

City of Portland, Maine - Building or Use Permit Application

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

PERMIT ISSUED

Permit No: 0-051144	Issue Date: 2 9 2001	CBL: 430 A019001, 22, 24
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Location of Construction: 20 Berwick St	Owner Name: Chapman Andrew W &	Owner Address: 20 Berwick St Portland, ME 04101	Phone: 207-879-0069
Business Name: n/a	Contractor Name: no contractor/self	Contractor Address: n/a n/a	Phone: 2078790069
Lessee/Buyer's Name: n/a	Phone: n/a	Permit Type: Additions - Dwellings	Zone: R-3

Past Use: Single Family	Proposed Use: Same: Build 14' X 33' Addition. Call Andrew Berwick at 879-0069 when ready.	Permit Fee: \$300.00	Cost of Work: \$46,000.00	CEO District: 2	12,050 #
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Proposed Project Description: Build 14' X 33' Addition.	<p>FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied</p> <p>INSPECTION: Use Group: A-3 Type: 5B</p> <p>Signature: [Signature]</p> <p>PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)</p> <p>Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied</p> <p>Signature: [Signature] Date: [Signature]</p>
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Permit Taken By: cjh	Date Applied For: 05/18/2001	Zoning Approval
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<p>1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</p> <p>2. Building permits do not include plumbing, septic or electrical work.</p> <p>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..</p>	<p>Special Zone or Reviews</p> <p><input type="checkbox"/> Shoreland <i>outside the 250' overlay</i></p> <p><input type="checkbox"/> Wetland</p> <p><input type="checkbox"/> Flood Zone</p> <p><input type="checkbox"/> Subdivision <i>to remove a single family</i></p> <p><input type="checkbox"/> Site Plan</p> <p>Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/></p> <p>Date: <i>5/25/01</i></p>	<p>Zoning Appeal</p> <p><input type="checkbox"/> Variance</p> <p><input type="checkbox"/> Miscellaneous</p> <p><input type="checkbox"/> Conditional Use</p> <p><input type="checkbox"/> Interpretation</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Denied</p> <p>Date: [Signature]</p>	<p>Historic Preservation</p> <p><input checked="" type="checkbox"/> Not in District or Landmark</p> <p><input type="checkbox"/> Does Not Require Review</p> <p><input type="checkbox"/> Requires Review</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Approved w/Conditions</p> <p><input type="checkbox"/> Denied</p> <p>Date: [Signature]</p>
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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 provision of the code(s) applicable to such permit.

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

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

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

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

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

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

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

A PLOT PLAN INCLUDES THE FOLLOWING:

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

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

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

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

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

Certification

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

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

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

BUILDING PERMIT REPORT

DATE: 18 MAY 2001 ADDRESS: 20 Berwick ST CBL: 430-A-019
 REASON FOR PERMIT: To Construct a 14'x33' addition
 BUILDING OWNER: A.W. Chapman

PERMIT APPLICANT: CONTRACTOR SAO

USE GROUP: R-3 CONSTRUCTION TYPE: 5B CONSTRUCTION COST: \$46,000.00 PERMIT FEES: \$300.00

The City's Adopted Building Code (The BOCA National Building Code/1999 with City Amendments)
 The City's Adopted Mechanical Code (The BOCA National Mechanical Code/1993)

CONDITION(S) OF APPROVAL

This permit is being issued with the understanding that the following conditions shall be met: #1, #2, #4, #11, #13, #14, #15, #16, #20, #28, #30, #33, #35, #36, #37

1. This permit does not excuse the applicant from meeting applicable State and Federal rules and laws.
2. Before concrete for foundation is placed, approvals from the Development Review Coordinator and Inspection Services must be obtained. (A 24 hour notice is required prior to inspection) **"ALL LOT LINES SHALL BE CLEARLY MARKED BEFORE CALLING."**
3. Foundation drain shall be placed around the perimeter of a foundation that consists of gravel or crushed stone containing not more than 10 percent material that passes through a No. 4 sieve. The drain shall extend a minimum of 12 inches beyond the outside edge of the footing. The thickness shall be such that the bottom of the drain is not higher than the bottom of the base under the floor, and that the top of the drain is not less than 6 inches above the top of the footing. The top of the drain shall be covered with an approved filter membrane material. Where a drain tile or perforated pipe is used, the invert of the pipe or tile shall not be higher than the floor elevation. The top of joints or top of perforations shall be protected with an approved filter membrane material. The pipe or tile shall be placed on not less than 2" of gravel or crushed stone, and shall be covered with not less than 6" of the same material. Section 1813.5.2
4. Foundations anchors shall be a minimum of 1/2" in diameter, 7" into the foundation wall, minimum of 12" from corners of foundation and a maximum 6' O.C. between bolts. Section 2305.17
5. Waterproofing and dampproofing shall be done in accordance with Section 1813.0 of the building code.
6. Precaution must be taken to protect concrete and masonry. Concrete Sections 1908.9-19.8.10/ Masonry Sections 2111.3-2111.4.
7. It is strongly recommended that a registered land surveyor check all foundation forms before concrete is placed. This is done to verify that the proper setbacks are maintained.
8. Private garages located beneath habitable rooms in occupancies in Use Group R-1, R-2, R-3 or I-1 shall be separated from adjacent interior spaces by fire partitions and floor/ceiling assembly which are constructed with not less than 1-hour fire resisting rating. Private garages attached side-by-side to rooms in the above occupancies shall be completely separated from the interior spaces and the attic area by means of 1/2 inch gypsum board or the equivalent applied to the garage side. (Chapter 4, Section 407.0 of the BOCA/1999)
9. All chimneys and vents shall be installed and maintained as per Chapter 12 of the City's Mechanical Code. (The BOCA National Mechanical Code/1993). Chapter 12 & NFPA 211
10. Sound transmission control in residential building shall be done in accordance with Chapter 12, Section 1214.0 of the City's Building Code.
11. Guardrails & Handrails: A guardrail system is a system of building components located near the open sides of elevated walking surfaces for the purpose of minimizing the possibility of an accidental fall from the walking surface to the lower level. Minimum height all Use Groups 42". In occupancies in Use Group A, B, H-4, I-1, I-2, M, R, public garages and open parking structures, open guards shall have balusters or be of solid material such that a sphere with a diameter of 4" cannot pass through any opening. Guards shall not have an ornamental pattern that would provide a ladder effect. Handrails shall be a minimum of 34" but not more than 38". Exception: Handrails that form part of a guard shall have a height not less than 36 inches (914 mm) and not more than 42 inches (1067 mm). Handrail grip size shall have a circular cross section with an outside diameter of at least 1 1/4" and not greater than 2". (Sections 1021 & 1022.0). Handrails shall be on both sides of stairway. (Section 1014.7)
12. Headroom in habitable space is a minimum of 7'6". (Section 1204.0)
13. Stair construction in Use Group R-3 & R-4 is a minimum of 10" tread and 7 1/4" maximum rise. All other Use Group minimum 11" tread, 7" maximum rise. (Section 1014.0)
14. The minimum headroom in all parts of a stairway shall not be less than 80 inches. (6'8") 1014.4
15. The Minimum required width of a corridor shall be determined by the most restrictive of the criteria under section 1011.3 but not less than 36".
16. Every sleeping room below the fourth story in buildings of Use Groups R and I-1 shall have at least one operable window or exterior door approved for emergency egress or rescue. The units must be operable from the inside without the use of special knowledge or separate tools. Where windows are provided as means of egress or rescue they shall have a sill height not more than 44 inches (1118mm) above the floor. All egress or rescue windows from sleeping rooms shall have a minimum net clear opening height dimension of 24 inches (610mm). The minimum net clear opening width dimension shall be 20 inches (508mm), and a minimum net clear opening of 5.7 sq. ft. (Section 1010.4)
17. 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)
18. All vertical openings shall be enclosed with construction having a fire rating of at least one (1) hour, including fire doors with self closure's. (Over 3 stories in height requirements for fire rating is two (2) hours. (Section 710.0)
19. 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)

