with openings less than 4 inches
- 3) The proposed LVL support on existing masonry must be done to protect the LVL from deterioration in accordance with the manufacturer's specs, this information must be provided prior to framing.
- 4) All of these conditions were discussed with and agreed upon by Snow Builders.

**Dept:** Fire      **Status:** Approved with Conditions      **Reviewer:** Cptn Greg Cass      **Approval Date:** 03/27/2006

**Note:** **Ok to Issue:**

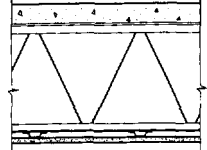
- 1) Means of egress from each apartment shall be separate and remote.  
The plans indicate the two staircases should be separated by 1 hour rated construction.

**QUICK SELECTOR FOR FIRE AND SOUND RATED SYSTEMS**

**Veneer Plaster Floor/Ceiling-Wood Joists (cont'd)** (CAD FILE NAME GOLDF DWG OR GOLDF DXF)

No.	Fire Rating	Ref.	Design No.	Description	STC	Test No.	IIC
TRIPLE LAYER (floor truss)							
5	2 hr	UL	L538	5/8" (15.9 mm) Fire-Shield C Kal-Kore, base layer screw attached perpendicular to bottom chord of 9 1/2" (241.3 mm) deep "I" shaped wood joist spaced 19 2" (487.7 mm) o.c. Resilient furring channel or 7/8" (22.2 mm) deep furring channel spaced 16" o.c. screw attached through base layer into and at right angles to joist 5/8" (15.9 mm) Fire-Shield C Kal-Kore, middle and face layers screw attached perpendicular to resilient furring channel or 7/8" (22.2 mm) deep furring channel 5/8" (15.9 mm) T & G plywood floor sheathing			No Carpet Carpet & Pad

**Veneer Plaster Floor/Ceiling-Steel Framing** (CAD FILE NAME GOLDDG DWG OR GOLDDG DXF)

2 hr		UL	G503	5/8" (15.9 mm) Fire-Shield Kal-Kore secured to furring channels spaced 12" o.c. (305 mm) with 1" (25.4 mm) screws 8' o.c. (203 mm) Concrete floor 2 1/2" (63.5 mm)	53	(Direct) Based on NGC 4075	21 Based on NGC 5121	67 Based on NGC 5122
					57	(Susp) Based on NGC 4078	28 Based on NGC 5126	75 Based on NGC 5127
2	2 hr	UL	G514 (3 hr beam)	1/2" (12.7 mm) Fire-Shield C Kal-Kore secured to furring channels spaced 24" o.c. (610 mm) overall and 12" o.c. (305 mm) at butt joints with screws 12" o.c. (305 mm) Concrete floor 2 1/2" (63.5 mm)	53	(Direct) NGC 4075	21 NGC 5121	67 NGC 5122
					57	(Susp) Based on NGC 4078	28 Based on NGC 5126	75 Based on NGC 5127
3	1 hr.	OSU	T-1936	5/8" (15.9 mm) Fire-Shield Kal-Kore secured to furring channels spaced 24" o.c. (610 mm) overall and 12" o.c. (305 mm) at butt joints attached to bar joists spaced 24" o.c. (610 mm). Concrete floor 2" (51 mm).	53	Based on NGC 4075	21 Based on NGC 5121	67 Based on NGC 5122

