

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

CITY OF PORTLAND

Please Read
Application And
Notes, If Any,
Attached

BUILDING DEPARTMENT

PERMIT

Permit Number: 031526

This is to certify that Bryan Suzanne Gardiner & Bryan Point Inc
has permission to Build 128 sq. Ft addition to room, 2nd floor remodeling and replace steps.
AT 9 Cushman St Portland, OR 97201 056 B017001

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of Maine 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 procured before this building or part thereof is occupied or enclosed-in. **HEAVY NOTICE IS REQUIRED.**

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

OTHER REQUIRED APPROVALS

Fire Dept. _____
Health Dept. _____
Appeal Board _____
Other _____
Department Name

Jamie Burke 3/2/04
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:
03-1526

PERMIT ISSUED

Issue Date:

MAR 03 2004

CBL:

056 B017001

Location of Construction: 9 Cushman St	Owner Name: Bryan Suzanne Gardiner &	Owner Address: 9 Cushman St	Phone: 71-0917
Business Name: n/a	Contractor Name: Flying Point Construction	Contractor Address: Topsham	Phone:
Lessee/Buyer's Name n/a	Phone: n/a	Permit Type: Additions - Dwellings	Zone: R6

Past Use: Single Family <i>Duplex 1955 Directory & Bldg Permit # 98-1103</i>	Proposed Use: Single Family / Add 128 sq. Ft. Addition of rear mudroom and entrance, remodel 2nd floor interior and replace main steps. <i>c of use</i>	Permit Fee: \$471.00	Cost of Work: \$50,000.00	CEO District: 2
Proposed Project Description: Build 128 sq. Ft addition to mudroom, 2nd floor remodeling and replace steps.		FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: <i>R3</i> Type: <i>SB</i> <i>600A 1999</i>	
		Signature: <i>JMB 3/2/04</i>		
		PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)		
		Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied		
		Signature: Date:		

Permit Taken By: gg	Date Applied For: 12/19/2003	Zoning Approval		
<ol style="list-style-type: none"> This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules. Building permits do not include plumbing, septic or electrical work. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work.. 		Special Zone or Reviews	Zoning Appeal	Historic Preservation
		<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"/> Date: <i>JMB 3/2/04</i>	<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:	<input type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input checked="" type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date: <i>Approved Per D.A. 3/2/04</i>

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

City of Portland, Maine - Building or Use Permit

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

Permit No:	Date Applied For:	CBL:
03-1526	12/19/2003	056 B017001

Location of Construction:	Owner Name:	Owner Address:	Phone:
9 Cushman St	Bryan Suzanne Gardiner &	9 Cushman St	() 871-0917
Business Name:	Contractor Name:	Contractor Address:	Phone
n/a	Flying Point Construction	Topsham	
Lessee/Buyer's Name	Phone:	Permit Type:	
n/a	n/a	Additions - Dwellings	

Proposed Use:

Change of Use to Single Family / Add 128 sq. Ft. Addition of rear mudroom and entrance, remodel 2nd floor interior and replace main steps.

Proposed Project Description:

Build 128 sq. Ft addition to mudroom, 2nd floor remodeling and replace steps.

Dept: Zoning **Status:** Approved with Conditions **Reviewer:** Jeanine Bourke **Approval Date:** 01/05/2004

Note: 01/05/03 Met w/owners & Marge to discuss questions on submitted plans, both zoning & building. Zoning **Ok to Issue:** ☒
can be approved, but additional info is needed for building approval. The will submit, put on hold.

- 1) ANY exterior work requires a separate review and approval thru Historic Preservation
- 2) This approval is based on sec. 14-433 for reduction of setbacks. The new rear mudroom will be 5.19' from the left side setback and the right side setback will match the existing porch. The existing shed on the right rear will be removed or relocated to meet the minimum 5' setback requirement.
- 3) This permit approves the change of use from a duplex to a single family dwelling. Per the owners, the kitchen on the second floor will be removed and a new bedroom will be created.

Dept: Building **Status:** Approved **Reviewer:** Jeanine Bourke **Approval Date:** 03/02/2004

Note: 1/26/04 returned call to Ed B., left vm. He said he got historic approval and wanted to know what else he **Ok to Issue:** ☒
needed. He needs more detailed construction plans on stairs, rails, etc.

2/6/04 spoke with Ed B. About guardrails on both sets of exterior stairs. The code requires compliant guards on both sets due to the height off grade and # of risers. MJN will need to the exemption application for historic. Ed inquired if the front steps were just repaired, not completely re-built. This would be allowed with not addition from what exists. Ed will submit further details on the rear guardrail & headroom hts. On the basement stairs.

2/24 submitted letter and details to MJN for historic exemption on side steps for no guardrail & other requested details.

3/2 MJN approved exemption, ok to issue permit

- 1) Separate permits are required for any electrical or plumbing work.
- 2) Application approval based upon information provided by applicant. Any deviation from approved plans requires separate review and approval prior to work.

Application for Exemption From Building Code Railing Height Requirements

* Exemptions apply only for designated landmark structures and structures located in historic districts, per BOCA regulations. Requests need approval from both the Historic Preservation and Building Inspections divisions of the Planning Dept.

Applicant

2/12/2004
Application Date

Applicant's Mailing Address

Address of Subject Property

Contact Person/Phone Number

Description of Project (please attach photograph of existing conditions and/or plan of project):

Replace existing concrete at back steps with wood steps.

Please provide the following information:

1. Current Use of Property (If multi-family residence, please indicate # of units):

Single Family

2. Proposed Use, if applicable:

3. The distance from the porch deck to the ground:

23 1/4

4. The number of existing stair risers:

3

5. The current railing height and/or documented original railing height:

34

6. The railing height requested:

No railing

Planning Office Use Only:

Historic Preservation Committee/Staff Recommendation:

Inspections Staff Recommendation:

Exemption Granted ☒

Conditional Exemption ☐

Exemption Denied ☐

Signature

Date:

White - Planning Office

Yellow - Inspections

Pink - Applicant

R 6 Zone

Rear 20' Required 15.12' Shown

Side 10' Req 5.19 & 5' Shown

Sec. 14-433 allows a setback reduction to min. 5' Rear/sides

Right side will not extend further than the existing porch

① Overhang will not occur

② Shed will be moved or removed

③ New edge will be the same as the existing edge.

planner 4/5/04

N/F
LEWIS APTS., LLC
16155/109

AREA
2,683 S.F.

N/F
PORTLAND WEST NEIGHBORHOOD
PLANNING COUNCIL, INC.

N/F
McGEOGHEGAN
12411/2

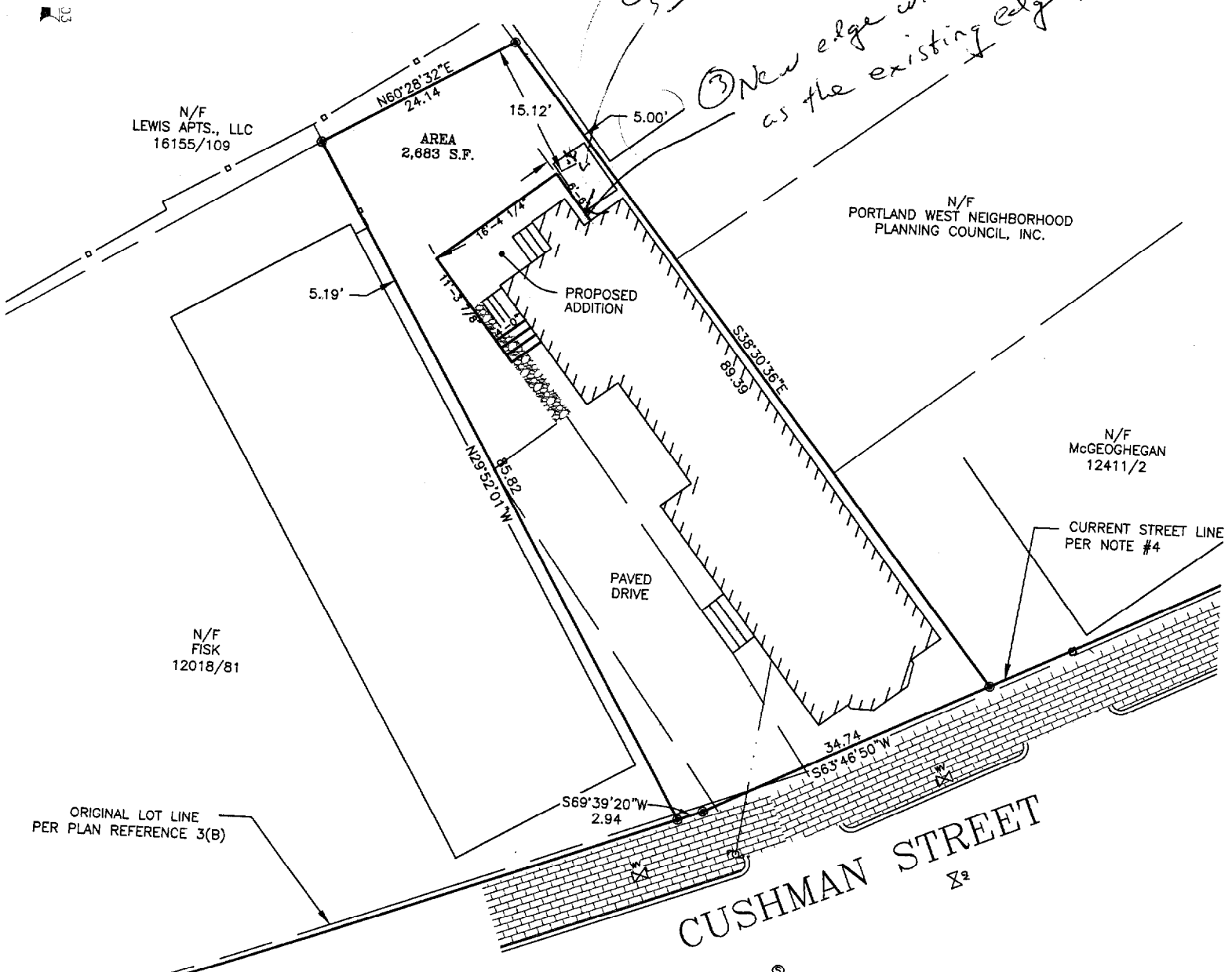
N/F
FISK
12018/81

ORIGINAL LOT LINE
PER PLAN REFERENCE 3(B)

PAVED
DRIVE

CURRENT STREET LINE
PER NOTE #4

CUSHMAN STREET
82



To: Mike Nugent
From: Ed & Suzanne Bryan
Date: February 19, 2004
Re: 9 Cushman St Front/Side Steps: Application for Exemption from Building Code Railing Height Requirements

This memo will outline our reasons for applying for an exemption to the railing height requirements of the City of Portland's building code for the front/side entrance to 9 Cushman Street.

- 1) There is no evidence that handrails ever existed at the front/side steps of 9 Cushman St other than the broken remains of old metal footings discernable in the existing concrete treads. Exactly when these handrails were in place or for how long is unknown.
- 2) The new entrance to be built at the rear of the building will become the primary entrance for the house. This will reduce the amount of traffic up and down the front steps to guests and the postman.
- 3) The height of the top step is 24" above grade. While a fall from any height can result in injury, a two-foot fall is much easier to manage than one from a higher set of stairs. (See accompanying photocopy – Exhibit 1)
- 4) The width of the stairs is 67." Any handrails would be far enough away from the center of the door and mail slot that their use would be unlikely. (See accompanying photocopy – Exhibit 1)
- 5) The placement of handrails on the front steps would result in a dramatic alteration of the historic look of this landmark building. (See accompanying photo – Exhibit 2)
- 6) If we are given the exemption and are allowed to replace the steps without handrails, the new steps will be an improvement over the crumbling brick and concrete that currently exists.

Our goal is to replace the existing concrete and brick steps that are in disrepair with ones that safer, aesthetically pleasing and historically accurate. The addition of handrails will not make the steps significantly safer, will not be as aesthetically pleasing and will be historically inaccurate.

Given the cost of such a project and its impact, it is likely that we will postpone and revisit our plans to replace the steps at a later date.

If you require additional information please do not hesitate to call Ed at work, 781-2260 *4140, or email Ed at ebryan@munis.com.

E

Application for Exemption From Building Code Railing Height Requirements

* Exemptions apply only for designated landmark structures and structures located in historic districts, per BOCA regulations. Requests need approval from both the Historic Preservation and Building Inspections divisions of the Planning Dept.

ED - SUZANNE (R) (A) J
Applicant

Applicant's Mailing Address

Contact Person/Phone Number

2/6/2004

Application Date

90540000
Address of Subject Property

Description of Project (please attach photograph of existing conditions and/or plan of project):

Replace existing concrete and brick steps with wood steps.

Please provide the following information:

1. Current Use of Property (If multi-family residence, please indicate # of units):

Single Family

2. Proposed Use, if applicable: Same

3. The distance from the porch deck to the ground: 23 1/4"

4. The number of existing stair risers: 3

5. The current railing height and/or documented original railing height: N/A

6. The railing height requested: No railing

Planning Office Use Only:

Historic Preservation Committee/Staff Recommendation: Committee Staff recommend
no railing at these steps - per instructions
for original construction. 1/22/04

Inspections Staff Recommendation: OK PER SECTION 3406
OF BOCA CODE

Exemption Granted ☒ Conditional Exemption ☐ Exemption Denied ☐

Signature

Date: 2/2/04

White - Planning Office

Yellow - Inspections

Pink - Applicant

CITY OF PORTLAND, MAINE
HISTORIC PRESERVATION COMMITTEE

January 27, 2004

Stephen Sewall, Chair
Cordelia Pitman, Vice Chair
Edward Hobler
Susan Wroth
Camillo Breggia
Robert Parker
John Turk

Ed and Suzanne Bryan
9 Cushman Street
Portland, Maine 04102

Re: Exterior Alterations and Building Addition; 9 Cushman Street

Dear Mr. and Mrs. Bryan:

On January 21, 2004, the City of Portland's Historic Preservation Committee voted 5-1-1 (Parker opposed; Breggia recused) to approve your application for a Certificate of Appropriateness for exterior alterations and a rear building addition at 9 Cushman Street.

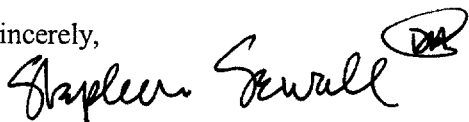
Approval is subject to the following conditions:

- That a pre-construction meeting be scheduled prior to commencing with the project. (Contact Bill Needelman at 874-8722 to arrange the meeting.)
- That the new front entrance stairs be constructed without a handrail, provided Building Inspections approves.
- That the trim details of the new addition match existing details of rear ell.
- That the mudroom addition be based on illustration A-2 in your application. The design shall be revised, however, to include a landing at the top of the stairs and a railing at the landing level.
- That front and rear entrance stairs conform with City specifications, as outlined in Guidelines for Porch Repair and Replacement.