5/19

- X 20. All single and multiple station smoke detectors shall be of an approved type and shall be installed in accordance with the provisions of the City's Building Code Chapter 9, Section 920.3.2 (BOCA National Building Code/1999), and NFPA 101 Chapter 18 & 19. (Smoke detectors shall be installed and maintained at the following locations):
- In the immediate vicinity of bedrooms
 - In all bedrooms
 - In each story within a dwelling unit, including basements
21. 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)
22. The Fire Alarm System shall be installed and maintained to NFPA #72 Standard.
23. The Sprinkler System shall be installed and maintained to NFPA #13 Standard.
24. All exit signs, lights and means of egress lighting shall be done in accordance with Chapter 10 Section & Subsections 1023.0 & 1024.0 of the City's Building Code. (The BOCA National Building Code/1999)
25. 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".
26. The builder of a facility to which Section 4594-C of the Maine State Human Rights Act Title 5 MRSA refers, shall obtain a certification from a design professional that the plans commencing construction of the facility, the builder shall submit the certification the Division of Inspection Services.
- X 27. Ventilation and access shall meet the requirements of Chapter 12 Sections 1210.0 and 1211.0 of the City's Building Code. (Crawl spaces & attics).
- X 28. All electrical, plumbing and HVAC permits must be obtained by Master Licensed holders of their trade. No closing in of walls until all electrical (min. 72 hours notice) and plumbing inspections have been done.
29. All requirements must be met before a final Certificate of Occupancy is issued.
- X 30. 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).
31. 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)
32. Please read and implement the attached Land Use Zoning report requirements. *to remain a single family*
- X 33. Boring, cutting and notching shall be done in accordance with Sections 2305.3, 2305.3.1, 2305.4.4 and 2305.5.1 of the City's Building Code.
34. Bridging shall comply with Section 2305.16.
- X 35. Glass and glazing shall meet the requirements of Chapter 24 of the building code. (Safety Glazing Section 2406.0)
- X 36. All flashing shall comply with Section 1406.3.10.
37. All signage shall be done in accordance with Section 3102.0 signs of the City's Building Code, (The BOCA National Building Code/1999).

P. Samuel Hoffses, Building Inspector

Cc: Lt. McDougall, PFD
Marge Schmuckal, Zoning Administrator
Michael Nugent, Inspection Service Manager

PSH 10/1/00

***This permit is herewith issued, on the basis of plans submitted and conditions placed on these plans, any deviations shall require a separate approval.

***THIS PERMIT HAS BEEN ISSUED WITH THE UNDERSTANDING THAT ALL THE CONDITIONS OF THE APPROVAL SHALL BE COMPLETED. THEREFORE, BEFORE THE WORK IS COMPLETED A REVISED PLAN OR STATEMENT FROM THE PERMIT HOLDER SHALL BE SUBMITTED TO THIS OFFICE SHOWING OR EXPLAINING THAT THE CONDITIONS HAVE BEEN MET. IF THIS REQUIREMENT IS NOT RECEIVED YOUR CERTIFICATE OF OCCUPANCY SHALL BE WITHHELD. (You Shall Call for Inspections)

****ALL PLANS THAT REQUIRE A PROFESSIONAL DESIGNER'S SEAL, (AS PER SECTION 114.0 OF THE BUILDING CODE) SHALL ALSO BE PRESENTED TO THIS DIVISION ON AUTO CAD LT. 2000, DXF FORMAT OR EQUIVALENT.

*****CERTIFICATE OF OCCUPANCY FEE \$50.00

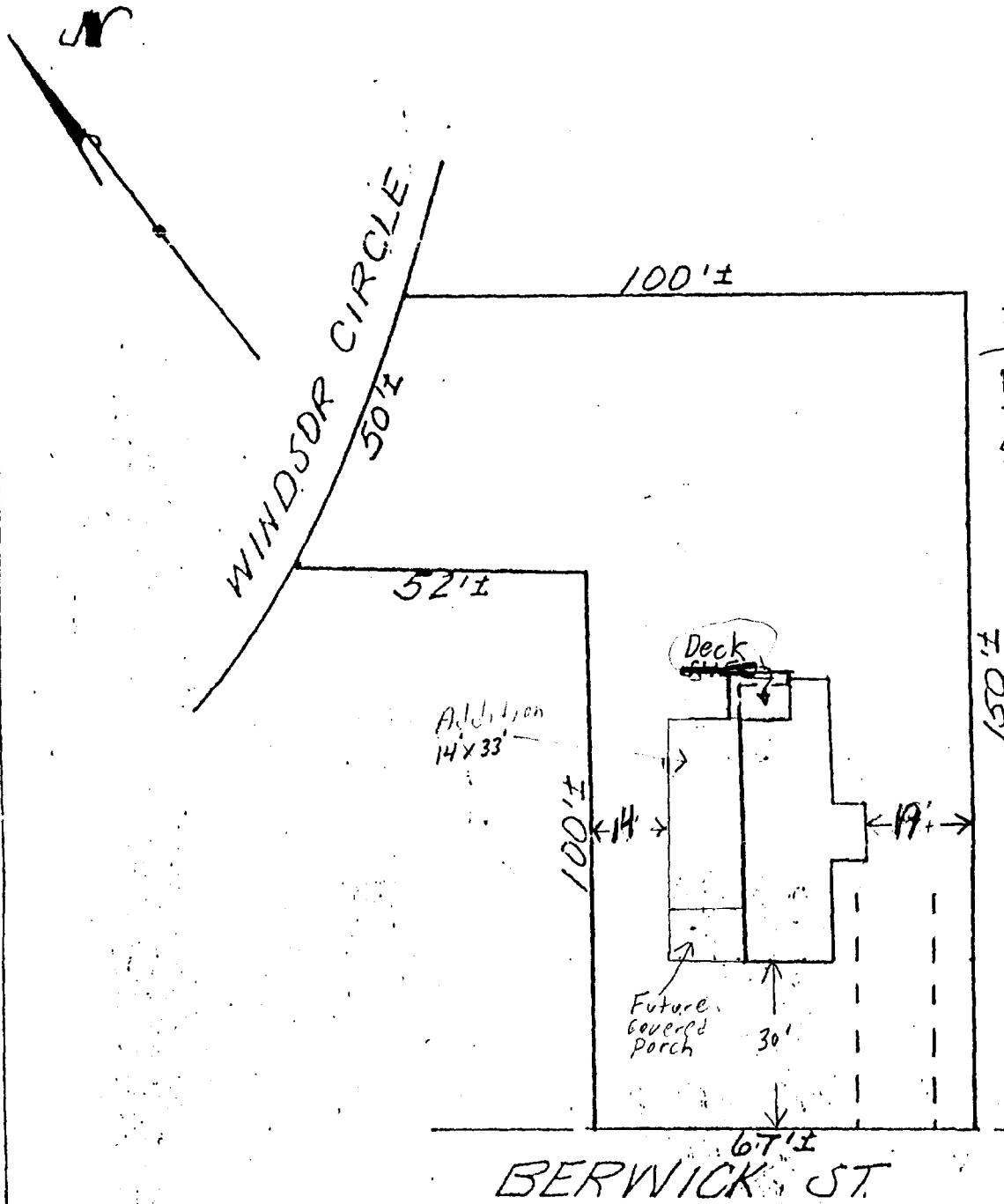
5/18/01

Marge

I have been in to see you
several times over the past year.
You said to remind you of this when I
put in for the application. The only
change is that we added the
GHC Now and a Fair will
Foundation

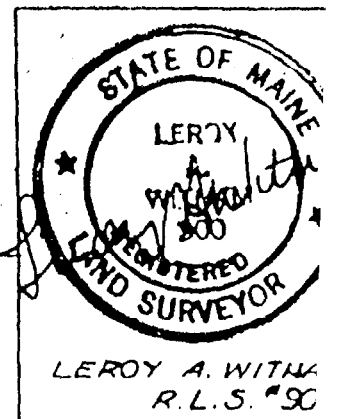
Andrew
Chapman

Location of Addition at 20 Berwick St.