**Gypsum Wallboard Partitions-Wood Framing (load-bearing)** (CAD FILE NAME GOLDH.DWG OR GOLDH.DXF)

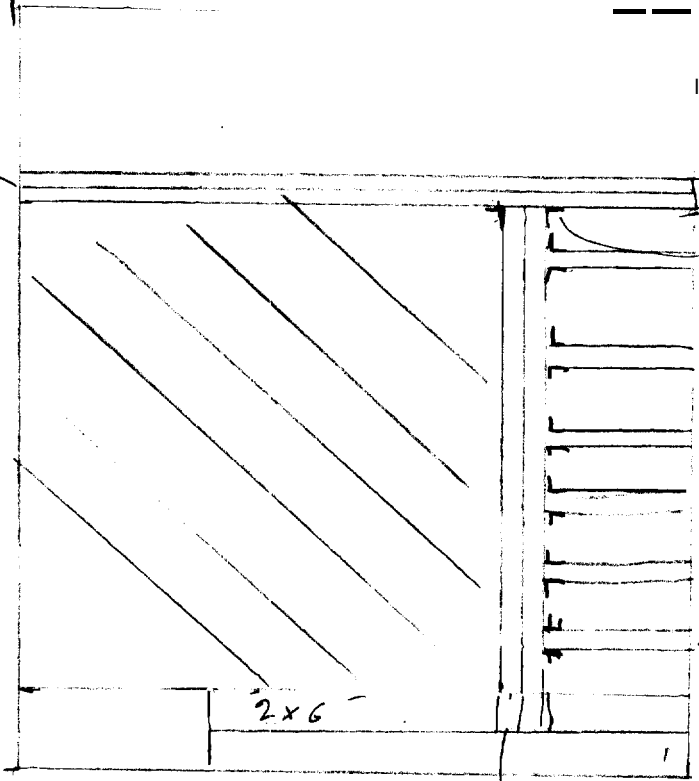
No.	Fire Rating	Ref.	Design No.	Description	STC	Test No.
SINGLE LAYER						
<b>FIRE - SOUND</b>						
1	45 min.	UL	U317	1/2" (12.7 mm) Fire-Shield C Gypsum Wallboard nailed both sides 2 x 4 (38 mm x 89 mm) studs, 16" o.c. (406 mm).	34	NGC 2161
	hr	UL GA	U305 WP 3605	5/8" (15.9 mm) Fire-Shield Gypsum Wallboard or 5/8" (15.9 mm) Fire-Shield MR Board nailed both sides 2 x 4 (38 mm x 89 mm) wood studs, 16" o.c. (406 mm)	35	NGC 2403
3	1 hr.	UL GA	U309 WP 3510	5/8" (15.9 mm) Fire-Shield Gypsum Wallboard or 5/8" (15.9 mm) Fire-Shield MR Board nailed both sides 2 x 4 (38 mm x 89 mm) studs, 24" o.c. (610 mm).	38	NGC 2404
4	hr	UL	U340	5/8" (15.9 mm) Fire-Shield Wallboard nailed or screwed 7" o.c. (178 mm) to 2x4 (51 mm x 102 mm) wood studs 24" o.c. (610 mm) staggered 12" o.c. (305 mm) Single 6" (152 mm) plate. Sound rating with 3 1/2" (88.9 mm) glass fiber in cavity	45	Based on NGC 2375
5	hr	WHI GA	694-0200 Based on WP 3230	5/8" (15.9 mm) Fire-Shield C Gypsum Wallboard, screw applied to Resilient Furring Channel spaced 24" o.c. (610 mm) one side only, on 2 x 4 (38 mm x 89 mm) studs spaced 24" o.c. (610 mm) Other side 5/8" (15.9 mm) Fire-Shield C Gypsum Wallboard screw attached direct to studs 3" (76 mm) mineral wool (3 pcf) in stud cavity	50	Based on TL 77-138

PLEASE GIVE OUT TO CUSTOMER



Top view

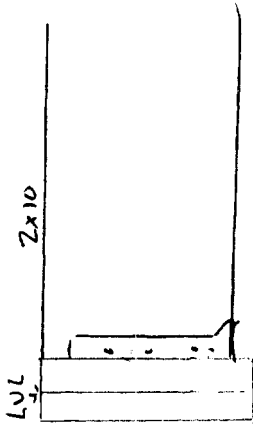
Double existing  
2x10 2x10



Simpson  
Top mount  
Hanger

Existing  
2x10  
w/ Simpson  
Hangers

Double  
1 3/4" L.V.L.  
x 11 7/8"  
Bearing  
on  
wall  
Below



1/2" = 1'

2. Solid risers are not required for occupancies in Group I-3.

**1009.4 Stairway landings.** There shall be a floor or landing at the top and bottom of each stairway. The width of landings shall not be less than the width of stairways they serve. Every landing shall have a minimum dimension measured in the direction of travel equal to the width of the stairway. Such dimension need not exceed 48 inches (1219 mm) where the stairway has a straight run.