All improvements shall be carried out as shown on the submitted plans and specifications submitted for the 1/21/04 public hearing and/or as described above. Changes to the approved plans and specifications and any additional work that may be undertaken must be reviewed and approved by this office prior to construction, alteration, or demolition. If, during the course of completing the approved work, conditions are encountered which prevent completing the approved work, or which require additional or alternative work, you must apply for and receive a Certificate of Appropriateness or Non-Applicability PRIOR to undertaking additional or alternative work.

This Certificate is granted upon condition that the work authorized herein is commenced within twelve (12) months after the date of issuance. If the work authorized by this Certificate is not commenced within twelve (12) months after the date of issuance or if such work is suspended in significant part for a period of one year after the time the work is commenced, such Certificate shall expire and be of no further effect; provided that, for cause, one or more extensions of time for periods not exceeding ninety (90) days each may be allowed in writing by the Department.

Sincerely,



Stephen Sewall, Chairman
Historic Preservation Committee

cc: Building Inspections

9 Cushman St.
Step Details - Front Entrance

Total length = 35" (2'11")

Total rise = 31" (2'7")

Width = 70"

Materials - Wood

Skirting - 1'x3'

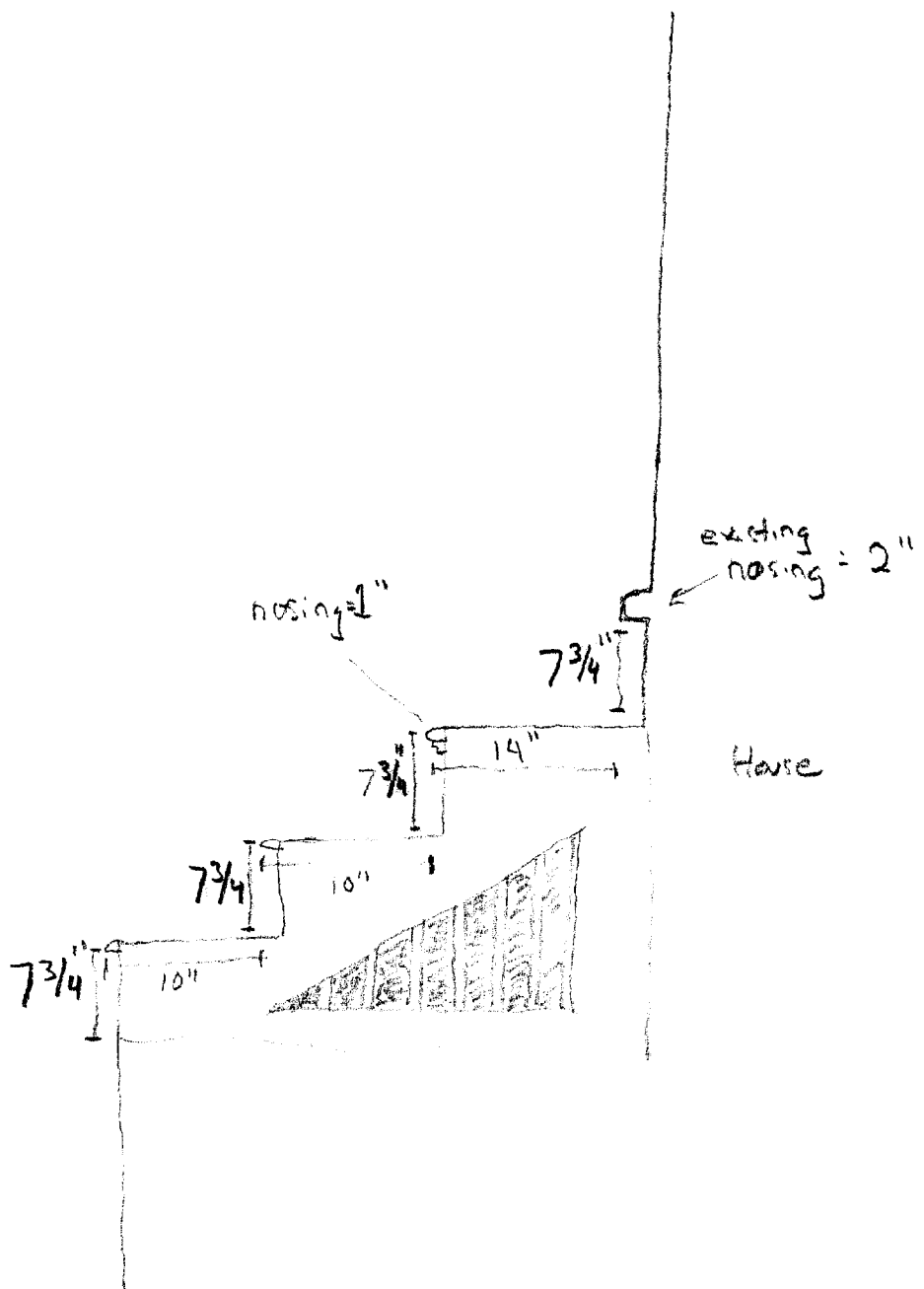




Exhibit 1

Existing front entrance
at 9 Cushman



Exhibit 2

9 Cushman St.
Step Details - Rear Entrance

Total length = 58" (4'10")

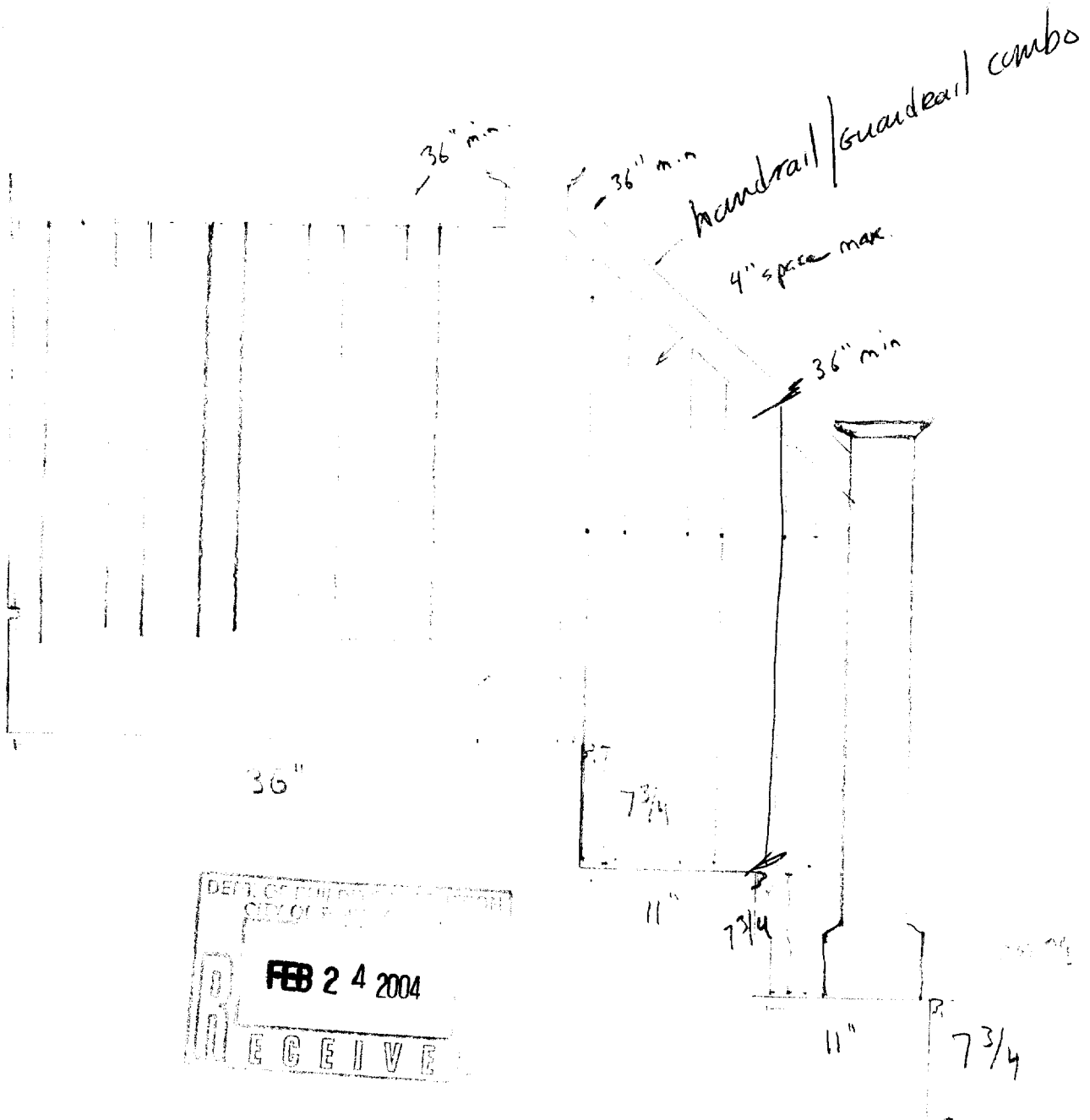
Total rise = 31" (2'7")

Width = 48" (4'0")

Materials - Wood

Distance between balusters = 4" max

Height of handrails = 36" min.



9 Cushman St.
Stair Details - Basement

Basement -

Total length = 110" (9'2")

Run = 10" (11 steps)

3/4" nosing

Total rise = 87" (7'3")

Rise = 7.25" (12 rises)

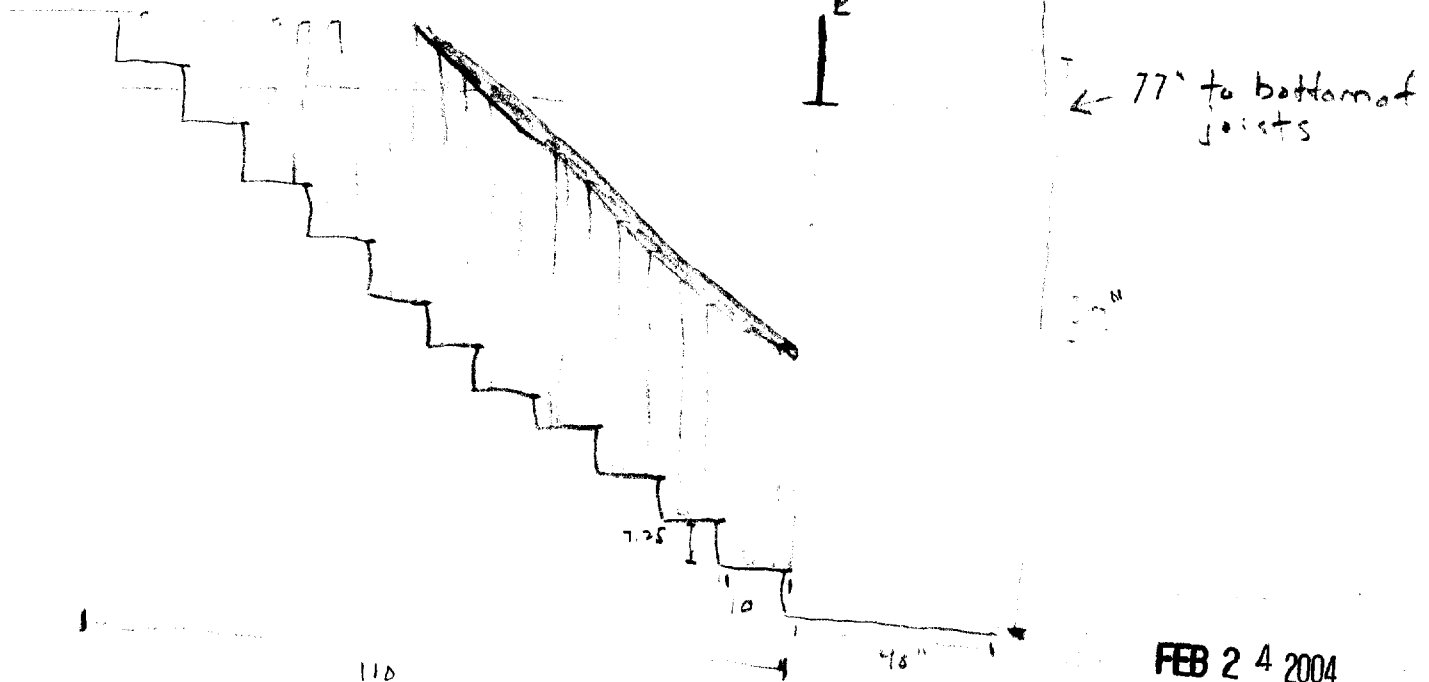
Width = 34" - To 36" once below floor joist.

Handrail height = 36"

Balluster spacing = 4"

This area opens up and clearance will not be an issue

Clearance will be 69 3/4".



FEB 24 2004

RECEIVED

Current Stair Details

Rise - Most are between 7.5" and 8"

Run - 8 runs are 8". There is a landing at the top and bottom.

Height from basement floor to bottom of joists = 77"

Height from 1st landing " " " " = 69"

Height from 1st step " " " " = 61"



CITY OF PORTLAND, MAINE
HISTORIC PRESERVATION COMMITTEE

January 27, 2004

Stephen Sewall, Chair
Cordelia Pitman, Vice Chair
Edward Hobler
Susan Wroth
Camillo Breggia
Robert Parker
John Turk

Ed and Suzanne Bryan
9 Cushman Street
Portland, Maine 04102

Re: Exterior Alterations and Building Addition; 9 Cushman Street

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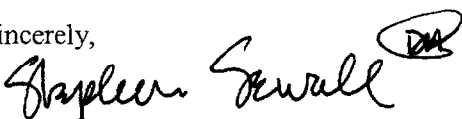
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All improvements shall be carried out as shown on the submitted plans and specifications submitted for the 1/21/04 public hearing and/or as described above. Changes to the approved plans and specifications and any additional work that may be undertaken must be reviewed and approved by this office prior to construction, alteration, or demolition. If, during the course of completing the approved work, conditions are encountered which prevent completing the approved work, or which require additional or alternative work, you must apply for and receive a Certificate of Appropriateness or Non-Applicability PRIOR to undertaking additional or alternative work.

This Certificate is granted upon condition that the work authorized herein is commenced within twelve (12) months after the date of issuance. If the work authorized by this Certificate is not commenced within twelve (12) months after the date of issuance or if such work is suspended in significant part for a period of one year after the time the work is commenced, such Certificate shall expire and be of no further effect; provided that, for cause, one or more extensions of time for periods not exceeding ninety (90) days each may be allowed in writing by the Department.

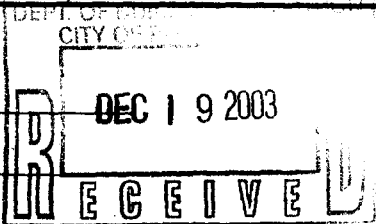
Sincerely,


Stephen Sewall, Chairman
Historic Preservation Committee

cc: Building Inspections

All Purpose 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.