2-3 Zone

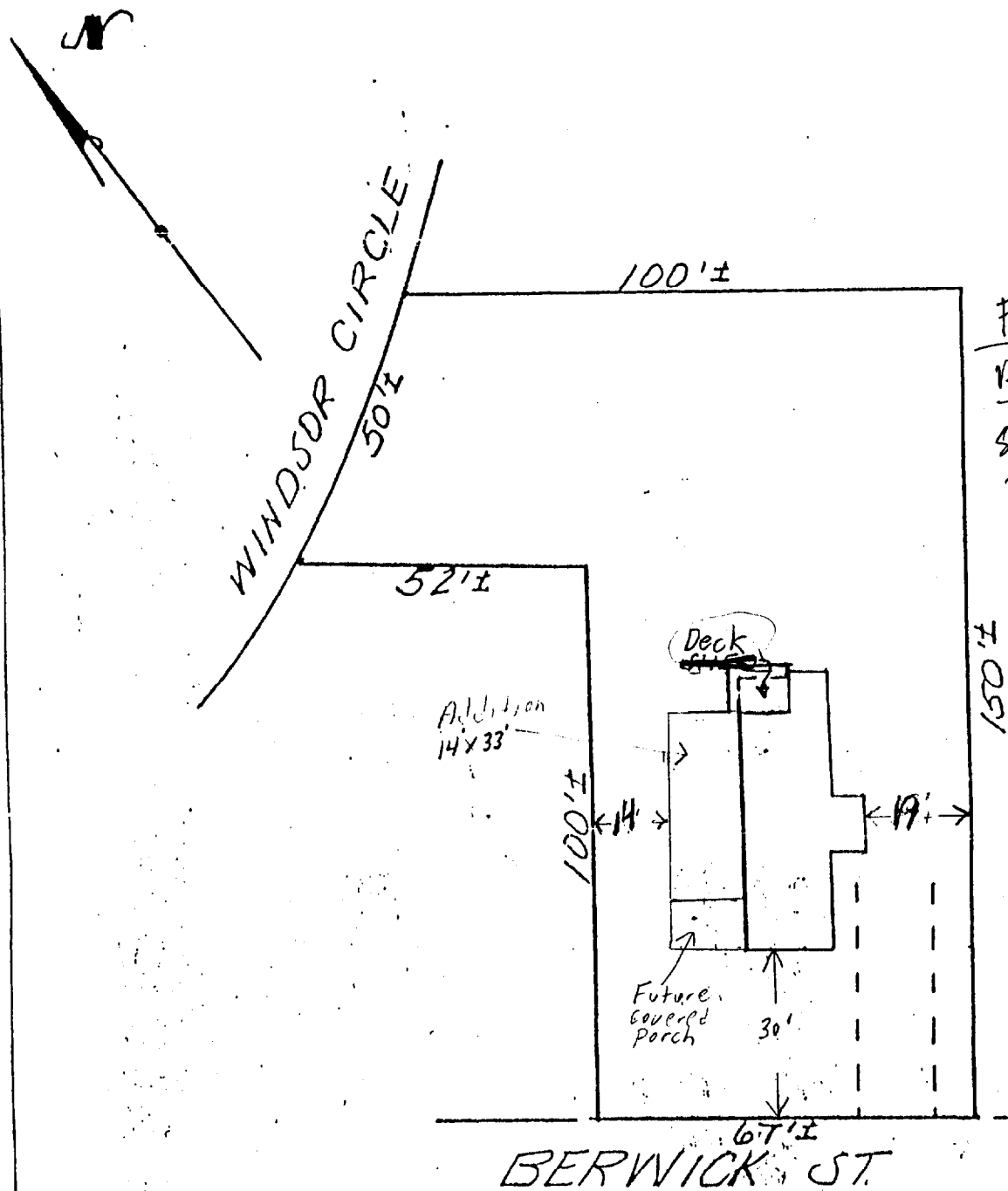
Front: 25' reg - 30' shown
 Rear: 25' reg - 25'± shown
 Sides: 14' reg - 14'± 19'± shown



LEROY A. WITHAM
 R.L.S. '90

I CERTIFY TO
 THE BOSTON FIVE MORTGAGE CORP. & TICOR TITLE INSURANCE CO.
 THAT THIS PLAN DEPICTS THE RESULTS OF A CURRENT EXAMINATION OF THE PREMISES
 DESCRIBED IN RECORD BOOK 1026 PAGE 98 OF THE CLUMBERLAND REGISTRY OF DEEDS
 AND THAT ALL EASEMENTS, ENCROACHMENTS AND BUILDINGS ARE LOCATED ON THE GROUND
 AS SHOWN HEREON.

Location of Addition at 20 Berwick St.

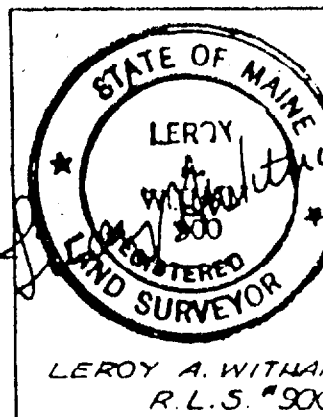


R-3 Zone

Front: 25' reg - 30' shown

Rear: 25' reg - 25' shown

Sides: 14' reg - 14' & 19' shown



I CERTIFY TO
THE BOSTON FIVE MORTGAGE CORP. & TICOR TITLE INSURANCE CO.
THAT THIS PLAN DEPICTS THE RESULTS OF A CURRENT EXAMINATION OF THE PREMISES
DESCRIBED IN RECORD BOOK ¹⁰²⁶ ~~6222~~ PAGE ⁹⁸ ~~100~~ OF THE CLUMBERLAND REGISTRY OF DEEDS
AND THAT ALL EASEMENTS, ENCROACHMENTS AND BUILDINGS ARE LOCATED ON THE GROUND
AS SHOWN HEREON.

NOTES:

1. THIS PLAN WAS NOT MADE FROM AN INSTRUMENT SURVEY AND IS NOT FOR RECORDING PURPOSES. THE PLAN SHOWS THE CONDITIONS EXISTING AS OF THE DATE SHOWN HEREON. CERTIFICATION IS FOR MORTGAGE PURPOSES ONLY. PROPERTY LINES AS SHOWN ARE APPARENT ONLY.
2. THE MUNICIPALITY HAS DETERMINED THAT THE PREMISES CONFORMED WITH LOCAL ZONING ORDINANCES AT TIME OF CONSTRUCTION.
3. IN ACCORDANCE WITH THE LOCAL MUNICIPALITY THE PREMISES DO NOT FALL WITHIN A FLOOD HAZARD ZONE.