**Exceptions:**

1. Aisle stairs complying with Section 1024.
2. Doors opening onto a landing shall not reduce the landing to less than one-half the required width. When fully open, the door shall not project more than 7 inches (178 mm) into a landing.

**1009.5 Stairway construction.** All stairways shall be built of materials consistent with the types permitted for the type of construction of the building, except that wood handrails shall be permitted for all types of construction.

**1009.5.1 Stairway walking surface.** The walking surface of treads and landings of a stairway shall not be sloped steeper than one unit vertical in 48 units horizontal (2-percent slope) in any direction. Stairway treads and landings shall have a solid surface. Finish floor surfaces shall be securely attached.

**Exception:** In Group F, H and S occupancies, other than areas of parking structures accessible to the public, openings in treads and landings shall not be prohibited provided a sphere with a diameter of  $1\frac{1}{8}$  inches (29 mm) cannot pass through the opening.

**1009.5.2 Outdoor conditions.** Outdoor stairways and outdoor approaches to stairways shall be designed so that water will not accumulate on walking surfaces. In other than occupancies in Group R-3, and occupancies in Group U that are accessory to an occupancy in Group R-3, treads, platforms and landings that are part of exterior stairways in climates subject to snow or ice shall be protected to prevent the accumulation of same.

**1009.6 Vertical rise.** A flight of stairs shall not have a vertical rise greater than 12 feet (3658 mm) between floor levels or landings.

**Exception:** Aisle stairs complying with Section 1024.

**1009.7 Circular stairways.** Circular stairways shall have a minimum tread depth and a maximum riser height in accordance with Section 1009.3 and the smaller radius shall not be less than twice the width of the stairway. The minimum tread depth measured 12 inches (305 mm) from the narrower end of the tread shall not be less than 11 inches (279 mm). The minimum tread depth at the narrow end shall not be less than 10 inches (254 mm).

**Exception:** For occupancies in Group R-3, and within individual dwelling units in occupancies in Group R-2, both as applicable in Section 101.2.

**1009.8 Winders.** Winders are not permitted in means of egress stairways except within a dwelling unit.

**1009.9 Spiral stairways.** Spiral stairways are permitted to be used as a component in the means of egress only within dwelling units or from a space not more than 250 square feet (23 m<sup>2</sup>) in area and serving not more than five occupants, or from galleries, catwalks and gridirons in accordance with Section 1014.6.

*Case*

A spiral stairway shall have a 7.5-inch (191 mm) minimum clear tread depth at a point 12 inches (305 mm) from the narrow edge. The risers shall be sufficient to provide a headroom of 78 inches (1981 mm) minimum, but riser height shall not be more than 9.5 inches (241 mm). The minimum stairway width shall be 26 inches (660 mm).

**1009.10 Alternating tread devices.** Alternating tread devices are limited to an element of a means of egress in buildings of Groups F, H and S from a mezzanine not more than 250 square feet (23 m<sup>2</sup>) in area and which serves not more than five occupants; in buildings of Group I-3 from a guard tower, observation station or control room not more than 250 square feet (23 m<sup>2</sup>) in area and for access to unoccupied roofs.

**1009.10.1 Handrails of alternating tread devices.** Handrails shall be provided on both sides of alternating tread devices and shall conform to Section 1009.11.

**1009.10.2 Treads of alternating tread devices.** Alternating tread devices shall have a minimum projected tread of 5 inches (127 mm), a minimum tread depth of 8.5 inches (216 mm), a minimum tread width of 7 inches (178 mm) and a maximum riser height of 9.5 inches (241 mm). The initial tread of the device shall begin at the same elevation as the platform, landing or floor surface.