Location/Address of Construction: <u>9 Cushman St.</u>		
Total Square Footage of Proposed Structure <u>1087</u>	Square Footage of Lot <u>2882</u>	
Tax Assessor's Chart, Block & Lot Chart# <u>56</u> Block# <u>B</u> Lot# <u>17</u>	Owner: <u>Edward B.S. Bryan</u> <u>Suzanne G. Bryan</u>	Telephone: <u>207-871-0917</u>
Lessee/Buyer's Name (If Applicable)	Applicant name, address & telephone: <u>Ed + Suzanne Bryan</u> <u>40871-0917</u> <u>9 Cushman St.</u> <u>Portland 04102</u>	Cost Of Work: <u>\$ 50,000</u> Fee: <u>\$ 471</u>
Current use: <u>Residential 2 Family</u>		
If the location is currently vacant, what was prior use: <u>Change of use</u>		
Approximately how long has it been vacant: <u>Change of use</u>		
Proposed use: <u>Residential 1 Family 1087 sq. ft.</u>		
Project description: <u>Addition of rear mudroom and entrance, remodel 2nd floor interior, replace main entry steps.</u>		
Contractor's name, address & telephone: <u>Paul Moutal, Flying Paint Construction, Topsham</u> <u>839-3999</u>		
Who should we contact when the permit is ready: <u>Ed Bryan</u>		
Mailing address: <u>9 Cushman St.</u> <u>Portland ME 04102</u> <u>207 871 0917</u> <u>work 781-2260 ext. 4140</u>		
<p>We will contact you by phone when the permit is ready. You must come in and pick up the permit and review the requirements before starting any work, with a Plan Reviewer. A stop work order will be issued and a \$100.00 fee if any work starts before the permit is picked up. PHONE: <u>207 871 0917</u></p>		

IF THE REQUIRED INFORMATION IS NOT INCLUDED IN THE SUBMISSIONS THE PERMIT WILL BE AUTOMATICALLY DENIED AT THE DISCRETION OF THE BUILDING/PLANNING DEPARTMENT, WE MAY REQUIRE ADDITIONAL INFORMATION IN ORDER TO APPROVE THIS PERMIT.

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: <u>Edward B. Bryan</u>	Date: <u>12-17-03</u>
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This is NOT a permit, you may not commence ANY work until the permit is issued.
If you are in a Historic District you may be subject to additional permitting and fees with the Planning Department on the 4th floor of City Hall

This page contains a detailed description of the Parcel ID you selected. Press the **New Search** button at the bottom of the screen to submit a new query.

Current Owner Information

Card Number	1 of 1
Parcel ID	056 B017001
Location	9 CUSHMAN ST
Land Use	TWO FAMILY
Owner Address	BRYAN SUZANNE GARDINER & EDWARD B S BRYAN JTS 9 CUSHMAN ST PORTLAND ME 04102
Book/Page	12120/269
Legal	56-8-17 CUSHMAN ST 9-11 2882 SF

Valuation Information

Land	Building	Total
\$31,400	\$93,970	\$125,370

Property Information

Year Built 1861	Style Old Style	Story Height 2.5	Sq. Ft. 2224	Total Acres 0.066	
Bedrooms 4	Full Baths 3	Half Baths 1	Total Rooms 10	Attic None	Basement Full

Outbuildings

Type	Quantity	Year Built	Size	Grade	Condition
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Sales Information

Date 07/01/1995	Type LAND + BLDING	Price \$130,000	Book/Page 12120-269
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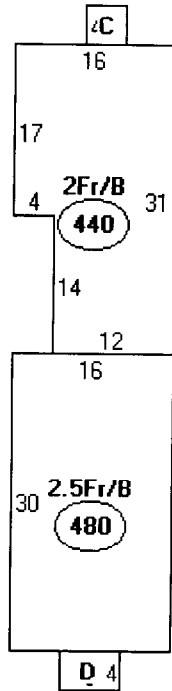
Picture and Sketch

<u>Picture</u>	<u>Sketch</u>
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[Click here](#) to view Tax Roll Information.

Any information concerning tax payments should be directed to the Treasury office at 874-8490 or e-mailed.

New Search!



Descriptor/Area

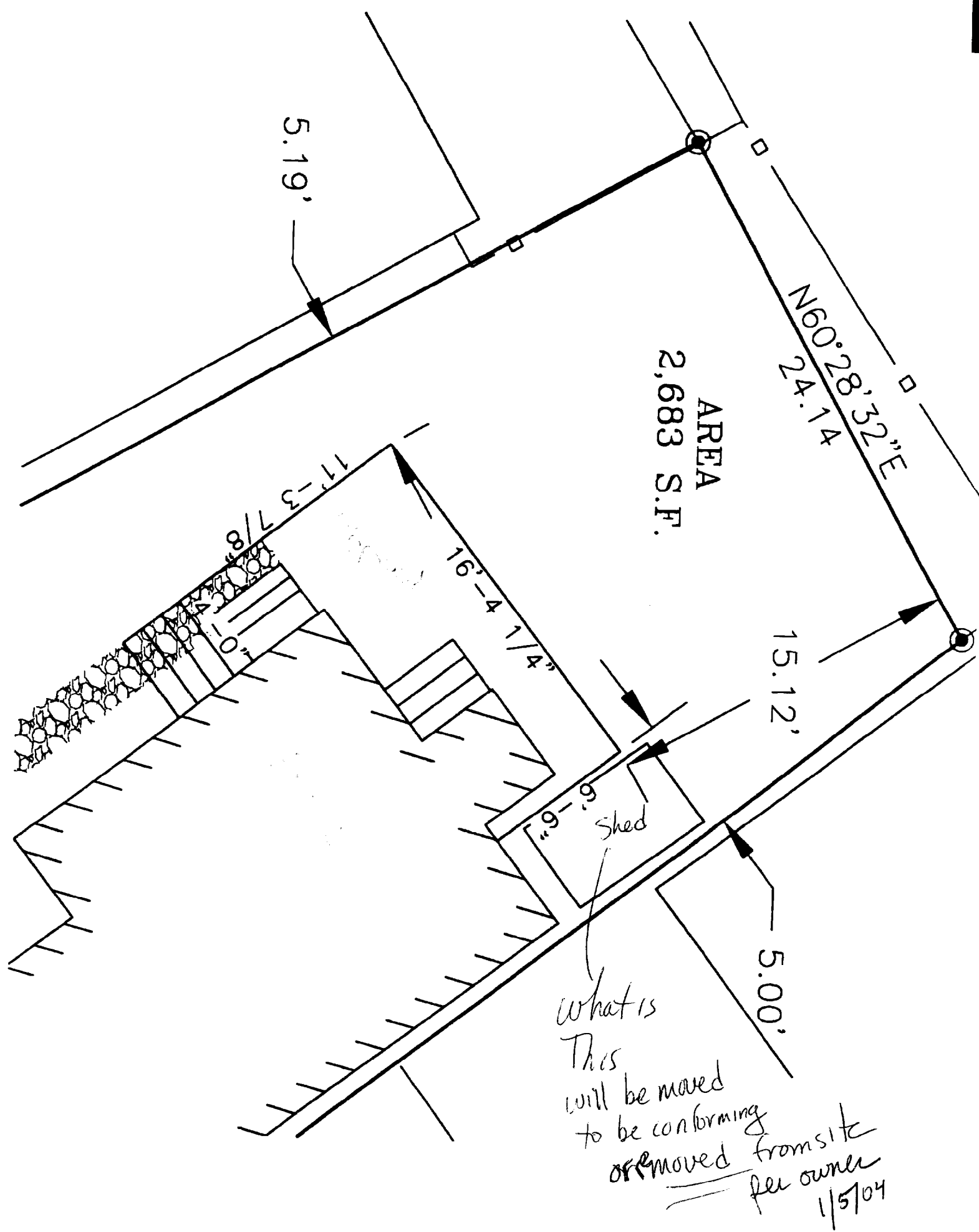
A: 2.5Fr/B
480 sqft
B: 2Fr/B
440 sqft
C: EP
16 sqft
D: FBAY/B
24 sqft

960 SF
128 New

1088 SF

Lot: 2882 SF
x 50 %

1441 SF



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

Location of Construction: 9 Cushman St		Owner: Bryan, Ed		Phone: 871-0917		Permit No: 981103	
Owner Address: SAA		Lessee/Buyer's Name:		Phone:		BusinessName:	
Contractor Name: Landmark Builders, Inc.		Address: 1905 Congress St Portland, ME		Phone: 04102 773-1805		Permit Issued: SEP 29 1998	
Past Use:		Proposed Use:		COST OF WORK: \$ 4,900.00		PERMIT FEE: \$ 45.00	
				FIRE DEPT. <input type="checkbox"/> Approved <input type="checkbox"/> Denied		INSPECTION: Use Group: Type:	
				Signature:		Signature:	
Proposed Project Description: Add 1/2 bath to 3rd floor				PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.) Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved with Conditions <input type="checkbox"/> Denied			
Permit Taken By: MO				Date Applied For: 18 September 1998			

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..

PERMIT ISSUED
WITH REQUIREMENTS

CERTIFICATION

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

21 September 1998

SIGNATURE OF APPLICANT ADDRESS: DATE: PHONE:

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE PHONE:

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

Zoning Appeal
☐ Variance
☐ Miscellaneous
☐ Conditional Use
☐ Interpretation
☐ Approved
☐ Denied

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

Action:
☐ Approved
☐ Approved with Conditions
☐ Denied

Date: _____

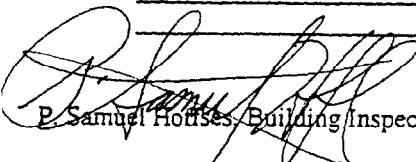
CEO DISTRICT

3

not more than 44 inches (1113mm) 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 basementsIn 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. *to remain 2 units*
- *29. This permit does NOT authorize any additional dwelling units.

30. _____
31. _____
32. _____


P. Samuel Hodges, Building Inspector

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

Yc

Mi
che

Acc

I hereby
owner t
applicat
enforce
Signa

Left Right
 Elsie M. Townsend apt. 2
 Arthur H. Peterson apt. 3
 Mrs. Pauline Kennedy apt. 4
 Alice Englehardt apt. 5
 Walter N. Clark apt. 6
 James E. Bennett apt. 7
 Louis P. Murphy apt. 8
 Mrs. Edna Grantham
 Glenora Apartments
 William H. Beal apt. 1 A2-1880
 Mrs. Jane D. Fleming apt. 2
 A2-3000
 Vacant apt. 3
 Mrs. Gertrude M. Phillips apt. 4
 Mrs. Bennett apt. 5
 Mrs. Florence T. Colby lodge and
 A2-3348
 550 The Glenora apt.
 Mrs. Margaret H. Morin apt. A1
 A2-3348
 Vacant apt. A2
 Vacant apt. A3
 Howard P. Ryan apt. A4
 Morris C. Littlejohn apt. A5
 Mildred Noodin apt. A6 A2-6110
 Harold W. Martin apt. A7
 Mrs. Ruth E. Lemery apt. B1
 Alice M. Houch apt. B2
 Russell H. Scotland apt. C1
 A2-4383
 Harvey S. Ross Jr. apt. C2
 Harry J. Griffin apt. C3
 Arthur S. Shellen apt. C4 A2-4502
 Vacant apt. C5
 Harold W. Walker apt. C6
 Mrs. Helen C. LeBelle apt. C7
 A2-4347
 J. E. Burns Ltd. good apt. D1
 Eugene S. Kirkman apt. D2
 Mrs. Marie Wright apt. D3
 Walter M. Martineau apt. D4
 Mrs. Anna W. Simmons apt. D5
 A2-4300
 Mrs. Mary A. Greene apt. D6
 A2-4302
 Harvey J. Gauthier apt. D7
 A2-4303
 550 11 George Ellis apt. 1
 William McLaughlin apt. 2
 John Gady apt. 3 A2-2002
 Bruce M. Nadeau apt. 4
 Vacant apt. 5
 John B. Barwick apt. 6
 Jerome A. Vermette apt. 7
 Barbara Jack apt. 8
 Charles Schell apt. 9
 Catherine Davis apt. 10
 Mrs. Margaret M. Burgess apt. 11
 A2-2007
 Raymond Keane apt. 12
 Mrs. William H. Jackson
 Raymond Stepan
 Carlo Lora A2-2535
 553 Gordon Allen apt. 1
 Gertrude W. Ryan apt. 2
 Leona M. Hall apt. 3
 Mrs. Anna J. McCarthy apt. 4
 A2-2535
 Theodore N. Karatsanos apt. 4
 A2-2535
 Helena D. Matheson apt. 5
 Elaine Jack apt. 6 A2-2535
 Mrs. Mable C. Gann apt. 7
 Vernon A. Kohns apt. 8 A2-7014
 Harold S. Brown apt. 9 A2-1683
 Helen C. Howe apt. 10
 William J. Schwartz apt. 11
 A2-2003
 554 Mrs. Lena M. Clark apt. 1 and h
 A2-4347
 Lena Alice Bennett apt. 1A
 A2-4347
 Lawrence H. Clark apt. 1
 Lawrence H. Brown apt. 2
 Fred C. Rouse apt. 2A
 William Murphy apt. 3
 Helen A. Baran apt. 4
 Mrs. Sylvia H. Wright apt. 5
 Della Gilman apt. 6
 Mrs. Grace C. Powell apt. 7
 Mrs. Margaret apt. 8
 Anne A. Drake apt. 9
 Mrs. Barbara Wilson apt. 10
 Fred C. Winslow apt. 11

Left Right
 5 John L. Pritchard

CUMMINGS STREET

WARD 9

From 634 Washington av. to Back Cove
 9 John F. Nappes
 Albert E. Gendrolls
 Michael A. Deslmon A2-1688
 11 Robert M. Eddy
 Richard Stelmaker
 Bruce Packard
 —**HEALEY STREET crosses**
 —**UNACCEPTED from here to end**
 —**FRONT STREET crosses**