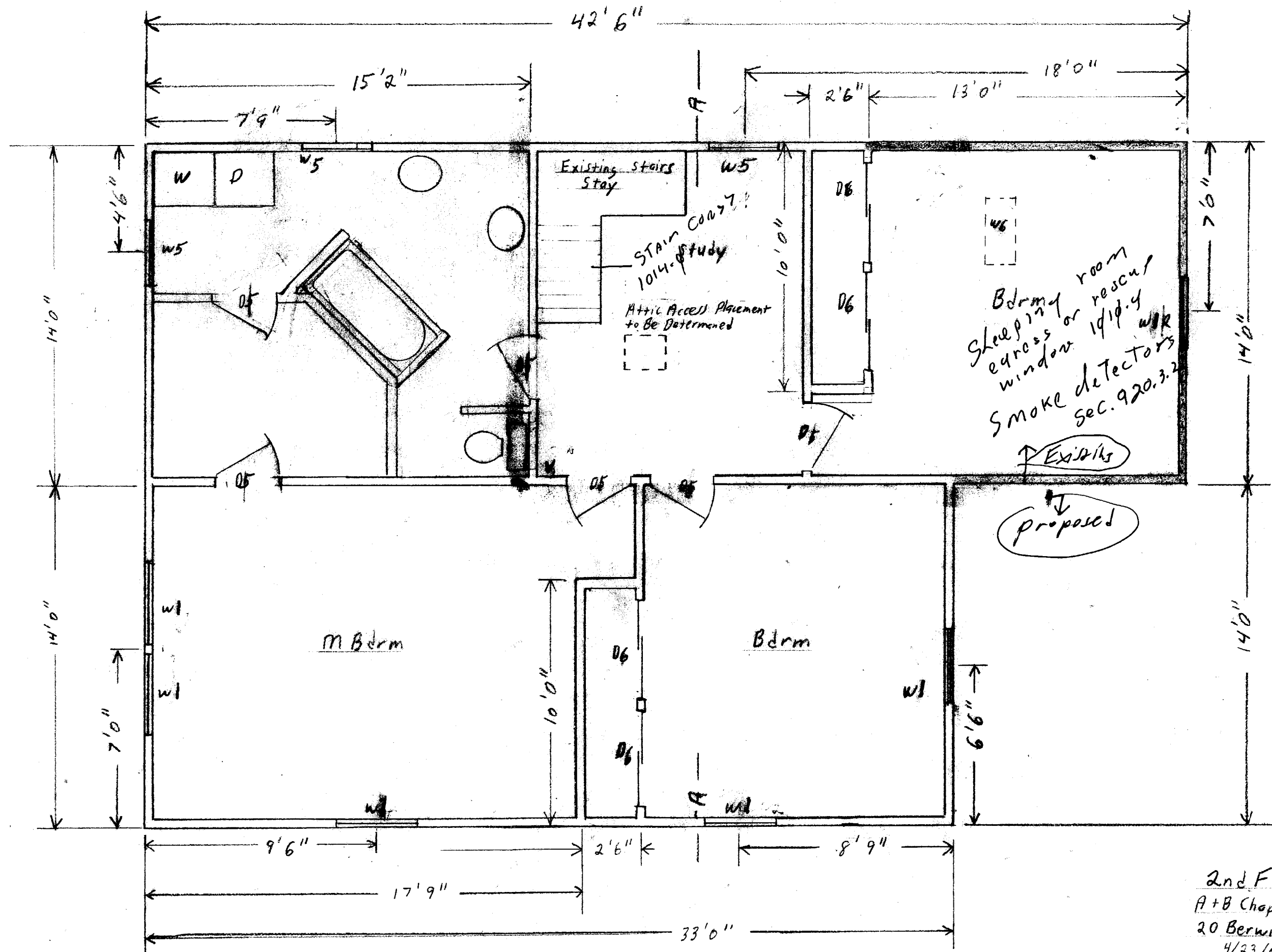
MORTGAGE CERTIFICATION SKETCH FOR

ANDREW CHAPMAN &
BETSY CHAPMAN
20 BERWICK ST
PORTLAND, ME

JANUARY 24, 1990 SCALE: 1"=3'

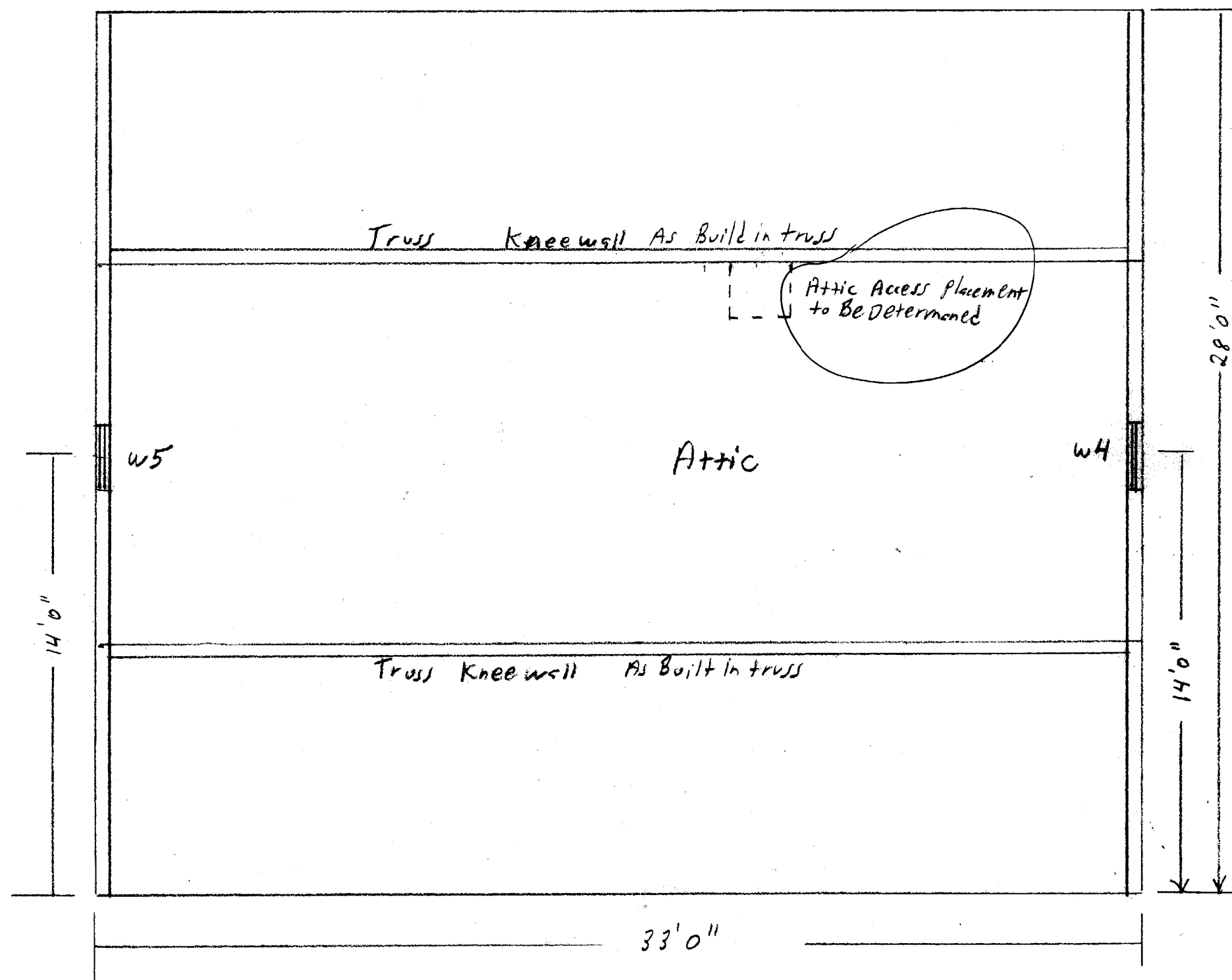
PREPARED BY AWI ENGINEERING CO.
W. SCARBOROUGH, MAINE

#2



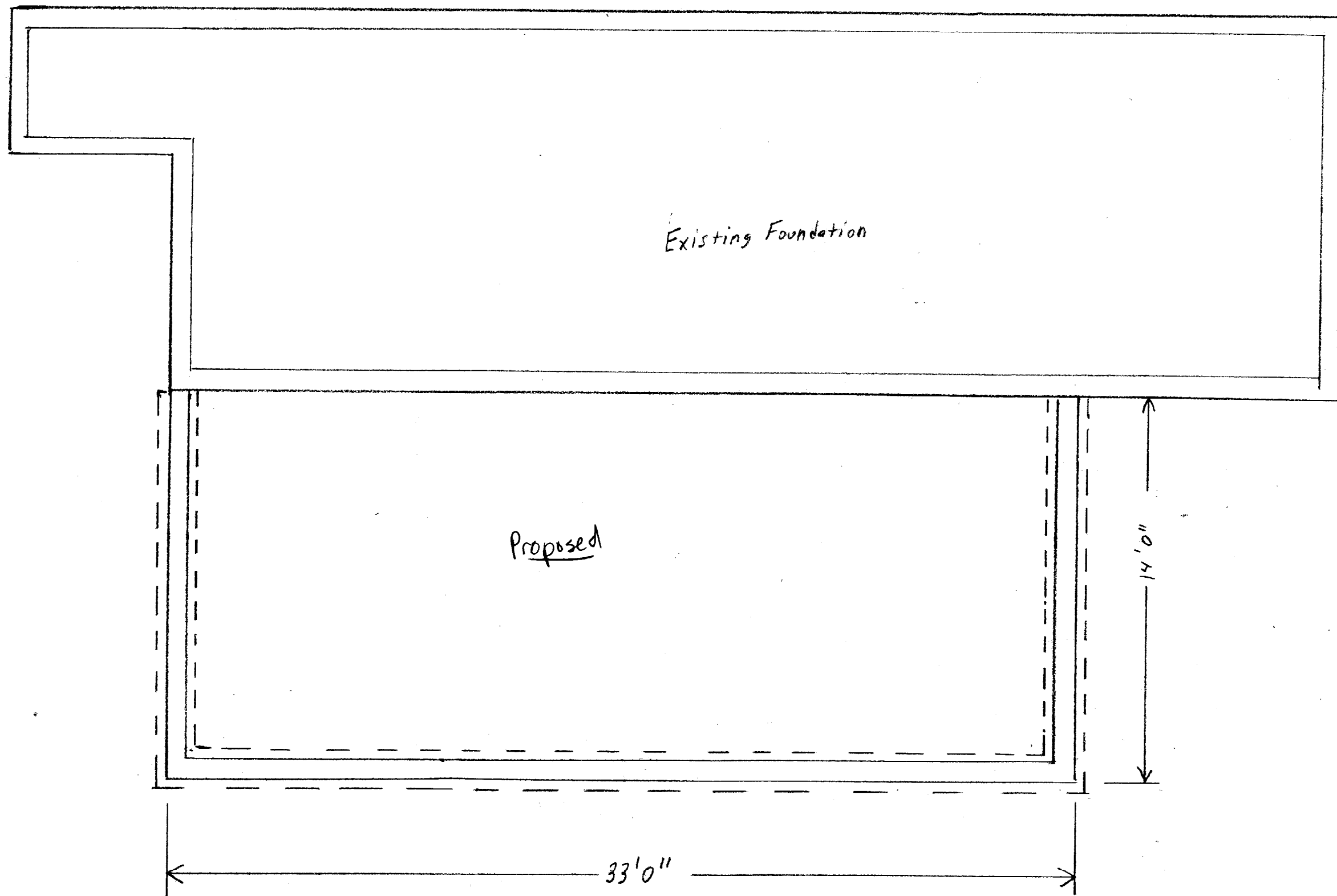
2nd Floor
 A+B Chapman
 20 Berwick St.
 4/23/01 1/4" = 1' 0"