**Exception:** Alternating tread devices used as an element of a means of egress in buildings from a mezzanine area not more than 250 square feet (23 m<sup>2</sup>) in area which serves not more than five occupants shall have a minimum projected tread of 8.5 inches (216 mm) with a minimum tread depth of 10.5 inches (267 mm). The rise to the next alternating tread surface should not be more than 8 inches (203 mm).

**1009.11 Handrails.** Stairways shall have handrails on each side. Handrails shall be adequate in strength and attachment in accordance with Section 1607.7. Handrails for ramps, where required by Section 1010.8, shall comply with this section.

**Exceptions:**

1. Aisle stairs complying with Section 1024 provided with a center handrail need not have additional handrails.
2. Stairways within dwelling units, spiral stairways and aisle stairs serving seating only on one side are permitted to have a handrail on one side only.
3. Decks, patios and walkways that have a single change in elevation where the landing depth on each side of the change of elevation is greater than what is required for a landing do not require handrails.
4. In Group R-3 occupancies, a change in elevation consisting of a single riser at an entrance or egress door does not require handrails.

**PERMIT ISSUED**  
MAY 9 1985  
CITY OF PORTLAND

**APPLICATION FOR PERMIT**

B.O.C.A. USE GROUP

B.O.C.A. TYPE OF CONSTRUCTION

ZONING LOCATION

PORTLAND, MAINE MAY 1, 1985

0 425

The undersigned hereby applies for a permit to erect, alter, repair, demolish, move or install the following building, structure, equipment or change use in accordance with the Laws of the State of Maine, the Portland B.O.C.A. Building Code and Zoning Ordinance of the City of Portland with plans and specifications, if any, submitted herewith and the following specifications:

1. Owner's name and address Fred V Sorbier - 335 Forester Rd, Falmouth, Telephone W 773-5806
2. Lessee's name and address Allen Property - 224 Coyia St, Telephone 774-5546
3. Contractor's name and address

Proposed use of building multi-family  
Lag use same  
Material No. stories Heat  
Style of roof Roofing  
No. families 3  
No. families 3  
No. of floors

Estimated structural cost \$ 2,400  
FIELD INSPECTOR—Mr. @ 775-5451  
Appeal Fee 25.00  
Bath Fee  
Lift Fee

TO ERCT WOODEN FIRE ESCAPE (PRESSURE TREATED)  
ON REAR OF BUILDING TO SERVE ROOF TO GROUND LEVEL  
PER PLANS. 1 SHEET OF PLANS.  
SEND PERMIT TO # 3 04103

**NOTE TO APPLICANT: Separate permits are required for plumbing and subcontractors of heating, plumbing, electrical and mechanical.**

**DETAILS OF PLUMBING:**  
Is any plumbing involved in this work?  
Is connection to be made to public sewer?  
Has septic tank notice been sent?  
Height average grade to top of plate  
Size, front depth  
Material of foundation  
Kind of roof  
No. of chimneys  
Material of chimney  
Details of plumbing  
Columns under roof  
Studs (outside walls and carrying partitions)  
Joists and rafters  
On center  
In floor  
Maximum span  
If one story building with masonry walls, masonry walls

**APPROVALS BY:**  
BUILDING INSPECTION—PLAN EXAMINER  
ZONING  
BUILDING CODE  
FIRE DEPT  
HEALTH DEPT  
OPEN

No. cars now recommended on same lot  
Will automatic reporting be done?  
APPROVALS BY:

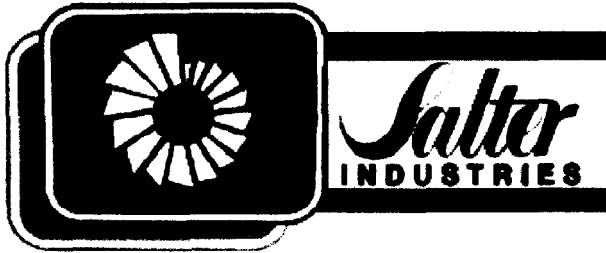
APPROVALS BY:  
BUILDING INSPECTION—PLAN EXAMINER  
ZONING  
BUILDING CODE  
FIRE DEPT  
HEALTH DEPT  
OPEN

