



# APPLICATION FOR PERMIT

## DEPARTMENT OF BUILDING INSPECTIONS SERVICES

### ELECTRICAL INSTALLATIONS

Date 5/14/91, 19\_\_  
 Receipt and Permit number 02051

To the CHIEF ELECTRICAL INSPECTOR, Portland, Maine:  
 The undersigned hereby applies for a permit to make electrical installations in accordance with the laws of  
 Maine, the Portland Electrical Ordinance, the National Electrical Code and the following specifications:

LOCATION OF WORK: 7 Island Ave; Cliff Island 109-B D  
 OWNER'S NAME: John Bernard ADDRESS: same

OUTLETS: Receptacles 0 Switcher \_\_\_\_\_ Plug/mold \_\_\_\_\_ ft. TOTAL \_\_\_\_\_ FEES \_\_\_\_\_

FIXTURES: (number of) Incandescent \_\_\_\_\_ Fluorescent \_\_\_\_\_ (not strip) TOTAL \_\_\_\_\_  
 Strip Fluorescent \_\_\_\_\_ ft. \_\_\_\_\_

SERVICES: Overhead X Underground \_\_\_\_\_ Temporary \_\_\_\_\_ TOTAL amperes 100 .. \_\_\_\_\_  
 METERS: (number of) 1 .. \_\_\_\_\_ 15.00

MOTORS: (number of) Fractional \_\_\_\_\_ .. \_\_\_\_\_ 1.00  
 1 HP or over \_\_\_\_\_ .. \_\_\_\_\_

RESIDENTIAL HEATING: Oil or Gas (number of units) \_\_\_\_\_  
 Electric (number of rooms) \_\_\_\_\_

COMMERCIAL OR INDUSTRIAL HEATING: Oil or Gas (by a main boiler) \_\_\_\_\_  
 Oil or Gas (by separate units) \_\_\_\_\_  
 Electric Under 20 kws \_\_\_\_\_ Over 20 kws \_\_\_\_\_

APPLIANCES: (number of) Ranges \_\_\_\_\_ Water Heaters \_\_\_\_\_  
 Cook Tops \_\_\_\_\_ Disposals \_\_\_\_\_  
 Wall Ovens \_\_\_\_\_ Dishwashers \_\_\_\_\_  
 Dryers \_\_\_\_\_ Compactors \_\_\_\_\_  
 Fans \_\_\_\_\_ Others (denote) \_\_\_\_\_  
 TOTAL \_\_\_\_\_

MISCELLANEOUS: (number of) Branch Panels \_\_\_\_\_  
 Transformers \_\_\_\_\_  
 Air Conditioners Central Unit \_\_\_\_\_  
 Separate Units (windows) \_\_\_\_\_  
 Signs 20 sq. ft. and under \_\_\_\_\_  
 Over 20 sq. ft. \_\_\_\_\_  
 Swimming Pools Above Ground \_\_\_\_\_  
 In Ground \_\_\_\_\_  
 Fire/Burglar Alarms Residential \_\_\_\_\_  
 Commercial \_\_\_\_\_  
 Heavy Duty Outlets, 220 Volt (such as welders) 30 amps and under \_\_\_\_\_  
 over 30 amps \_\_\_\_\_  
 Circus, Fairs, etc. \_\_\_\_\_  
 Alterations to wires \_\_\_\_\_  
 Repairs after fire \_\_\_\_\_  
 Emergency Lights, battery \_\_\_\_\_  
 Emergency Generators \_\_\_\_\_

FOR ADDITIONAL WORK NOT ON ORIGINAL PERMIT ..... INSTALLATION FEE DUE: \_\_\_\_\_  
 FOR REMOVAL OF A "STOP ORDER" (304-16.b) ..... DOUBLE FEE DUE: \_\_\_\_\_  
 TOTAL AMOUNT DUE: 16.00

INSPECTION: Will be ready on \_\_\_\_\_, 19\_\_, or Will Call X  
 CONTRACTOR'S NAME: Seabee Electric  
 ADDRESS: 200 Anderson St. Portland  
 TEL: 774-4880  
 MASTER LICENSE NO.: 41 Gagnon - 43014 SIGNATURE OF CONTRACTOR: William Gagnon  
 LIMITED LICENSE NO.: 3111

INSPECTOR'S COPY — WHITE  
 OFFICE COPY — CANARY  
 CONTRACTOR'S COPY — GREEN



Oct 10, 1985

Mr. Warren J Turner  
Dept. of Planning & Urban Development  
Room 315, City Hall  
Portland Maine 04101