3



Attic
A+B Chapman
20 Berwick St
1/4" = 1'0"

#4



#5

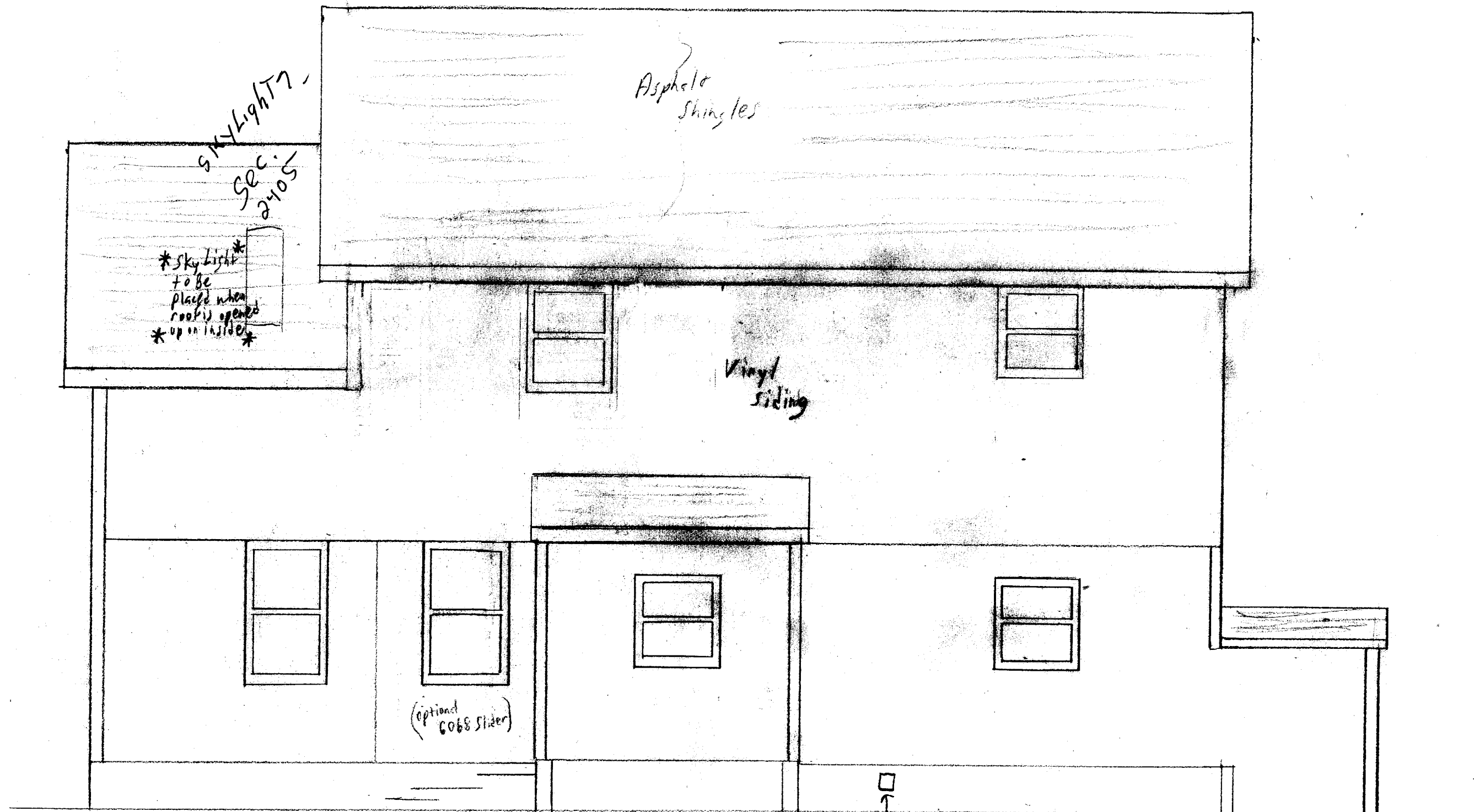


Front

Handrails
sec. 1022.0

$\frac{1}{4}'' = 1'0''$

A + B Chapman
20 Berwick St
Portland ME

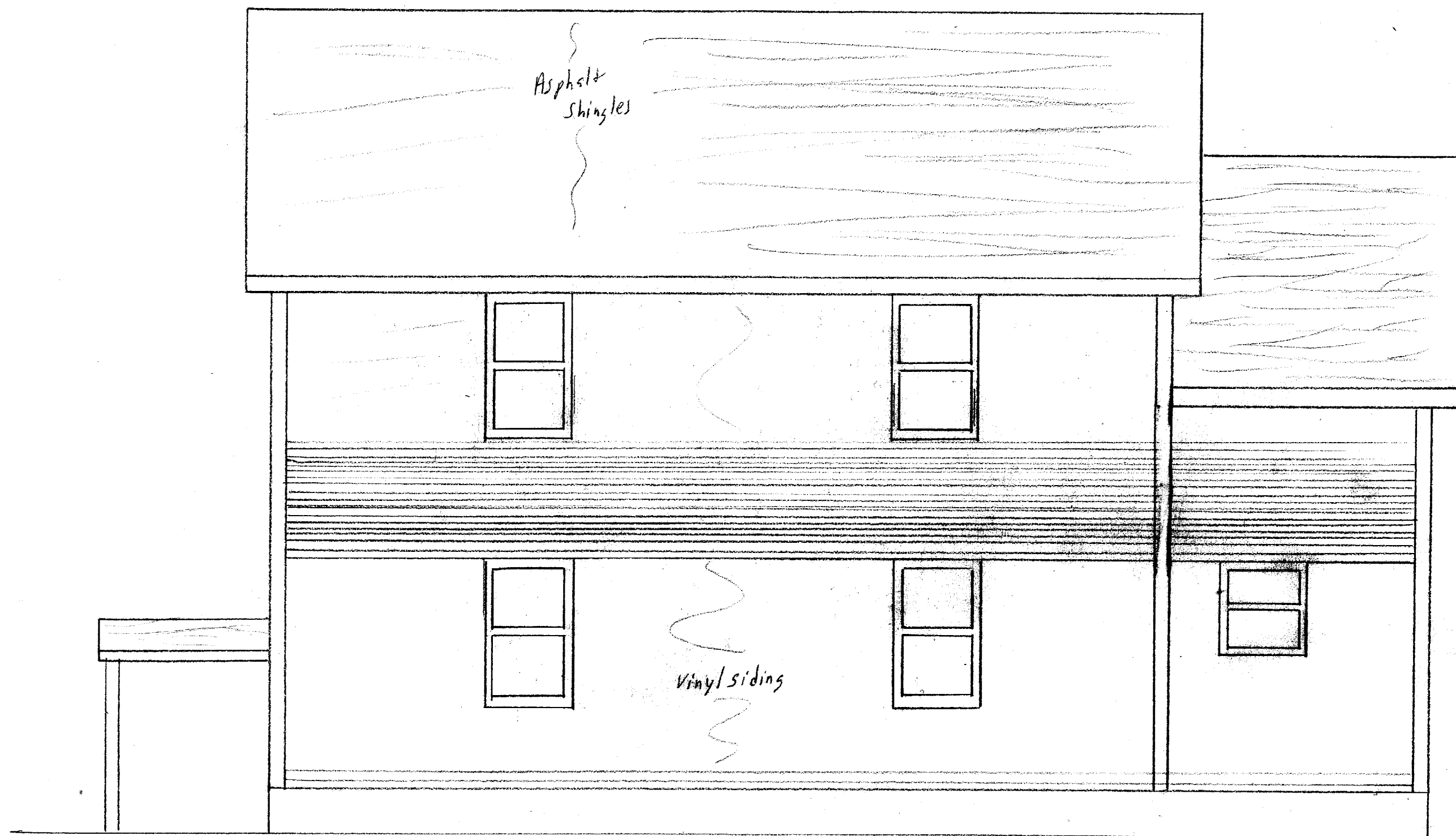


South

Aprox. Location of
Direct vent for
Movel Furnace (6er)

$\frac{1}{4}" = 1'0"$
A + B Chapman
20 Berwick St.