APPROVALS BY:  
BUILDING INSPECTION—PLAN EXAMINER  
ZONING  
BUILDING CODE  
FIRE DEPT  
HEALTH DEPT  
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HEALTH DEPT  
OPEN

APPROVALS BY:  
BUILDING INSPECTION—PLAN EXAMINER  
ZONING  
BUILDING CODE  
FIRE DEPT  
HEALTH DEPT  
OPEN





phone: 610.489.5799

800.368.8280

fax: 610.489.9286

105 GP Clement Dr. Collegeville, PA 19426

#### Request Literature

Online PDF  
Brochures

Spiral Stairs

Steel & Al. Tech.

Wood Stairs

Price List



#### Reauest Free Quote

#### Products

Classic Steel Stairs

Forged Iron Stairs

Wood Stairs

Exterior Stairs

Aluminum

Exterior Stairs

Galvanized

#### Installation

Steel Stair Adjustable  
Sleeve Installation

Steel Stair Continuous  
Sleeve Installation

#### Technical Information

Steel & Aluminum  
Technical Spec's

Wood Stair  
Technical Spec's  
National Codes

#### Company Information

About Us

Design Info

News

## Code Specifications

Salter's Code Stair Packages will address each of the requirements that are listed below. This information will apply to the BOCA Code, UBC Code and the CABO Code. **Please be aware that the CABO Code has a misprint and the correction is listed in the back of your inspector's Handbook. The misprint did not allow for the riser height of 9 1/2".**

1. Minimum clear walking path 26 , 5 ft. diameter or larger.
2. Tread will have a minimum of 7 1/2", 12" out from the narrow edge of the tread.
3. Minimum headroom of 6'6", measuring plumb from the edge of the platform down to the tread below.
4. The rise will not be more than 9 1/2".
5. The stairway shall be equipped with one handrail on the wide edge of the tread.
6. The handrail, in individual dwelling units, not less than 34" and not more than 38", measured vertically above the nosing of the tread and landing. ( BOCA is 30" up to 38" )
7. Balusters shall be spaced so a 4" object cannot pass between the balusters.
8. Balcony railings will be 36" or above.
9. Landing width ( that Salter supplies ) shall not be less than the required width of the stairway. Minimum spiral stair tread width is 26".
10. 1 1/2" OD. Aluminum, Brass or 1 3/4" wide x 2" tall oak

[Puchasing Info](#)

[Map](#)

[Home](#)

handrail.

11. A 300 lb. concentrated load is required. All Salter stairs are calculated to carry 600 **Ibs.** or more concentrated load.

Please have your inspector review the specifications before placing your order.

Inspector Signature \_\_\_\_\_  
Date \_\_\_\_\_

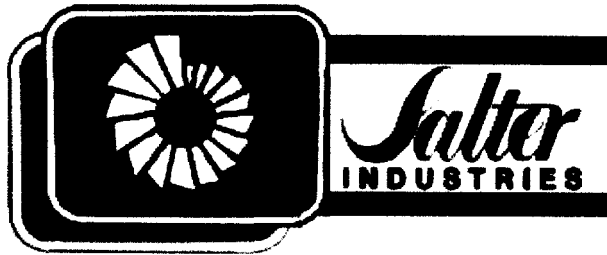
Salter's standard code package will not address the open space between each tread ( open rise stair ). If your code requires, not more than a four inch space in this area, you will need to order our code risers.

Verify what handrail size and shape your inspector will require. Handrail size and shape is becoming a very controversial area within the building code. We recommend that you use our standard 1 1/2" round rails or our 1 3/4" x 2" wood rails for the proper circumference.