CUSHMAN COURT

WARD 5

From rear of 1000
 —**UNACCEPTED**

CUSHMAN STREET

WARD 7

From 186 Clark to 1000
 7 Thomas J. Sarant A2-2076
 8 Edward E. Brown
 9 William A. Brown A2-4865
 10 Edward A. Brown
 11 Shirley Shaw A2-2439
 12 George C. Glibby A2-4108
 13 Pauline E. McDonald
 14 Maurice D. Glibby
 15 Harry J. Glibby
 16 Thomas Glibby
 17 Thomas Glibby
 18 Mrs. Sarah E. Shannon A2-4443
 19 LEAVIS, Richard W. apt. 1
 22 Raymond J. Glibby apt. 1A2-4007
 23 Raymond J. Glibby apt. 2A2-5372
 24 Vacant apt. 3
 25 John W. Glibby apt. 4
 26 Robert J. Glibby apt. 5
 27 Richard J. Glibby
 28 Joseph J. Glibby A2-418
 29 Mrs. Mabel J. Glibby
 30 Mrs. Jeanne E. Brown
 31 Mrs. Helen E. Brown
 32 Mrs. Margaret E. Peterson
 33 Russell J. Glibby A2-1283
 34 Mrs. Margaret E. Peterson
 35 George C. St. Clair
 36 Brown J. Glibby A2-8446
 37 Robert E. Glibby
 38 Charles A. Glibby
 39 Edward J. Glibby A2-9522
 40 Edward J. Glibby A2-2004
 41 Edward J. Glibby A2-8761
 42 Donald R. Glibby A2-4962
 43 Richard J. Glibby
 44 Richard J. Glibby A2-6830
 45 Joseph J. Glibby A2-2006
 46 James C. McDonald A2-0834
 47 Philip J. Oliver
 48 Leonard J. Glibby A2-1435
 49 Mrs. Lena M. Clark apt. 1 and h
 50 Mrs. Lena M. Clark apt. 2 and h
 51 James E. Glibby A2-3120
 52 Donald R. Glibby A2-1361
 53 Elizabeth J. Glibby A2-1361
 54 Mrs. Elsie N. Woods lodge and h
 55 John C. Woods A2-3120
 56 Mrs. Margaret Rouse A2-9123
 57 Mrs. Christine S. Seaman

CUSTOM HOUSE STREET

WARD 3

From 07 Commercial to 200 Fore

CYPRESS STREET

WARD 9

From 1406 Washington av. to Kennell av
 14 John W. Meredith A2-4094
 15 Alfred C. Meredith A2-4094
 16 H. William Burns A2-2103
 17 Carl M. Jordan A2-4093
 24 Maurice C. Meredith A2-5183
 27 Lawrence E. Peterson A2-5080
 32 Kenneth R. Meredith A2-4345
 41 Paul C. Peterson A2-2001
 42 Edward J. Glibby A2-5276
 43 Charles W. Glibby A2-3015
 44 Arthur W. Glibby A2-2398
 45 Dawson H. Glibby A2-3226
 46 Richard E. Glibby A2-6348

Left Right
 65 Lawrence O. Gierlin

D STREET

WARD 7

From 106 Valley to 187 St John

D STREET—PEAKS ISLAND

From Church avenue easterly

DAKOTA STREET

WARD 9

From Ray to Washington avenue
 3 George J. Drake A2-0377
 4 Alton Mott A2-730
 5 Robert J. Botchard A2-3837
 6 George J. Woodrow

DALE STREET

WARD 3

From Holm avenue to 1st street
 4 TAYLOR AVENUE apt. 105
 8 Mrs. Ruth D. St. Clair A2-1952
 9 Mrs. Nance M. Glibby A2-3837
 10 (rear) Raymond D. Glibby

DALTON STREET

WARD 9

From 76 Veranda to Prescott st
 8 John A. Glibby A2-1020
 9 Charles E. Glibby
 10 Leon D. Frost
 12 Anthony E. Glibby A2-9105
 13 George C. Glibby A2-9105
 14 Mrs. Mary E. Glibby A2-0387
 15 Mrs. Mary E. Glibby
 16 Philip J. Glibby A2-6143
 17 James J. Glibby A2-4320
 18 Mrs. Glibby N. Glibby
 19 Edward J. Glibby A2-6012
 20 Alfred J. Glibby
 21 —**UNACCEPTED from here to end**
 —**F STREET ends**

DANA STREET

WARD 7

From 199 Commercial to 200 Fore
 8 11748 de la Roche and D. Stearns Inc.
 Palmer Supply Co. A2-6449

DANFORTH PLACE

WARD 7

From 220 Danforth
 3 Frank E. Glibby
 4 Lawrence J. Glibby A2-7014
 5 Mrs. Mary N. Glibby
 6 John J. Glibby
 7 Mrs. John J. Glibby

DANFORTH STREET

WARDS 4, 5, 6, 7

From 527 Fore to Bay West Commercial st
 17 Charles E. Glibby
 2 Mrs. Mary Glibby A2-2352
 3 Old Tavern building and dairy pro
 4 Charles A. Glibby
 5 Patrick Glibby
 6 Theodore Glibby
 7 Michael J. Glibby
 8 Joseph J. Glibby
 9 Lazarus J. Glibby barber
 10 John J. Glibby
 11 Vacant
 12 Vacant
 13 Vacant
 14 Mrs. Geraldine M. Glibby
 15 Albert J. Glibby
 16 Vacant
 17 William J. Glibby
 18 Maine Building Co. A2-3057
 19 Maine Building Co. A2-3057
 20 George A. Glibby
 21 Mrs. Esther Henderson
 22 Jessel W. Glibby
 23 Vacant
 24 MAJESTIC SPEECH GROSSER
 25 John J. Glibby
 26 Mrs. Agnes N. Glibby A2-3760
 27 John A. Glibby
 28 Russell B. Glibby
 29 John Glibby
 30 Leonard Glibby apt. 1
 31 Fox and Glibby trucking
 32 A2-6183
 33 Harold A. Glibby A2-4083
 34 Gordon J. Glibby
 35 Danforth B. Glibby
 36 Ralph Glibby
 37 Kathleen J. Glibby

CUMBERLAND TERRACE

WARD 3

—UNACCEPTED—

Cumberland terrace
 Mrs. Mable E. Baby lodge and
 h A2-5555
 Mrs. E. Nason lodge and h
 A2-0334
 Vacant
 Mrs. Edie D. Kennedy
 Mrs. Pearl L. Moran lodge
 A2-3388

Cumberland
 SAVINGS & LOAN ASSOCIATION

Start your Savings Account today. You may save in large or small amounts, and your account may be opened at any time.
 TEL. 2-4671 185 MIDDLE ST. PORTLAND, ME.

To Michael Nugent


Building specs to be included by 12/30/03
I will drop them off personally.

Regards,

Ed Bryan
9 Cushman
Portland 04102
891-0917

P.S. We are away for the holiday until the 27th

applicable lot size requirement, lot width and street frontage as of June 5, 1984, shall be considered a buildable lot, provided that the applicable yard dimensions can be met.

 Where such a lot has a principal structure which existed as of July 19, 1988, an accessory structure or building addition may be located within the following side and rear yards, provided that the normal applicable yard requirements cannot be met:

a. R-1, R-2:

Rear yard: Ten (10) feet.

Side yard: Five (5) feet.

b. R-3, R-4, R-5, R-5A, R-6:

Rear yard: Five (5) feet.

Side yard: Five (5) feet.

Any lot of record as of July 15, 1985, and held under separate and distinct ownership from adjacent lots and meeting the applicable street frontage requirements of that time may be considered a buildable lot in the IR-1 and IR-2 zones, provided that the applicable yard dimensions can be met and provided further that a lot in the IR-1 zone shall have a minimum area of ten thousand (10,000) square feet and a lot of the IR-2 zone shall have a minimum area of six thousand five hundred (6,500) square feet unless it is served by both public sewer and public water, in which case it shall have a minimum area of five thousand (5,000) square feet.

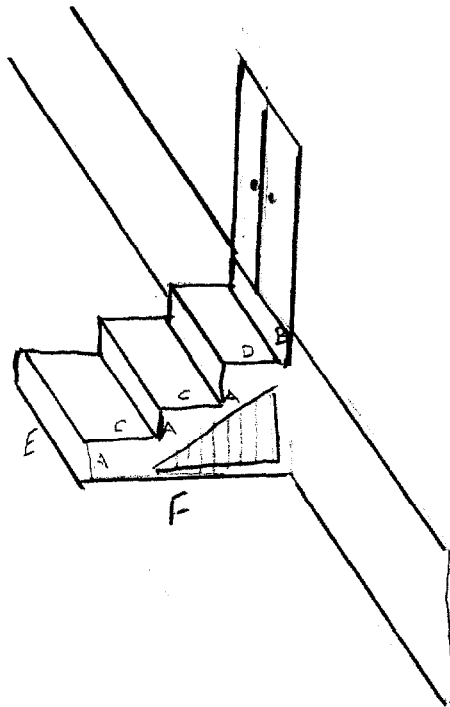
A lot in the IR-1, IR-2 and I-B zones that was described in a subdivision plat approved by the planning board after July 15, 1982, shall be considered a buildable lot, provided that the applicable yard dimensions can be met.

(Code 1968, § 602.19.L; Ord. No. 539-84, 5-7-84; Ord. No. 32-85, § 1, 7-15-85; Ord. No. 91-88, 7-19-88; Ord. No. 310-89, 1-30-89; Ord. No. 166-89, 12-11-89)

*Editor's note--Ord. No. 91-88, adopted July 19, 1988, amended

PROPOSED PLAN TO REPLACE
Main **FRONT ENTRANCE STEPS**

The proposed plan to replace the front steps does not include any changes to the footprint of the steps. We plan to use the details noted below and on the following pages from "Guidelines For Porch Repairs and Replacements" published by the Historic Preservation Office.



Rise A = $7\frac{1}{2}''$

Rise B = $9\frac{1}{2}''$

Run C = $11''$

Run D = $13''$

Length E = $70''$

Depth F = $35''$

Note: Handrails not pictured but are detailed in our proposal to the Historical Preservation office.

Mr. Edward B.S. Bryan
9 Cushman Street
Portland, Maine 04102
(207) 871-0917 / ebryan@maine.rr.com

December 12, 2003

Ms. Marge Schmuckle
Codes Officer, City of Portland
389 Congress Street
Portland, Maine 04101

Dear Ms. Schmuckle,

This letter accompanies the attached building permit application. It outlines the 9 Cushman St. building plan and provides justification that this plan meets the requirements set forth on page 455, Section 14-433 of the City of Portland's Code of Ordinances.

It is our intent to change the current use of the structure from a two unit to a single-family residence. To make this change, it is necessary to address safety issues regarding the three entrances to the building, described as follows:

Main Entrance (1) The concrete steps are in disrepair and lack handrails. New, wooden steps with period details in mind, will be constructed that meet current code, and which make the entrance safer and more attractive.

Back Entrance (2) and Kitchen Entrance (3) The steps to these entrances are loose and unsafe, and lack handrails. Furthermore, the inside entrance to the first floor kitchen, which crosses an open staircase to the basement, is dangerous and has already caused injury.

Our plan consists of the following:

- new back entrance (which essentially combines entrances 2 and 3)
- mudroom attached to the back of the house
- new set of basement stairs

The addition also includes the second floor where we plan to remodel the existing space.

This plan cannot meet the normal applicable yard requirements for the following reasons:

- **West Side Setback** The west side of the existing structure is ten feet from the edge of the property. The existing steps are seven feet from the edge of the property. To build a new entrance to code and in a manner that allows a safe and functional entrance to the basement, we cannot meet the standard ten-foot side setback.
- **East Side Setback** The east side of the existing back entrance is seven feet from the edge of the property. Complying with the standard ten feet setback would mean tearing down and filling in the existing opening to the kitchen. It would also reduce the size of the proposed mudroom to the point where it would not be large enough to be functional.
- **Rear Setback** The north edge, or *back* of the property, is 18 feet from the back of the existing entrance. To have a functional mudroom to accommodate the needs of a young family of four, our plan calls for a 15-foot rear setback. The normal setback of 20 feet would make this project impossible.

We intend to live in this home, raising our family for many years. The proposed changes will make our home safer, more functional and aesthetically pleasing, and will improve the neighborhood.