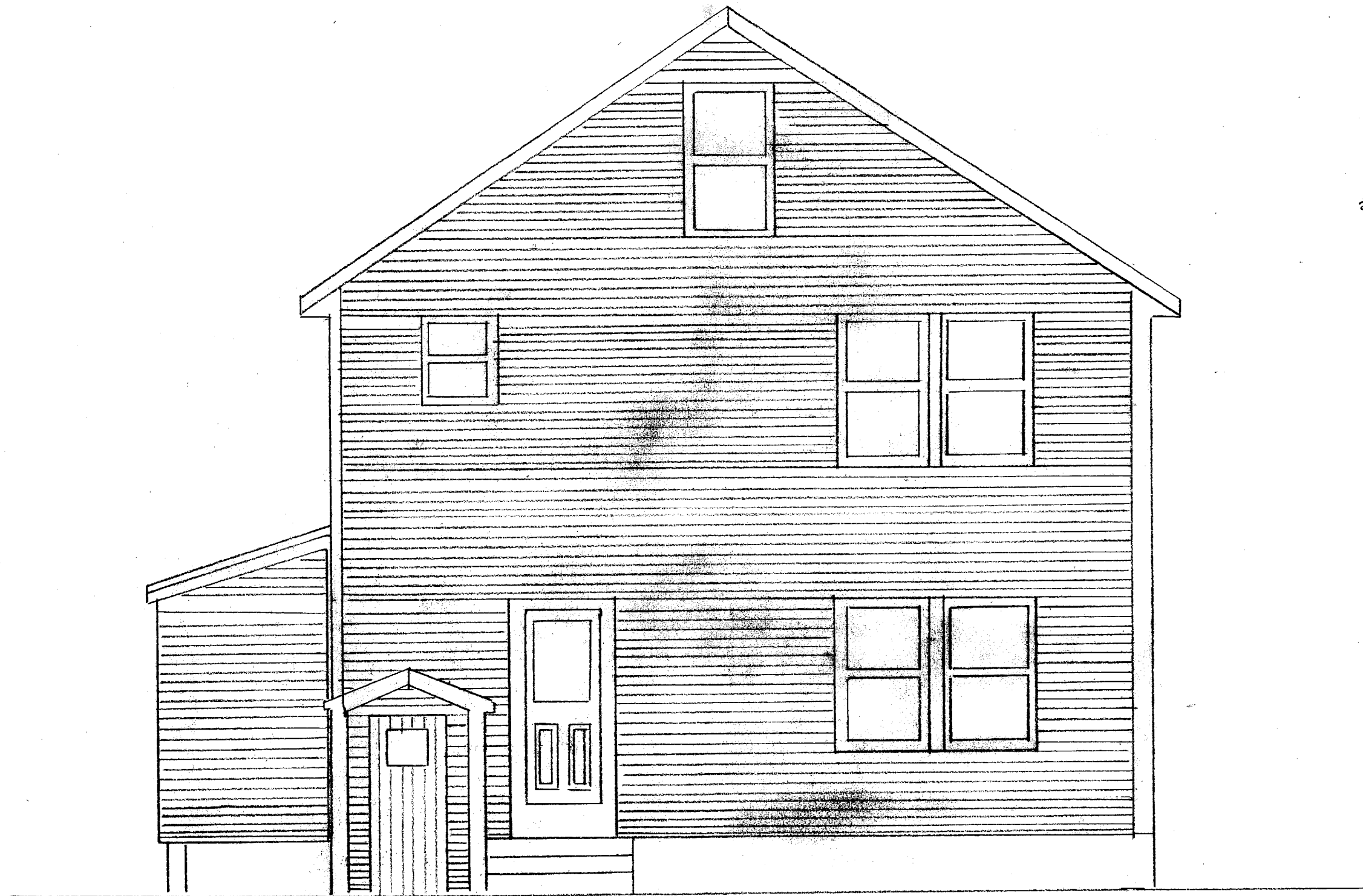
#7



West

$\frac{1}{4}'' = 1'0''$
A+B Chapman
20 Berwick St.

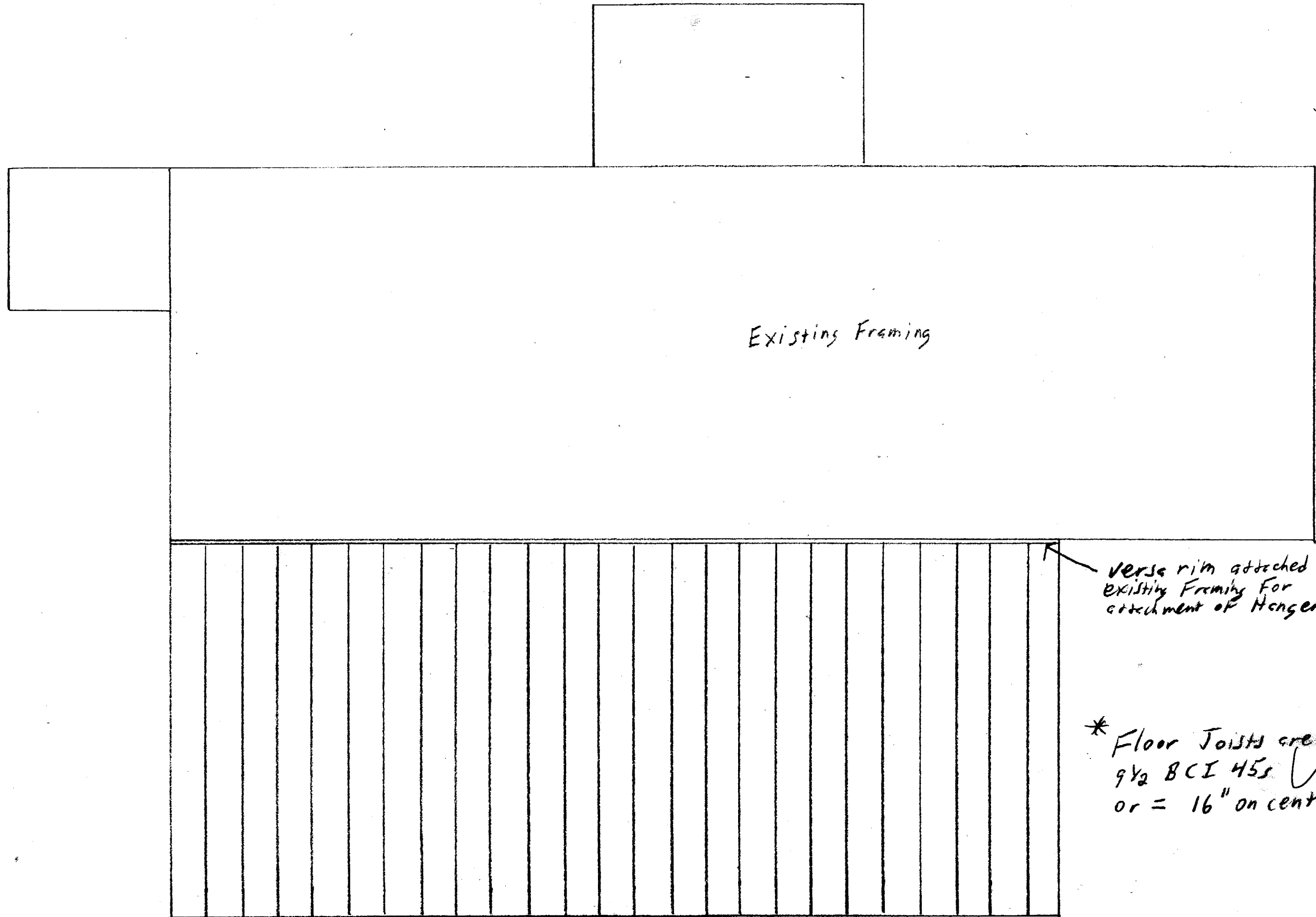
#8



Back

$\frac{1}{4}'' = 1'0''$
A+B Chapman
20 Berwick St.