[Request Literature](#) | [Classic Steel Spiral Stairs](#) | [Forged Iron Spiral Stairs](#)  
[Exterior Spiral Stairs Aluminum](#) | [Exterior Galvanized Spiral Stairs](#)  
[Steel Stair Installation](#) | [Steel & Aluminum Technical Specs](#)  
[Wood Spiral Stairs](#) | [Wood Stairs Tschnkal Spec's](#) | [About Us](#) | [Design Info](#)  
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Web development by [Net Thing, Inc.](#)



phone: 610.489.5799  
 800.368.8280  
 fax: 610.489.9286  
 105 GP Clement Dr. Collegeville, PA 19426

Request Literature

- Online PDF Brochures
- Spiral Stairs
- Steel & Al. Tech.
- Wood Stairs
- Price List



**Spiral Stairs by Salter Industries.**  
**Stairs of Steel, Wood & Aluminum.**  
**Job Delivered Coast to Coast.**

Request Free Quote

Products

- Classic Steel Stairs
- Forged Iron Stairs
- Wood Stairs
- Exterior Stairs Aluminum
- Exterior Stairs Galvanized

Installation

- Steel Stair Adjustable Sleeve Installation
- Steel Stair Continuous Sleeve Installation

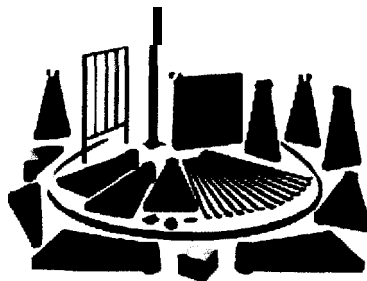
Technical Information

- Steel & Aluminum Technical Spec's
- Wood Stair Technical Spec's
- National Codes

Company Information

- About Us
- Design Info
- News

**Steel Spiral Stair Specifications - Standard Stair Package**



**Includes:**

- (A) Center column, base plate and top cap.
- (B) 1" O.D. steel balusters.
- (C) Adjustable steel treads.
- (D) 1½" O.D. vinyl handrail.
- (E) Platform railing 7/8" O.D. and 1" x 1" frame.
- (F) Steel platform (square).
- (G) 38" tall column extension (not shown).

Diameter	Minimum Finished Well Opening*	Platform Size	Clear Walking Path
3'6"	42 x 42	21 x 21	17"
4'	48 x 48	24 x 24	20"
4'6"	54 x 54	27 x 27	23"
<b>5'</b>	<b>60 x 60</b>	<b>30 x 30</b>	<b>26"</b>
5'6"	66 x 66	33 x 33	29"
6'	72 x 72	36 x 36	32"
6'6"	78 x 78	39 x 39	35"

*\*For best results, add 2 inches for handrail space.*

To determine the number of treads and risers needed for your project, measure **your finished floor to floor** height and refer to the chart below. Since the standard stair packages use 30 or 22 ½ degree treads use the appropriate chart.

Puchasing Info

Map

Home

**30° Treads for Stair Sizes**

**3'6" – 4' – 4'6" – 5'W – 5'6"W – 6'W**

Floor to Floor Height Tread Adjustment		Required Number of		Degree of Rotation
Min.	Max.	Treads	Risers	
85"	95"	9	10	2700
93½"	104½"	10	11	3000
102"	114"	11	12	3300
110½"	123½"	12	13	360°
119"	133"	13	14	390°

W-Wide

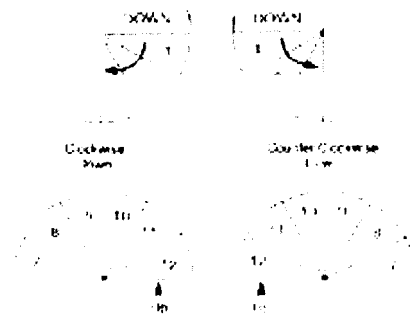
**22½° Treads for Stair Sizes**

**5'S – 5'6"S – 6'S – 6'6"S**

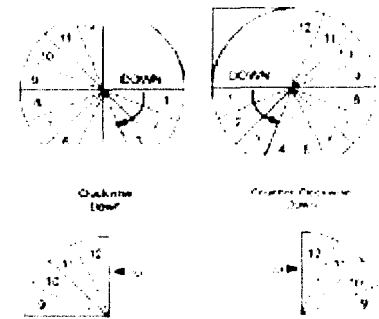
Floor to Floor Height Tread Adjustment		Required Number of		Degree of Rotation
Min.	Max.	Treads	Risers	
82½"	93½"	10	11	2250
90"	102"	11	12	247½°
97½"	110½"	12	13	2700
105"	119"	13	14	292½°
112½"	127½"	14	15	3150