Respectfully submitted,

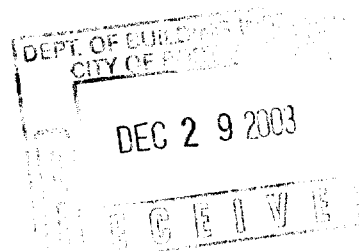
Ed Bryan

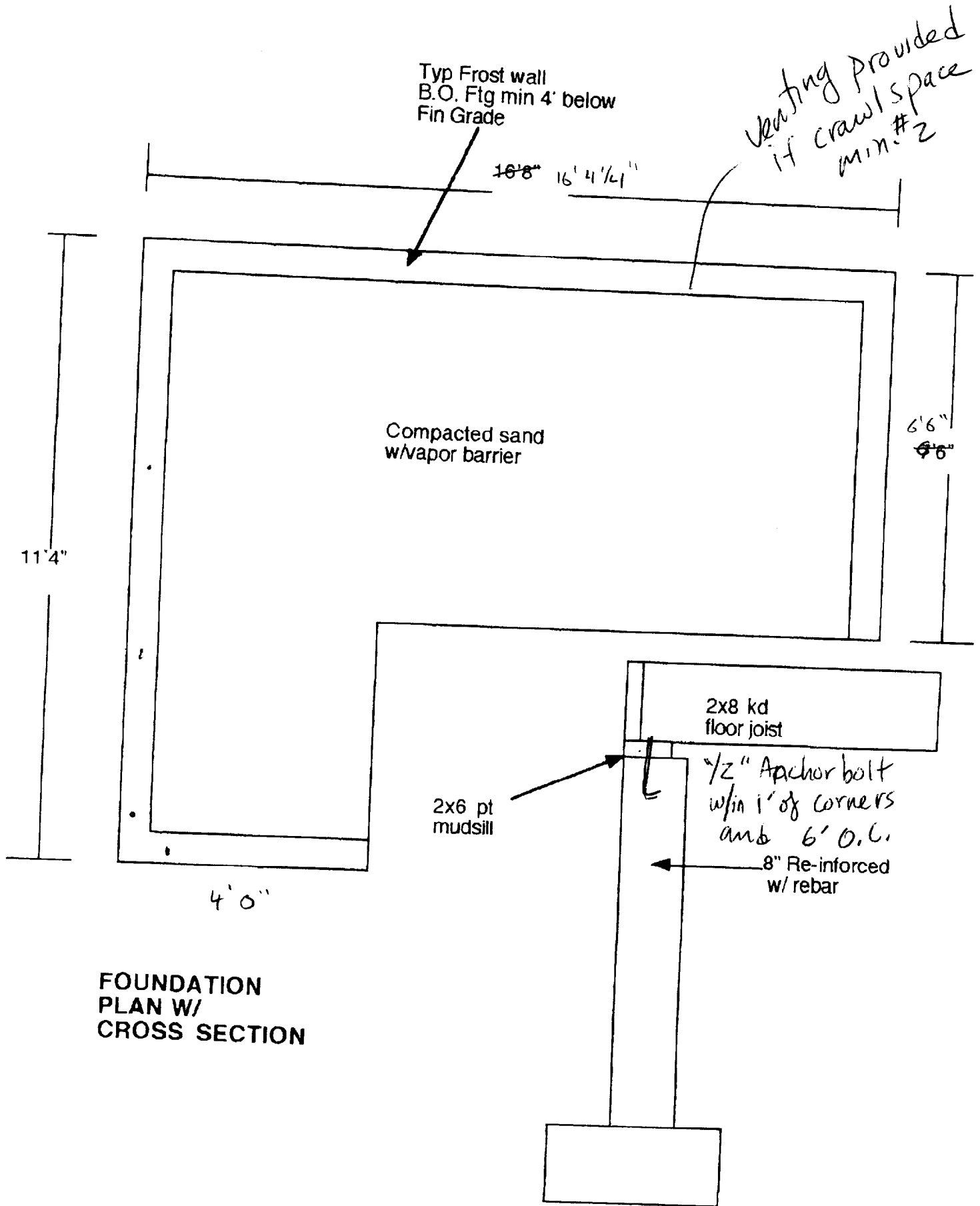
ebryan@maine.rr.com

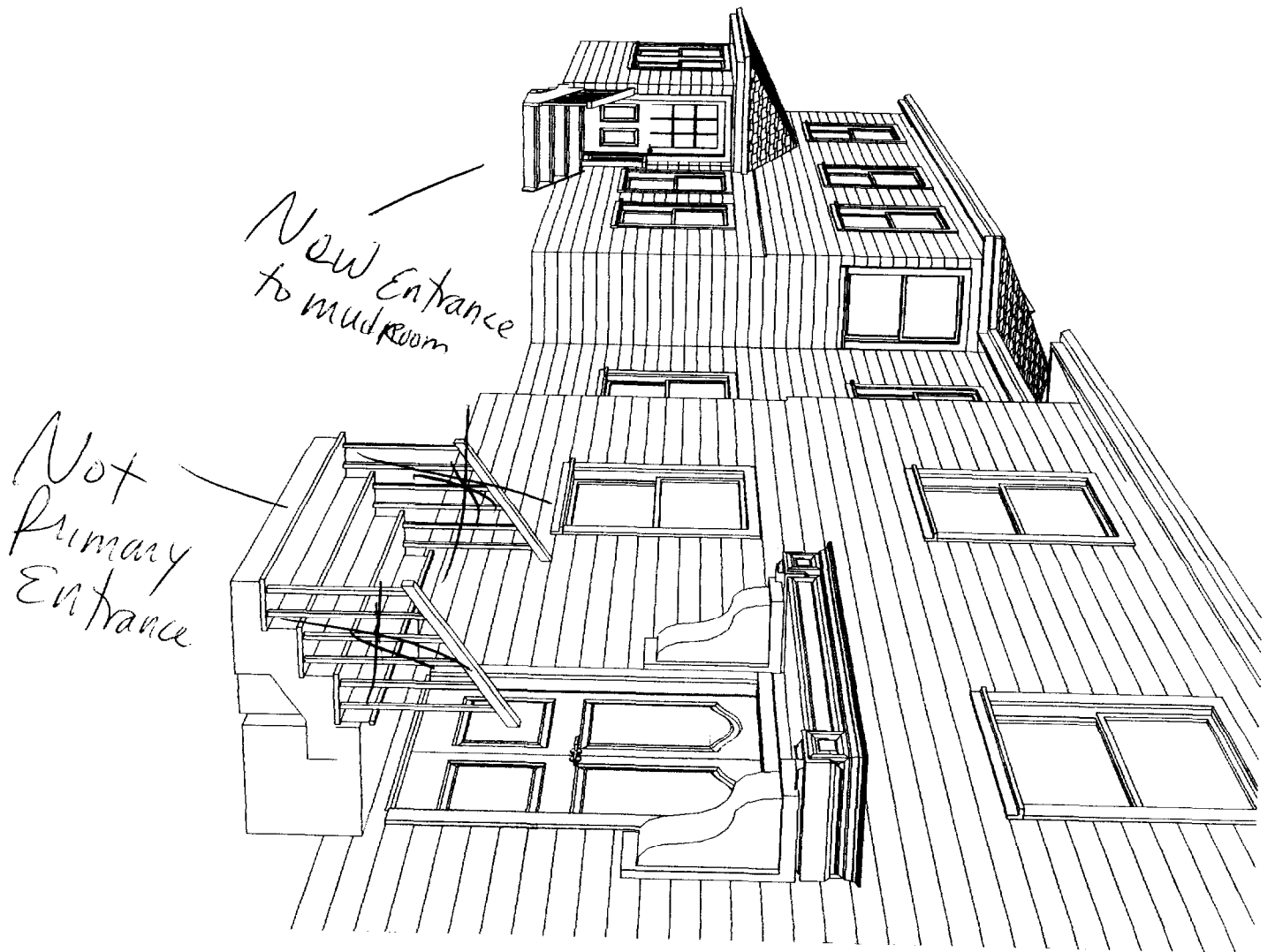
From: Maryane & Paul [moutal@suscom-maine.net]
Sent: Friday, December 19, 2003 6:54 AM
To: ebryan@maine.rr.com
Subject: Re: Permit application

the floor joist will be 2x8, the rafters 2x10, the walls, 2x6 (r-23), LVL
3x11.5 (to carry
existing outside corner, exterior to match existing.
On Thursday, December 18, 2003, at 06:53 PM, <ebryan@maine.rr.com>
wrote:

> Hi,
>
> We are off to CA in the morning. Before we go I will drop off the
> building
> permit application at the city hall. I stopped by this afternoon and
> I've
> got what I need for zoning but the building codes portion is
> incomplete. The
> application needs building materials specs. What materials will we use
> for
> the floor joists, roof rafters, shingles, etc.? The sample provided
> with the
> application packet shows a cross section of the house with indications
> of
> the materials used.
>
> Probably the easiest way to follow through with this is for you to get
> the
> information to me and I'll add it to the application when I get back.
> I'm
> going to submit it tomorrow anyway in order to get it started. At
> least they
> can do the zoning piece.
>
> Hope you have a nice holiday.
>
> Ed
>
> PS. I'm going to copy Suzanne's email which we will be able to access
> from
> the road.
>
>
>









**BASEMENT
STAIR
DETAIL**

1 x4 pine

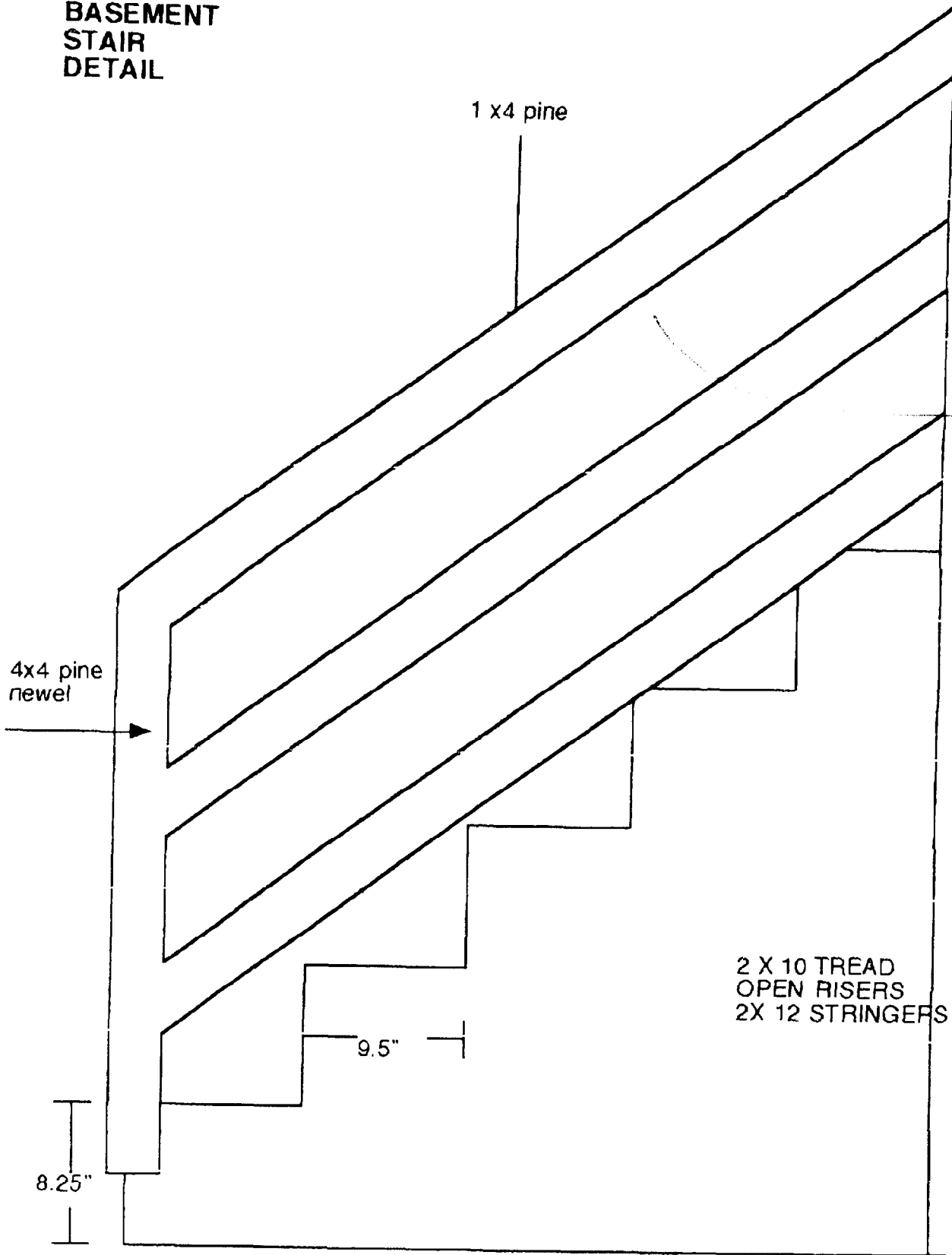
*Not to
code*

4x4 pine
newel

2 X 10 TREAD
OPEN RISERS
2X 12 STRINGERS

9.5"

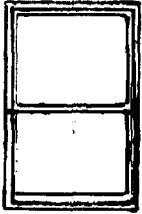
8.25"



Line Item #: 0002 Line Item Qty: 1 Initial:

Location:

RO Size = 3' 2 1/8" W x 4' 8 7/8" H Unit Size = 3' 1 5/8" W x 4' 8 7/8" H



400 Series, TW Single Units
Unit Code/Item Size: TW3046
Operation/Handing: AA
Part Number: 1611876
Exterior Color: White
Interior Color: Clear Pine
Glass Type (Top): High Performance Glass
Glass Type (Bottom): High Performance Glass
Insect Screens: Insect Screen, White
Standard Hardware: Standard Lock Hardware - Stone

Comments:

Total Price	Extended Price
\$ 421.70	\$ 421.70

Line Item #: 0003 Line Item Qty: 3 Initial:

Location:

RO Size = 6' 4" W x 4' 8 7/8" H Unit Size = 6' 3 3/8" W x 4' 8 7/8" H



Composite Unit
Part Number: 1613158
Mulling Location: Factory (Direct)
Mull Priority: Vertical
Mulling Material: Narrow Mull
Unit Code/Item Size: TW3046-2
Operation/Handing: AA-AA

Comments:

Total Price	Extended Price
\$ 52.80	\$ 158.40

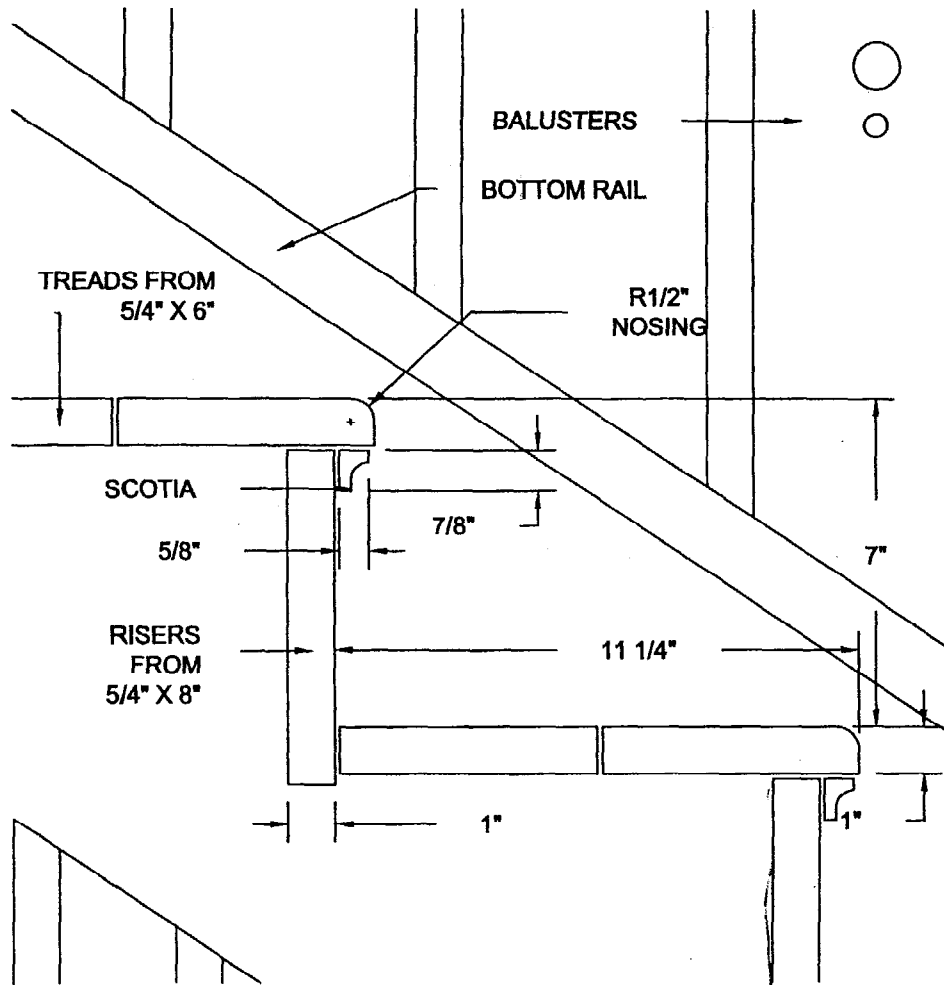
400 Series, TW Single Units
Unit Code/Item Size: TW3046
Operation/Handing: AA
Part Number: 1611876
Exterior Color: White
Interior Color: Clear Pine
Glass Type (Top): High Performance Glass
Glass Type (Bottom): High Performance Glass
Insect Screens: Insect Screen, White
Standard Hardware: Standard Lock Hardware - Stone

Total Price	Extended Price
-------------	----------------

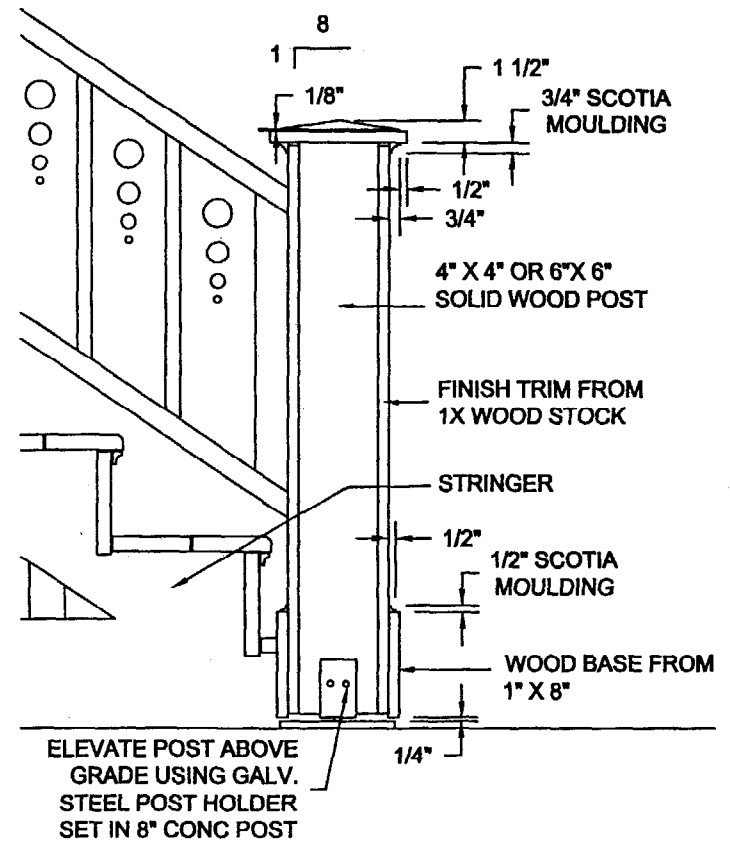
Reflects plans for side and rear steps, handrails + entrance.