Dear Mr. Turner,

This is in response to your letter of Oct. 8 concerning the septic disposal for the building permit for lot 109 B-D. As I said on the phone following your letter of Oct. 1, at the time the building permit was submitted I met with Plumbing Inspector. Due to the number of walls and other constraints on the property a leach bed is impossible. The plumbing Inspector said that it would be acceptable to pump to an existing aerobic system on a neighboring lot and that I should provide a copy of the D.E.P. application. I am in the process of getting the D.E.P. forms completed by the contractor that installed the aerobic system. I will mail a copy to the Plumbing Inspector as soon as I get it which should be within a few days. I will notify you at the same time.

Sincerely,

Donald H Thompson



# CITY OF PORTLAND

DEPARTMENT OF PLANNING & URBAN DEVELOPMENT  
INSPECTION SERVICES DIVISION

October 8, 1985

Mr. Donald Thompson  
Box 2  
Cliff Island, ME 04109

RE: Lot 109-B-D Island Avenue & Emhardt Street

Dear Mr. Thompson:

In order to issue a building permit for your proposed year-round dwelling on Cliff Island, we need to know what provisions are being made for an inground septic disposal system to serve the proposed building in the IR-1 Zone.

Please furnish a Form NH-200 for soil test evaluation and a plot plan showing the location of your proposed leach bed.

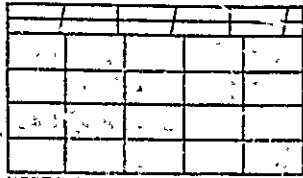
Sincerely,

Warren J. Turner  
Zoning Specialist

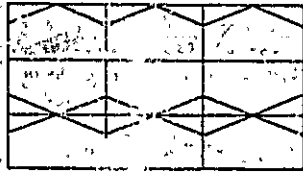
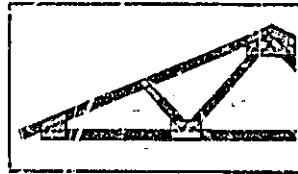
WJT/kat

cc: Joseph E. Gray, Jr., Director, Planning/Urban Development  
Alexander Jaegerman, Chief Planner  
P. Samuel Hoffses, Chief of Inspection Services

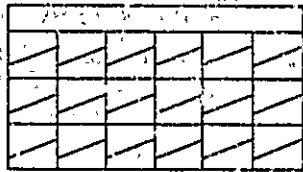
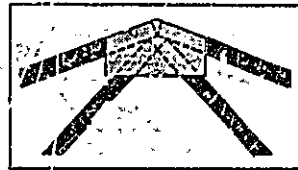
UNIT 22: ROOF TRUSSES



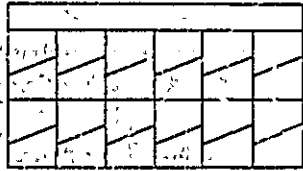
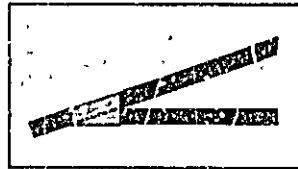
UPPER & LOWER CHORD GUSSETS



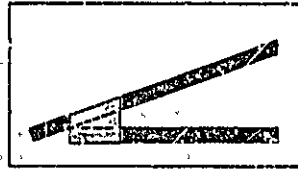
PEAK GUSSET



BEVELED HEEL GUSSETS



SQUARE HEEL GUSSETS



22-13. Plywood gusset cutting layouts. Make sure the grain of the plywood runs parallel with the lower chord, except for the upper chord intermediate gusset. For this gusset the grain should run parallel to the compression web.

and assemble the trusses before the wall is erected. To insure proper temperature control, nail-glued trusses should be fabricated in an enclosed build-

ing. For normal truss assembly with moisture resistant glues such as casein, a minimum room temperature of 50° F is needed. Where exterior glues such as

Plywood Thickness	Nails (1)		Staples (2)	
	Size	Spacing (3)	Size	Spacing (3)
3/4"	4d	3' o.c.	1 1/2"	3' o.c.
1/2"-3/4"	6d	4' o.c.	Not recommended	

(1) Nails—Box, common, cement coated or T-nails.  
 (2) Staples—15 gauge with 1/16" crown width.  
 (3) Use two rows nails or staples for 4" wide lumber, three rows for 6" wide lumber and set in 3/4" from lumber edge. Stagger nails from opposite sides. Nails or staples provide gluing pressure.