S-Standard

SAMPLE LAYOUTS



SAMPLE LAYOUTS



**Code Stair Package**

If your area is regulated by the National Building Code (BOCA) or the Uniform Building Code (UBC) we can provide conforming spiral stairs. Be aware that your state codes may override aspects of these codes. Before ordering a spiral stair check with your local building inspector for the dimensional requirements. The smallest stair available to still maintain the building code is a 5' diameter. **Salter Industries manufacture this stair package in 5', 5'6" and 6' diameter.**

**BOCA and UBC Code Packages Include:**

- (A) 30° stair treads
- (B) 3 to 4 balusters per tread (maximum spacing of 4"). A 60° platform. This will
- (C) provide a minimum of 6'6" headroom.
- (D) 1½" aluminum handrail with end caps.
- (E) 1 platform rail.

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## Estimate

To: Andrea Farrar  
46 Deering st.  
Portland, ME. 04101

2/11/2006

Job: 46 Deering 2<sup>nd</sup> floor renovations

Estimated work to complete:

Provide labor and materials for the following work items:

Divide 2<sup>nd</sup> floor apartment into 2 spaces, add a bathroom and stairwell access from 1<sup>st</sup> floor.

Includes:

**Demo:**

Cut-out for stairwell between 1<sup>st</sup> and 2<sup>nd</sup> floor.

Remove walls as specified in drawings.

Cut-out floor for plumbing and electrical rough-in.

Demo plaster and drywall as necessary.

Remove and haul away debris.

**Framing:**

Framing for stairwell opening. 2x4, 16" o.c.

Frame walls for dividing between apartments.

Re-frame new walls and blocking as required in drawings.

Frame in bathroom floor to accommodate plumbing.

**Drywall:**

Install new 1/2" drywall on all new walls except where 5/8" fire code drywall is required by code.

Apply 3 coats of joint compound and sand to be ready for painting on all new drywall.

Patch in walls and ceilings as necessary sanded to be ready for paint.

**Finish Carpentry:**

Relocate door to bedroom and trim door.

Install French doors between sunroom and stairwell using existing doors in bedroom and milling and installing new jamb. And installing new trim.

Install 1 hour fire-rated door between 2 apartments and trim.

Provide and install a new door to bathroom and trim.

Relocate new door to bedroom and trim.

Estimate

[Cont]

Install baseboard and mouldings as necessary. (To match existing trim as closely as possible.)

Trim around stairwell opening.

Install and assemble spiral staircase. (Staircase provided by others.)

Install sub-floor and flooring to match existing as close as possible.

Finish flooring with 3 coats of polyurethane.

#### Plumbing;

Rough-in plumbing for a new toilet, sink, tub and heat as specified in drawings.

Install sink, toilet, tub and faucets.

Install finish heat.

Demo and cap-off any gas lines or water lines in walls that we open up.

#### Electrical:

Rough-in wiring for outlets, switches and lighting for bedroom, bathroom and stairwell area.

Install outlets, switches and light fixtures.

Remove or re-route any wiring in areas that are open up during demo.

#### Allowances:

Plumbing:

500.00 For sink, toilet and faucets.

Electrical:

250.00 For light fixtures.

Door Hardware:

150.00 for hinges, passage sets and locksets.

Estimated time frame for job is 4 weeks start to finish.

Total estimated cost for labor and materials: \$30,000

This is an estimate only. Any unforeseen items such as rot, sub-standard framing, structural issues and changes to scope of work, etc. Will be handled with written change orders on a cost plus materials basis or estimated cost per item basis.

[Cont]

This estimate is good for 45 days after receipt of estimate, as prices of goods and services are subject to change. A new estimate will be submitted after 45 days.

## **Snow Construction**

**PO Box 1795 Portland, ME 04104**

**207-671-0319**

**HYPERLINK**

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