Typical residential risers and treads

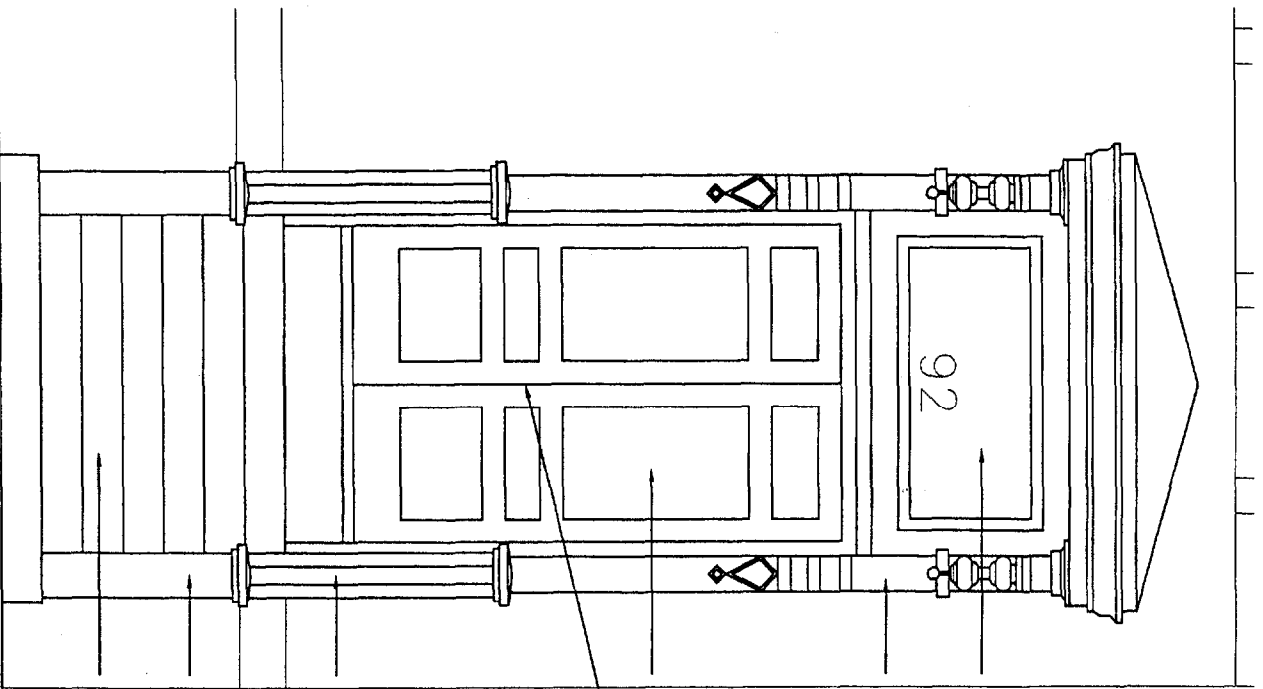


Typical newel post construction

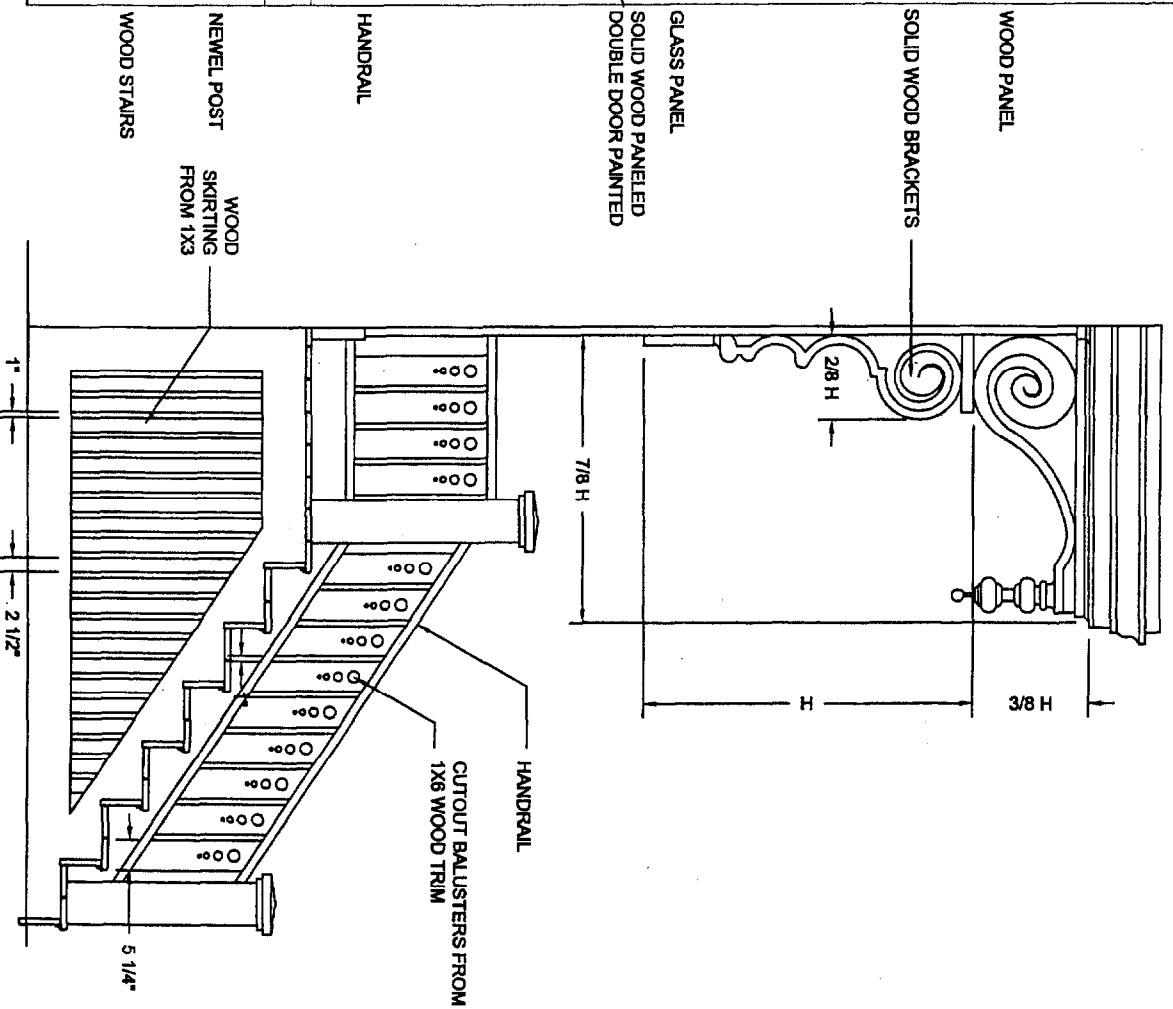


Alternate: Newel post may be bolted to a stringer.

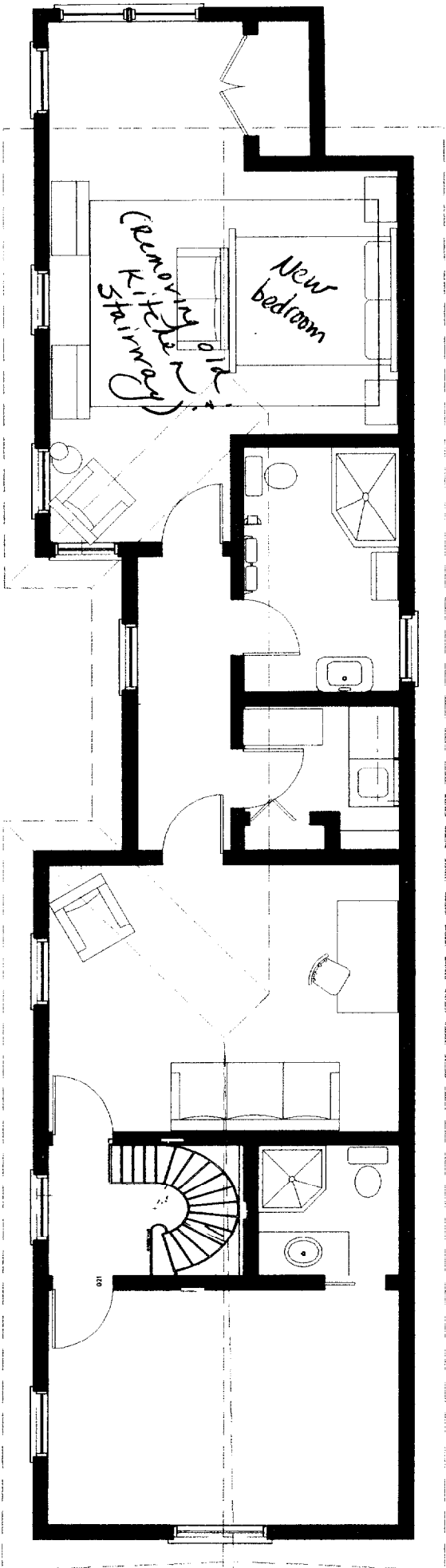
ITALIANATE & SECOND EMPIRE DETAILS



Italianate or Second Empire wood frame stoop.

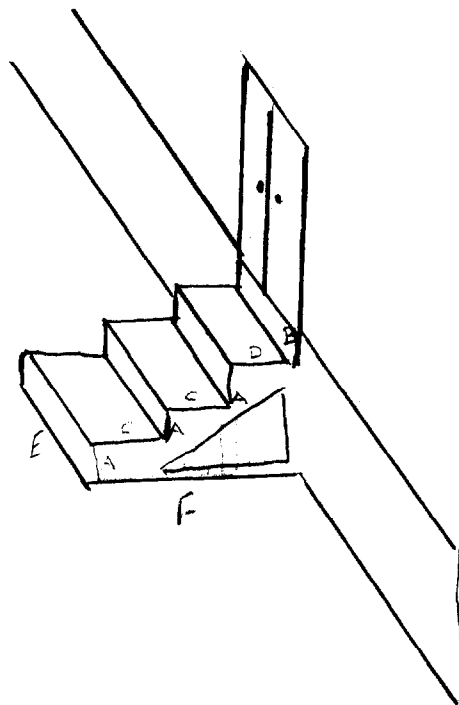


New 2nd Floor Plan



PROPOSED PLAN TO REPLACE FRONT ENTRANCE STEPS

The proposed plan to replace the front steps does not include any changes to the footprint of the steps. We plan to use the details noted below and on the following pages from "Guidelines For Porch Repairs and Replacements" published by the Historic Preservation Office.



Rise A = $7\frac{1}{2}$ "

Rise B = $9\frac{1}{2}$ "

Run C = 11"

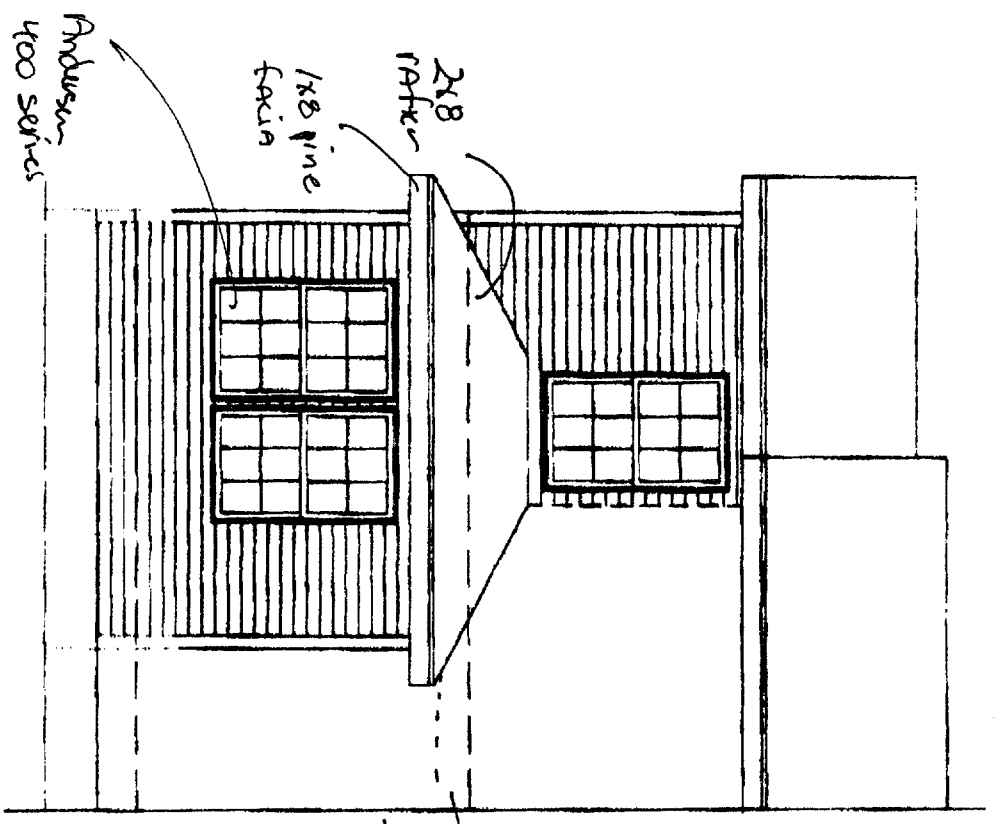
Run D = 13"