#9

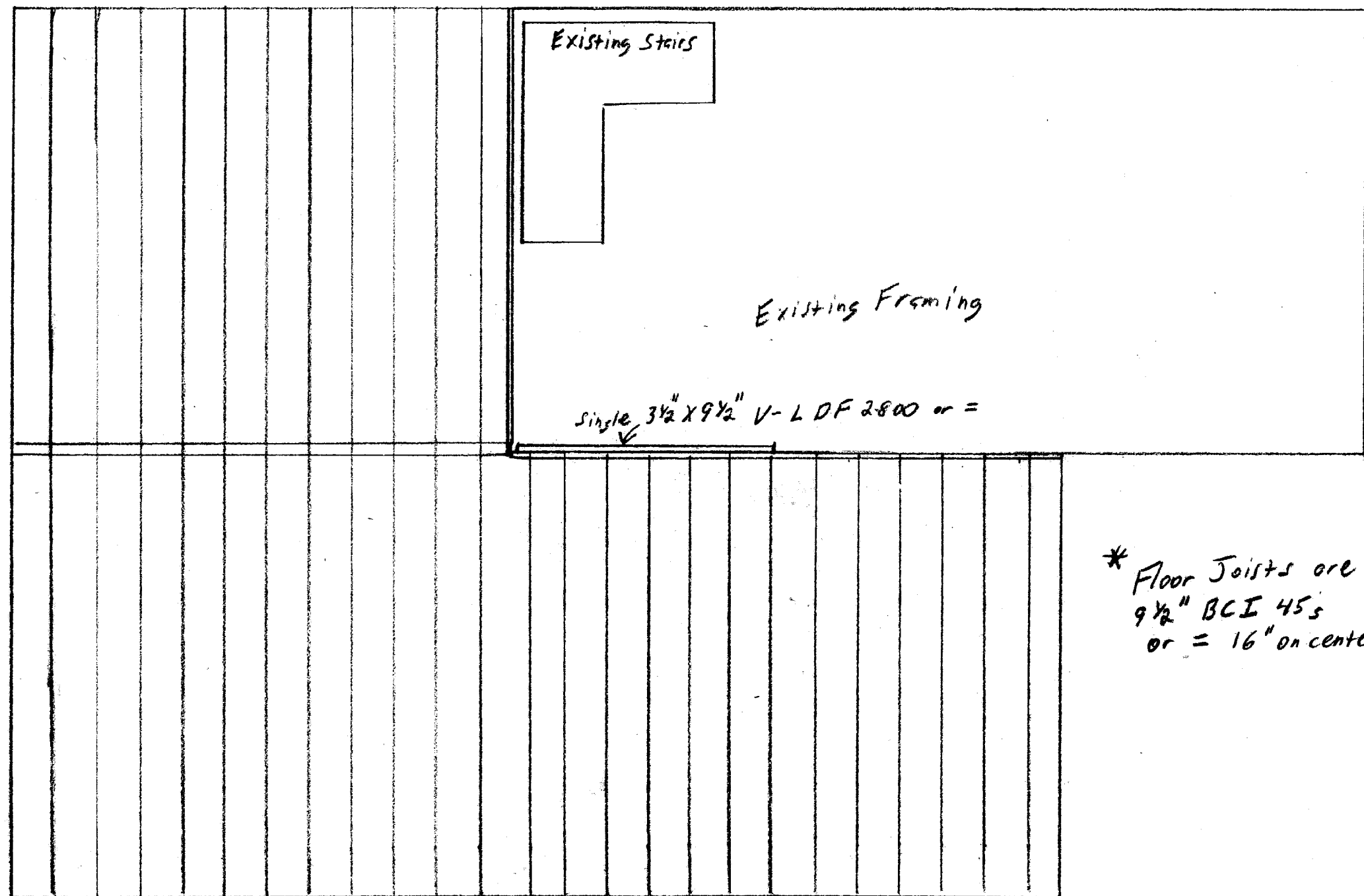


Existing Framing

verse rim attached to
existing framing for
attachment of Hangers

* Floor Joists are
9 1/2 BCI 45s
or = 16" on center

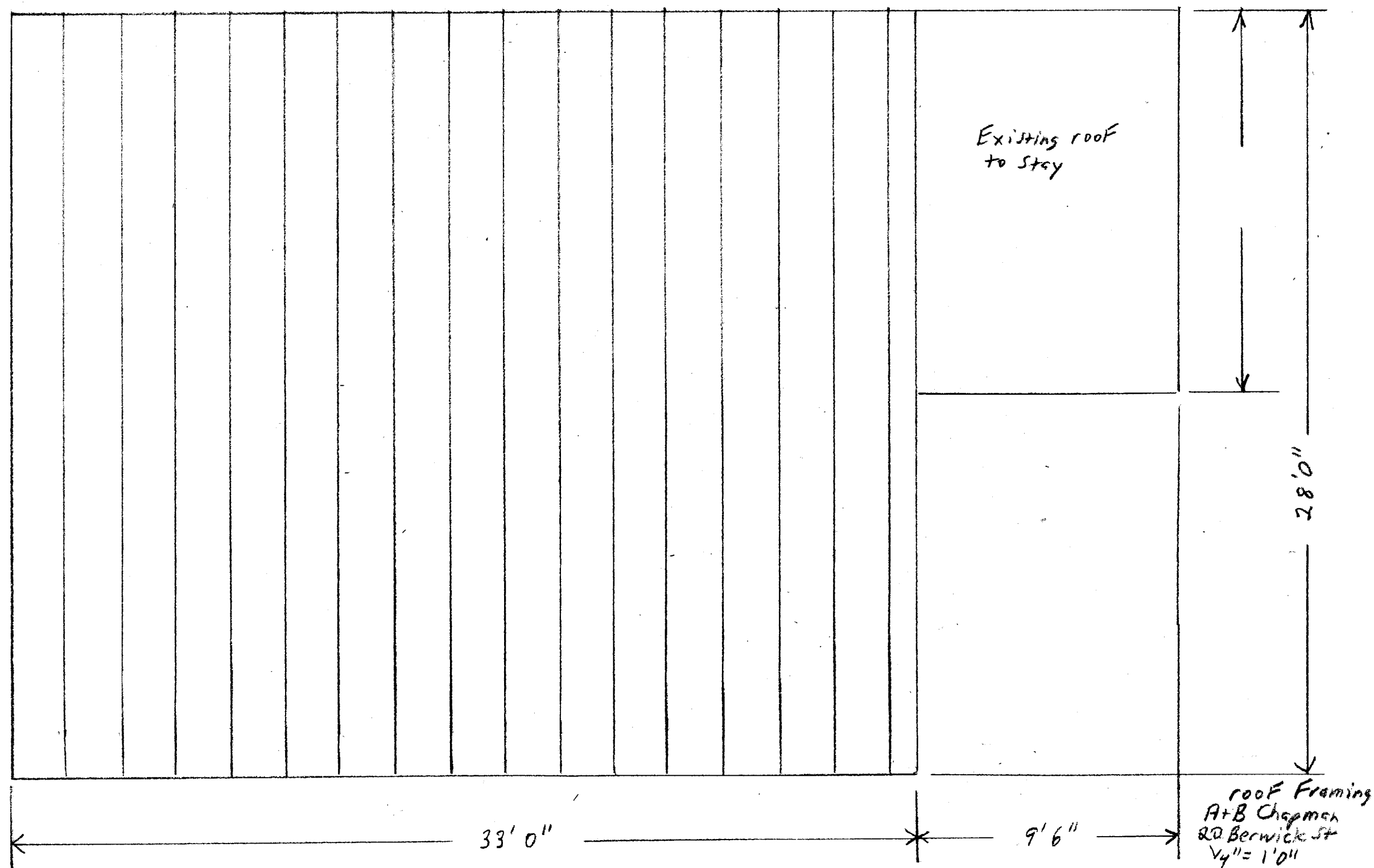
1st Floor Framing
A & B Chapman
20 Berwick St
1/4" = 1'0"