Length E = 70"

Depth F = 35"

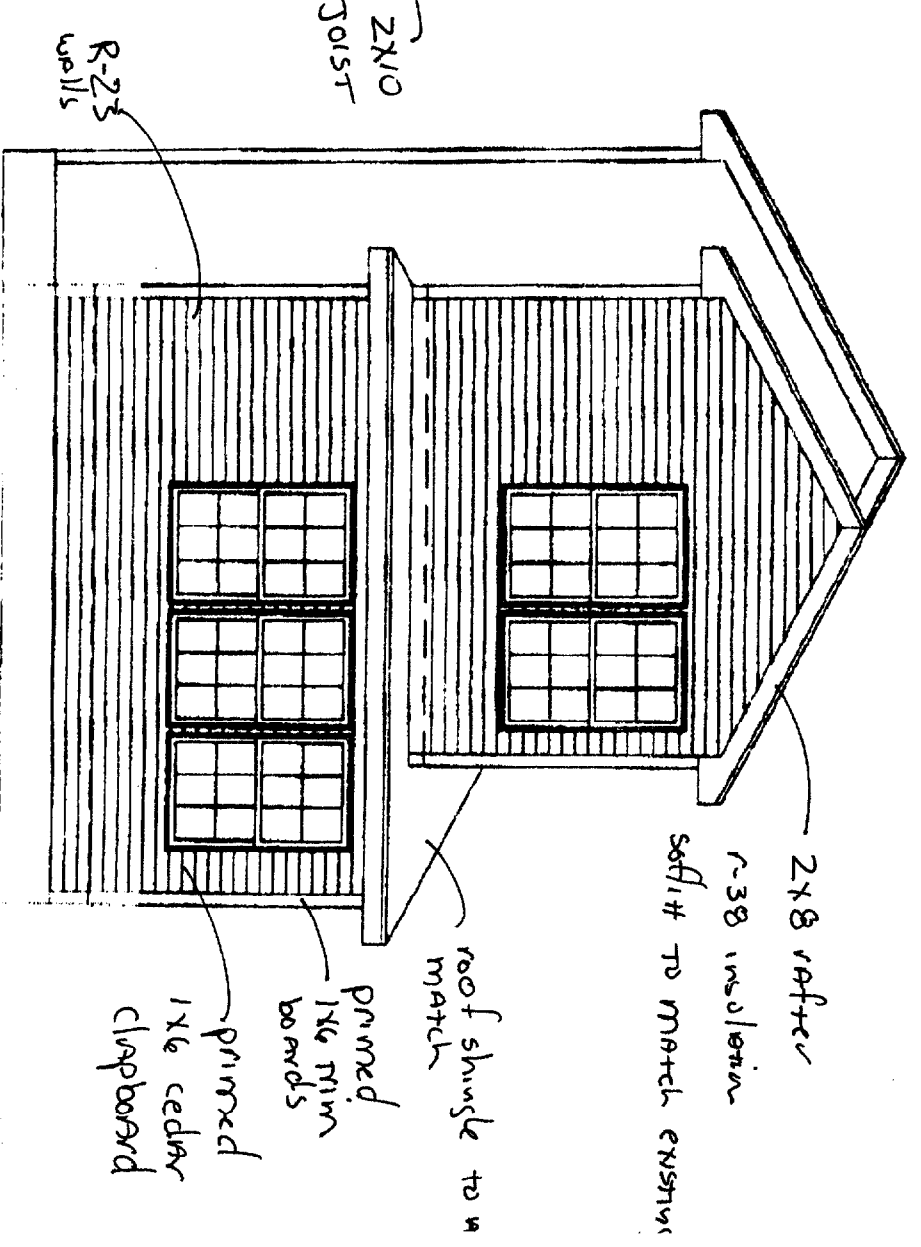
Note: Handrails not pictured but
are detailed in our proposal
to the Historical Preservation
Office.

Paul Mantel Cell: 837-3999



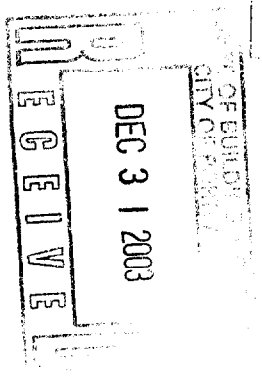
Left Elevation

Scale: 1/4" = 1'-0"
NYS

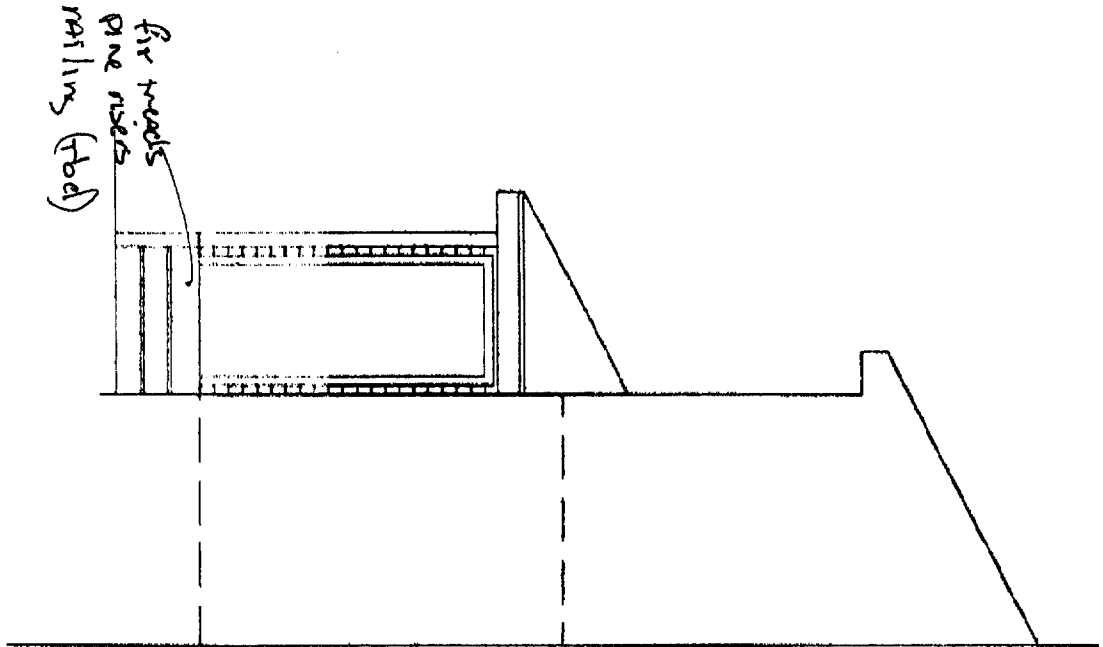


Rear Elevation

Scale: 1/4" = 1'-0"
NYS



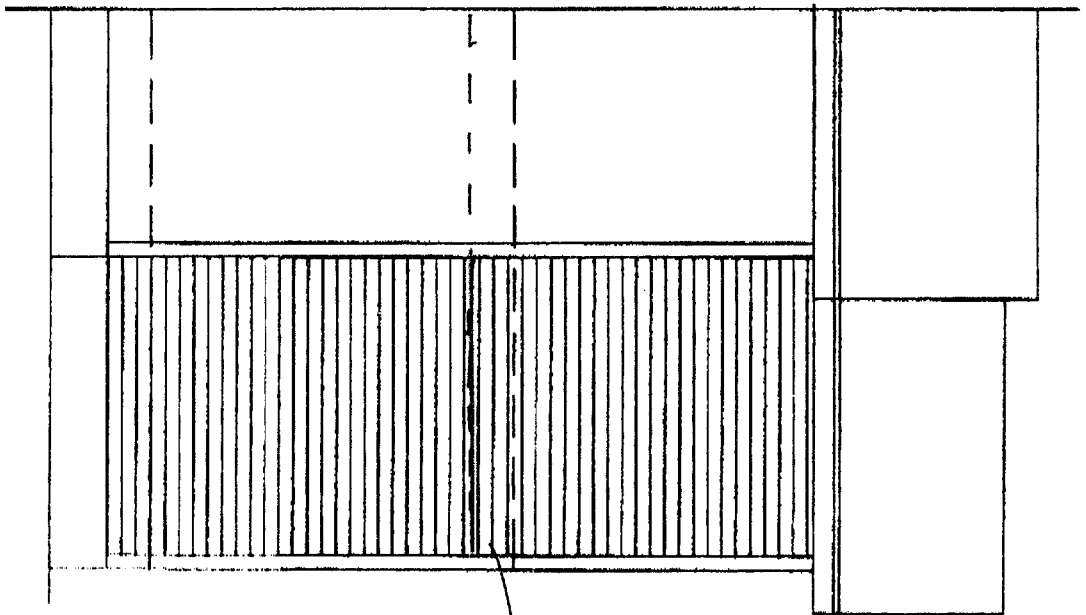
NOTE: Windows shown are not those indicated, proposed windows are one-over-one.
Edward Bryan
056307
A Cushman ST. #031576



Front Elevation

Scale: $\frac{1}{4}'' = 1'-0''$

WTS



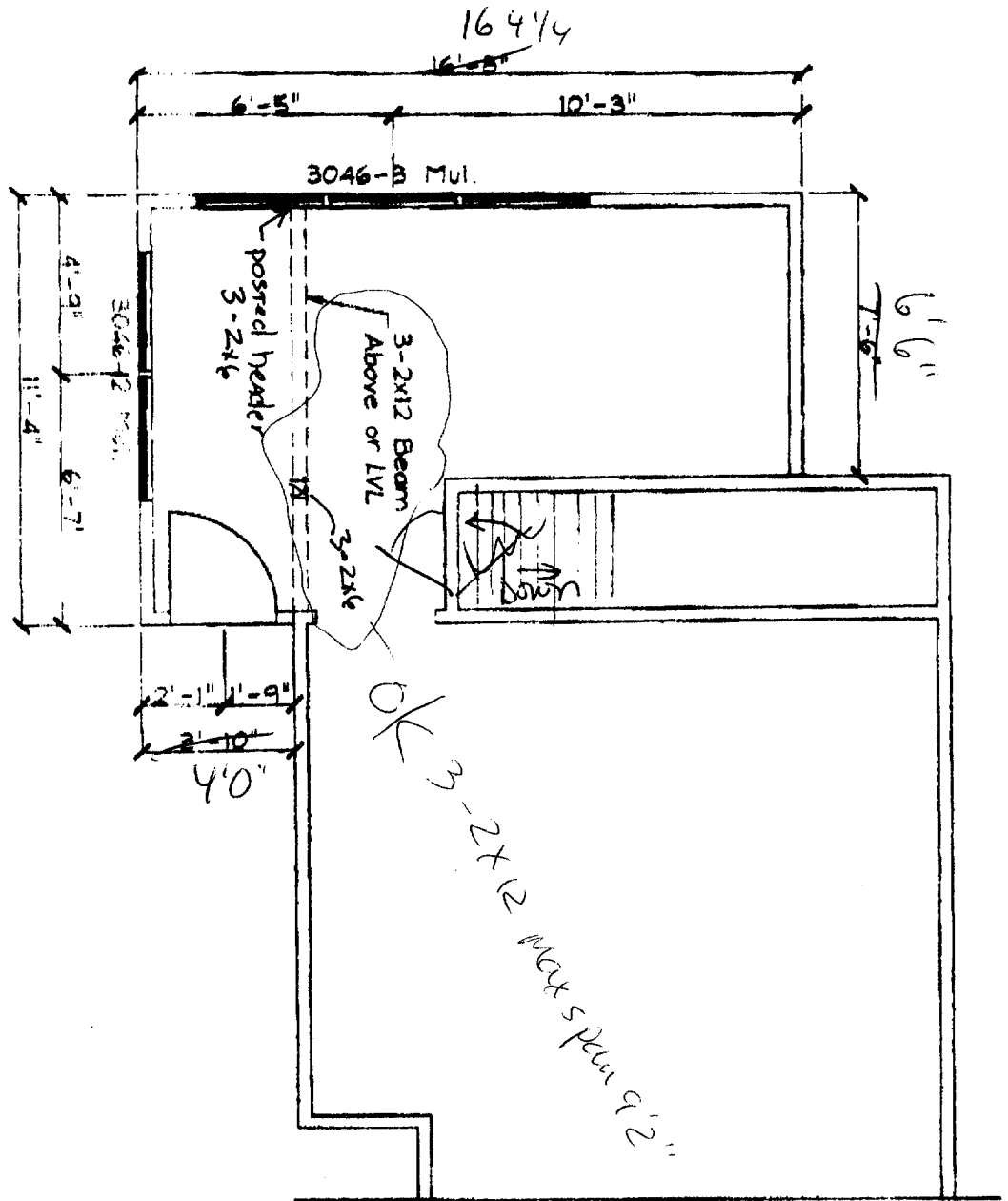
Right Elevation

Scale: $\frac{1}{4}'' = 1'-0''$

WTS

DEC 31 2003

RECEIVED



First Floor Plan

Scale: 1/4" = 1'-0"
UTX

UTX

DEC 3 1 2003

Joining Specifications for Tilt-Wash Basic Sizes Cont.