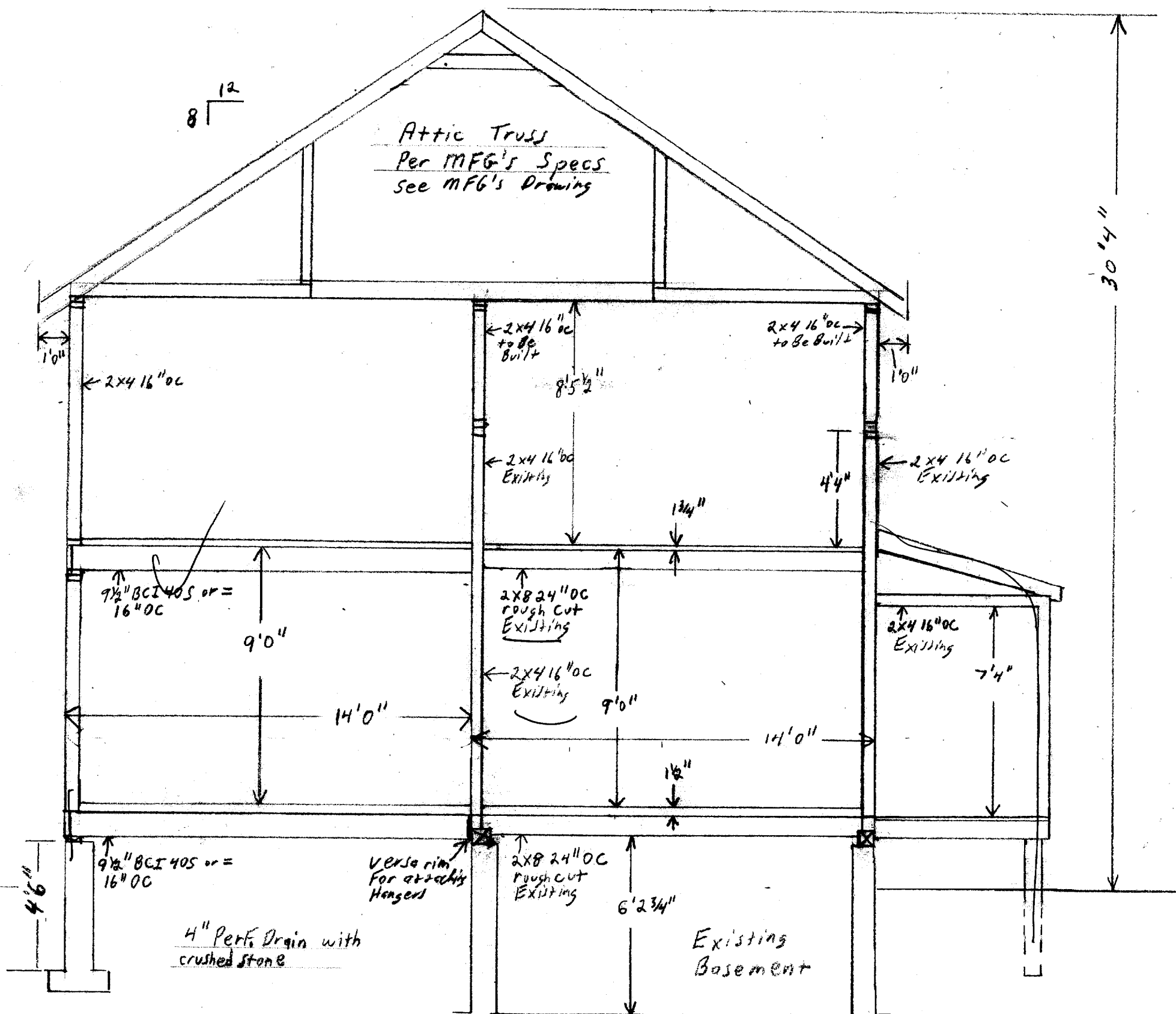
* Floor Joists are *
9 1/2" BCI 45s
or = 16" on center

2nd Floor Framing
A+B Chapman
20 Berwick St
1/4" = 1'0"

#11



#12



1/4" = 1'0"

Section A
A+B Chapman
20 Berwick St.
4/23/01

5/17/01

E = Existing window or door
V = Vacuum outlet for central vacuum
R = Replacement

D
05 4068 French Doors
07 3068 -
06 4068 - #550 84FD 8.10.11
05 2868 - #805
04 3068 - #805 "panel"
03 2868 - 5206
02 3068 - 5206 "replacment"
01 3068 - 5150 "Shoof str"
Door

W6 6w6 Bently skylight to be sized
3/1W5 TW to be sized
1/1W4 CTN24/TW 24310
0W3 CN 285
W2 TW 3032 (R= replacement)
6W1 TW 3052 (R= replacement)
Window - Anderson or equal
for 20 Bernwic Street

Window & Door Schedule
for 20 Bernwic Street

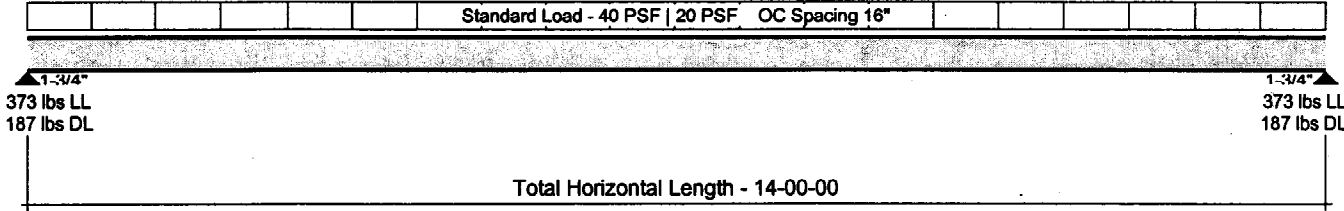


Single - 9 1/2" BCI 45s

Job Name -
Address -
City, State, Zip -
Code Reports - ICBO 5208, BOCA 98-18, SBCCI 9844

File Name: Untitled
Customer -
Specifier -
Designer - Valued Employee
Company: - Wood Structures Inc.
Misc: -

Member Diagram



General Data

Version: US Imperial
Member Type: - Joist
Number of Spans: - 1
Left Cantilever: - No
Right Cantilever: - No
Slope: 0/12
OC Spacing: 16"
Repetitive: Yes
Construction Type: Glued
Live Load: 40 PSF
Dead Load: 20 PSF
Part Load: 0 PSF
Duration: 100

Load Summary

ID	Description	Load Type	Ref.	Start	End	Live	Dead	OCS	Dur.
S	Standard	Unf.Area Load	Left	00-00-00	14-00-00	40 PSF	20 PSF	16"	100

Controls Summary

Control Type	Value	% Allowable	Duration	Loadcase	Span Location
Moment	1960 ft-lbs	59.6%	@ 100%	2	1 - Internal
End Reaction	560 lbs	49.8%	@ 100%	2	1 - Left
Total Deflection	L/468 (0.358")	51.2%		2	1
Live Deflection	L/703 (0.239")	51.2%		2	1
Max. Defl.	0.358" (Limit: 1")	35.8%		2	1
Span/Depth	17.7				1

NOTES:

Design meets Code minimum (L/240) Total load deflection criteria.
Design meets Code minimum (L/360) Live load deflection criteria.
Design meets arbitrary (1") Maximum load deflection criteria.
Minimum End bearing length is 1-3/4".

Disclosure

The completeness and accuracy of the input must be verified by anyone who would rely on the output as evidence of suitability for a particular application. The output above is based upon building code-accepted design properties and analysis methods. Installation of Boise Cascade engineered wood products must be in accordance with the current Installation Guide and the applicable building codes. To obtain an Installation Guide or if you have any questions, please call (800)232-0788 before beginning product installation. For glulam inquiries, please call (800)237-4013.

Floor Joists
1st & 2nd Floor



Living / Kitchen
area Beam