Ed and Suzanne Bryan
9 Cushman St., Portland ME
04102

Unit No.	Clear Opening in Full Open Position			Glass	Crack Opening		Vent	Top of Subfloor to Top of Inside Sill Stop		Overall Unit Area
	Sq. Ft. (m ²)	Width Inches (mm)	Depth Inches (mm)		Vent Sash Only Linear Ft. (mm)		Sq. Ft. (m ²)	Inches (mm)		Sq. Ft. (m ²)
W302	3.35 (311)	33 1/2" (860)	14 1/2" (362)	6.01 (558)	14' 5" (4394)		3.35 (314)	48 1/2" (1231)		9.68 (.895)
W307	3.82 (355)	33 1/2" (860)	16 1/2" (412)	6.87 (638)	15' 1" (4597)		3.85 (358)	44 1/2" (1130)		10.67 (.991)
W312	4.29 (398)	33 1/2" (860)	18 1/2" (463)	7.73 (718)	15' 9" (4801)		4.32 (401)	40 1/2" (1028)		11.72 (1.089)
W317	4.76 (442)	33 1/2" (860)	20 1/2" (514)	8.59 (798)	16' 5" (5004)		4.79 (445)	36 1/2" (926)		12.78 (1.185)
W322	5.23 (486)	33 1/2" (860)	22 1/2" (565)	9.46 (878)	17' 1" (5207)		5.26 (489)	32 1/2" (825)		13.81 (1.283)
W327	5.70 (530)	33 1/2" (860)	24 1/2" (616)	10.31 (956)	17' 9" (5410)		5.73 (532)	28 1/2" (723)		14.85 (1.380)
W332	6.17 (573)	33 1/2" (860)	26 1/2" (666)	11.17 (1,038)	18' 5" (5614)		6.20 (576)	24 1/2" (622)		15.90 (1.477)
W337	6.64 (617)	33 1/2" (860)	28 1/2" (717)	12.03 (1,118)	19' 1" (5817)		6.67 (620)	20 1/2" (520)		16.95 (1.575)
W342	7.10 (660)	33 1/2" (860)	30 1/2" (768)	12.89 (1,198)	19' 9" (6020)		7.13 (667)	16 1/2" (418)		17.99 (1.671)
W347	7.58 (704)	33 1/2" (860)	32 1/2" (819)	13.75 (1,277)	20' 5" (6223)		7.61 (707)	12 1/2" (317)		19.04 (1.789)
W352	8.05 (748)	33 1/2" (860)	34 1/2" (870)	14.61 (1,357)	21' 1" (6426)		8.08 (751)	8 1/2" (215)		20.08 (1.885)
W357	8.52 (800)	33 1/2" (860)	36 1/2" (921)	15.47 (1,437)	21' 9" (6629)		8.55 (795)	48 1/2" (1231)		21.13 (1.987)
W362	8.99 (843)	33 1/2" (860)	38 1/2" (972)	16.33 (1,517)	22' 5" (6832)		9.02 (839)	44 1/2" (1130)		22.18 (2.089)
W367	9.46 (886)	33 1/2" (860)	40 1/2" (1,023)	17.19 (1,597)	23' 1" (7035)		9.49 (883)	40 1/2" (1028)		23.23 (2.191)
W372	9.93 (929)	33 1/2" (860)	42 1/2" (1,074)	18.05 (1,677)	23' 9" (7238)		9.96 (927)	36 1/2" (926)		24.28 (2.293)
W377	10.40 (972)	33 1/2" (860)	44 1/2" (1,125)	18.91 (1,757)	24' 5" (7441)		10.43 (971)	32 1/2" (825)		25.33 (2.395)
W382	10.87 (1,015)	33 1/2" (860)	46 1/2" (1,176)	19.77 (1,837)	25' 1" (7644)		10.90 (1,015)	28 1/2" (723)		26.38 (2.497)
W387	11.34 (1,058)	33 1/2" (860)	48 1/2" (1,227)	20.63 (1,917)	25' 9" (7847)		11.37 (1,058)	24 1/2" (622)		27.43 (2.599)
W392	11.81 (1,101)	33 1/2" (860)	50 1/2" (1,278)	21.49 (2,000)	26' 5" (8050)		11.84 (1,101)	20 1/2" (520)		28.48 (2.701)
W397	12.28 (1,144)	33 1/2" (860)	52 1/2" (1,329)	22.35 (2,080)	27' 1" (8253)		12.31 (1,144)	16 1/2" (418)		29.53 (2.803)
W402	12.75 (1,187)	33 1/2" (860)	54 1/2" (1,380)	23.21 (2,160)	27' 9" (8456)		12.78 (1,187)	12 1/2" (317)		30.58 (2.905)
W407	13.22 (1,230)	33 1/2" (860)	56 1/2" (1,431)	24.07 (2,240)	28' 5" (8659)		13.25 (1,230)	8 1/2" (215)		31.63 (2.907)
W412	13.69 (1,273)	33 1/2" (860)	58 1/2" (1,482)	24.93 (2,320)	29' 1" (8862)		13.72 (1,273)	48 1/2" (1231)		32.68 (3.009)
W417	14.16 (1,316)	33 1/2" (860)	60 1/2" (1,533)	25.79 (2,400)	29' 9" (9065)		14.19 (1,316)	44 1/2" (1130)		33.73 (3.111)
W422	14.63 (1,359)	33 1/2" (860)	62 1/2" (1,584)	26.65 (2,480)	30' 5" (9268)		14.66 (1,359)	40 1/2" (1028)		34.78 (3.213)
W427	15.10 (1,402)	33 1/2" (860)	64 1/2" (1,635)	27.51 (2,560)	31' 1" (9471)		15.13 (1,402)	36 1/2" (926)		35.83 (3.315)
W432	15.57 (1,445)	33 1/2" (860)	66 1/2" (1,686)	28.37 (2,640)	31' 9" (9674)		15.60 (1,445)	32 1/2" (825)		36.88 (3.417)
W437	16.04 (1,488)	33 1/2" (860)	68 1/2" (1,737)	29.23 (2,720)	32' 5" (9877)		16.07 (1,488)	28 1/2" (723)		37.93 (3.519)
W442	16.51 (1,531)	33 1/2" (860)	70 1/2" (1,788)	30.09 (2,800)	33' 1" (10080)		16.54 (1,531)	24 1/2" (622)		38.98 (3.621)
W447	16.98 (1,574)	33 1/2" (860)	72 1/2" (1,839)	30.95 (2,880)	33' 9" (10283)		17.01 (1,574)	20 1/2" (520)		40.03 (3.723)
W452	17.45 (1,617)	33 1/2" (860)	74 1/2" (1,890)	31.81 (2,960)	34' 5" (10486)		17.48 (1,617)	16 1/2" (418)		41.08 (3.825)
W457	17.92 (1,660)	33 1/2" (860)	76 1/2" (1,941)	32.67 (3,040)	35' 1" (10689)		17.95 (1,660)	12 1/2" (317)		42.13 (3.927)
W462	18.39 (1,703)	33 1/2" (860)	78 1/2" (1,992)	33.53 (3,120)	35' 9" (10892)		18.42 (1,703)	8 1/2" (215)		43.18 (4.029)
W467	18.86 (1,746)	33 1/2" (860)	80 1/2" (2,043)	34.39 (3,200)	36' 5" (11095)		18.89 (1,746)	48 1/2" (1231)		44.23 (4.131)
W472	19.33 (1,789)	33 1/2" (860)	82 1/2" (2,094)	35.25 (3,280)	37' 1" (11298)		19.36 (1,789)	44 1/2" (1130)		45.28 (4.233)
W477	19.80 (1,832)	33 1/2" (860)	84 1/2" (2,145)	36.11 (3,360)	37' 9" (11501)		19.83 (1,832)	40 1/2" (1028)		46.33 (4.335)
W482	20.27 (1,875)	33 1/2" (860)	86 1/2" (2,196)	36.97 (3,440)	38' 5" (11704)		20.30 (1,875)	36 1/2" (926)		47.38 (4.437)
W487	20.74 (1,918)	33 1/2" (860)	88 1/2" (2,247)	37.83 (3,520)	39' 1" (11907)		20.77 (1,918)	32 1/2" (825)		48.43 (4.539)
W492	21.21 (1,961)	33 1/2" (860)	90 1/2" (2,298)	38.69 (3,600)	39' 9" (12110)		21.24 (1,961)	28 1/2" (723)		49.48 (4.641)
W497	21.68 (2,004)	33 1/2" (860)	92 1/2" (2,349)	39.55 (3,680)	40' 5" (12313)		21.71 (2,004)	24 1/2" (622)		50.53 (4.743)
W502	22.15 (2,047)	33 1/2" (860)	94 1/2" (2,400)	40.41 (3,760)	41' 1" (12516)		22.18 (2,047)	20 1/2" (520)		51.58 (4.845)
W507	22.62 (2,090)	33 1/2" (860)	96 1/2" (2,451)	41.27 (3,840)	41' 9" (12719)		22.65 (2,090)	16 1/2" (418)		52.63 (4.947)
W512	23.09 (2,133)	33 1/2" (860)	98 1/2" (2,502)	42.13 (3,920)	42' 5" (12922)		23.12 (2,133)	12 1/2" (317)		53.68 (5.049)
W517	23.56 (2,176)	33 1/2" (860)	100 1/2" (2,553)	42.99 (4,000)	43' 1" (13125)		23.59 (2,176)	8 1/2" (215)		54.73 (5.151)
W522	24.03 (2,219)	33 1/2" (860)	102 1/2" (2,604)	43.85 (4,080)	43' 9" (13328)		24.06 (2,219)	48 1/2" (1231)		55.78 (5.253)
W527	24.50 (2,262)	33 1/2" (860)	104 1/2" (2,655)	44.71 (4,160)	44' 5" (13531)		24.53 (2,262)	44 1/2" (1130)		56.83 (5.355)
W532	24.97 (2,305)	33 1/2" (860)	106 1/2" (2,706)	45.57 (4,240)	45' 1" (13734)		25.00 (2,305)	40 1/2" (1028)		57.88 (5.457)
W537	25.44 (2,348)	33 1/2" (860)	108 1/2" (2,757)	46.43 (4,320)	45' 9" (13937)		25.47 (2,348)	36 1/2" (926)		58.93 (5.559)
W542	25.91 (2,391)	33 1/2" (860)	110 1/2" (2,808)	47.29 (4,400)	46' 5" (14140)		25.94 (2,391)	32 1/2" (825)		59.98 (5.661)
W547	26.38 (2,434)	33 1/2" (860)	112 1/2" (2,859)	48.15 (4,480)	47' 1" (14343)		26.41 (2,434)	28 1/2" (723)		61.03 (5.763)
W552	26.85 (2,477)	33 1/2" (860)	114 1/2" (2,910)	49.01 (4,560)	47' 9" (14546)		26.88 (2,477)	24 1/2" (622)		62.08 (5.865)
W557	27.32 (2,520)	33 1/2" (860)	116 1/2" (2,961)	49.87 (4,640)	48' 5" (14749)		27.35 (2,520)	20 1/2" (520)		63.13 (5.967)
W562	27.79 (2,563)	33 1/2" (860)	118 1/2" (3,012)	50.73 (4,720)	49' 1" (14952)		27.82 (2,563)	16 1/2" (418)		64.18 (6.069)
W567	28.26 (2,606)	33 1/2" (860)	120 1/2" (3,063)	51.59 (4,800)	49' 9" (15155)		28.29 (2,606)	12 1/2" (317)		65.23 (6.171)
W572	28.73 (2,649)	33 1/2" (860)	122 1/2" (3,114)	52.45 (4,880)	50' 5" (15358)		28.76 (2,649)	8 1/2" (215)		66.28 (6.273)
W577	29.20 (2,692)	33 1/2" (860)	124 1/2" (3,165)	53.31 (4,960)	51' 1" (15561)		29.23 (2,692)	48 1/2" (1231)		67.33 (6.375)
W582	29.67 (2,735)	33 1/2" (860)	126 1/2" (3,216)	54.17 (5,040)	51' 9" (15764)		29.70 (2,735)	44 1/2" (1130)		68.38 (6.477)
W587	30.14 (2,778)	33 1/2" (860)	128 1/2" (3,267)	55.03 (5,120)	52' 5" (15967)		30.17 (2,778)	40 1/2" (1028)		69.43 (6.579)
W592	30.61 (2,821)	33 1/2" (860)	130 1/2" (3,318)	55.89 (5,200)	53' 1" (16170)		30.64 (2,821)	36 1/2" (926)		70.48 (6.681)
W597	31.08 (2,864)	33 1/2" (860)	132 1/2" (3,369)	56.75 (5,280)	53' 9" (16373)		31.11 (2,864)	32 1/2" (825)		71.53 (6.783)
W602	31.55 (2,907)	33 1/2" (860)	134 1/2" (3,420)	57.61 (5,360)	54' 5" (16576)		31.58 (2,907)	28 1/2" (723)		72.58 (6.885)
W607	32.02 (2,950)	33 1/2" (860)	136 1/2" (3,471)	58.47 (5,440)	55' 1" (16779)		32.05 (2,950)	24 1/2" (622)		73.63 (6.987)
W612	32.49 (2,993)	33 1/2" (860)	138 1/2" (3,522)	59.33 (5,520)	55' 9" (16982)		32.52 (2,993)	20 1/2" (520)		74.68 (7.089)
W617	32.96 (3,036)	33 1/2" (860)	140 1/2" (3,573)	60.19 (5,600)	56' 5" (17185)		32.99 (3,036)	16 1/2" (418)		75.73 (7.191)
W622	33.43 (3,079)	33 1/2" (860)	142 1/2" (3,624)	61.05 (5,680)	57' 1" (17388)		33.46 (3,079)	12 1/2" (317)		76.78 (7.293)
W627	33.90 (3,122)	33 1/2" (860)	144 1/2" (3,675)	61.91 (5,760)	57' 9" (17591)		33.93 (3,122)	8 1/2" (215)		77.83 (7.395)
W632	34.37 (3,165)	33 1/2" (860)	146 1/2" (3,726)	62.77 (5,840)	58' 5" (17794)		34.40 (3,165)	48 1/2" (1231)		78.88 (7.497)
W637	34.84 (3,208)	33 1/2" (860)	148 1/2" (3,777)	63.63 (5,920)	59' 1" (17997)		34.87 (3,208)	44 1/2" (1130)		79.93 (7.599)
W642	35.31 (3,251)	33 1/2" (860)	150 1/2" (3,828)	64.49 (6,000)	59' 9" (18200)		35.34 (3,251)	40 1/2" (1028)		80.98 (7.701)
W647	35.78 (3,294)	33 1/2" (860)	152 1/2" (3,879)	65.35 (6,080)	60' 5" (18403)		35.81 (3,294)	36 1/2" (926)		82.03 (7.803)
W652	36.25 (3,337)	33 1/2" (860)	154 1/2" (3,930)	66.21 (6,160)	61' 1" (18606)		36.28 (3,337)	32 1/2" (825)		83.08 (7.905)
W657	36.72 (3,380)	33 1/2" (860)	156 1/2" (3,981)	67.07 (6,240)	61' 9" (18809)		36.75 (3,380)	28 1/2" (723)		84.13 (7.907)
W662	37.19 (3,423)	33 1/2" (860)	158 1/2" (4,032)	67.93 (6,320)	62' 5" (19012)		37.22 (3,423)	24 1/2" (622)		85.18 (8.009)
W667	37.66 (3,466)	33 1/2" (860)	160 1/2" (4,083)	68.79 (6,400)	63' 1" (19215)		37.69 (3,466)	20 1/2" (520)		86.23 (8.111)
W672	38.13 (3,509)	33 1/2" (860)	162 1/2" (4,134)	69.65 (6,480)	63' 9" (19418)		38.16 (3,509)	16 1/2" (418)		87.28 (8.213)
W677	38.60 (3,552)	33 1/2" (860)	164 1/2" (4,185)	70.51 (6,560)	64' 5" (19621)		38.63 (3,552)	12 1/2" (317)		88.33 (8.315)
W682	39.07 (3,595)	33 1/2" (860)	166 1/2" (4,236)	71.37 (6,640)	65' 1" (19824)		39.10 (3,595)	8 1/2" (215)		89.38 (8.417)
W687	39.54 (3,638)	33 1/2" (860)	168 1/2" (4,287)	72.23 (6,720)	65' 9" (20027)		39.57 (3,638)	48 1/2" (1231)		90.43 (8.519)
W692	40.01 (3,681)	33 1/2" (860)	170 1/2" (4,338)	73.09 (6,800)	66' 5" (20230)					