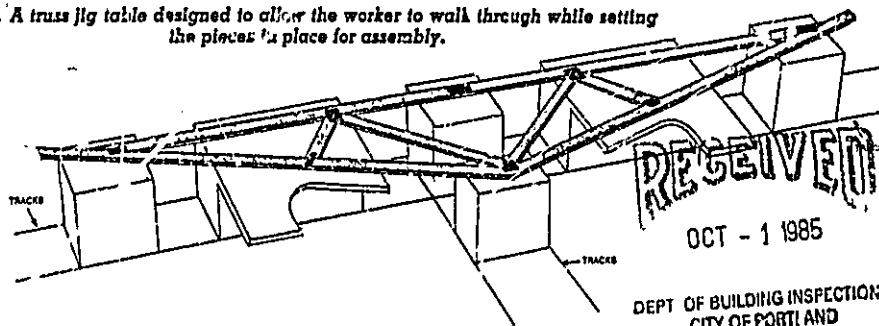
22-14. Nail and staple schedule.

resorcinol-resin glue are used, a 70° F temperature should be maintained during the assembly and cure. Therefore an area at least big enough to construct the largest truss, with sufficient room for turning and storage after assembly, is recommended.

A simple jig can be made by nailing blocks to a table. Lay out the overall truss dimensions on the table with a chalk line. Position the upper and lower chords. Fig. 22-15. For best appearance don't forget to provide for camber (a slight curvature). Camber of 1/4" for a 30' truss with proportional amounts for other lengths is recommended.

For the W-type trusses lay out the long diagonals with the diagonal centerline intersecting the lower chord centerline at 1/2 the span of the lower chord. Fig. 22-17. The short diagonals may then be positioned with their upper end centered midway between the clear distance from the peak to

22-15. A truss jig table designed to allow the worker to walk through while setting the pieces in place for assembly.



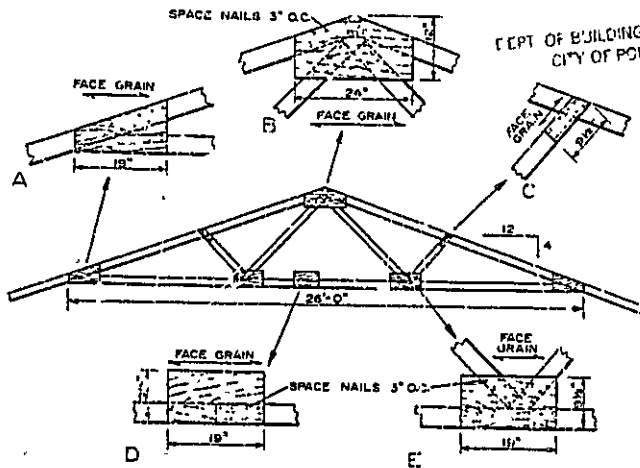
OCT - 1 1985  
 DEPT OF BUILDING INSPECTIONS  
 CITY OF PORTLAND



RECEIVED

OCT - 1 1985

SECTION IV: FRAMING



22-12. Construction details of a 26' W-truss: A. Beveled heel gusset. B. Peak gusset. C. Upper chord intermediate gusset. D. Splice of lower chord. E. Lower chord intermediate gusset.

builder with completed trusses ready for erection.

To illustrate the design and construction of a typical wood W-truss more clearly, the following example is given:

The span for the gusset truss is 26', the slope 4 in 12, and the spacing 24'. Fig. 22-12. The gussets are nail-glued; that is, nails or staples are used to supply pressure while the glue sets. Total roof load is 40 pounds per square foot, which is usually sufficient for areas with moderate to heavy snow. The upper and lower chords can be 2" x 4" in size, but the upper chord requires a slightly higher grade of material. It is often desirable to use dimension material with a moisture content of about 15%. The moisture content should not exceed 19%.

**FABRICATION**

**Applying Gussets**

Plywood gussets can be made from 3/8" or 1/2" standard plywood with exterior glue line or exterior sheathing grade plywood. The cut-

out size of the gussets and the general nailing pattern for nailing are shown in Figs. 22-12 & 22-13. More specifically, 4d nails should be used for plywood gussets up to 3/8" thick and 6d for plywood 1/2" to 3/4" thick. Three-inch spacing should be used when plywood is no more than 3/8" thick and 4" spacing should be used for thicker plywood. When wood truss members are a nominal 4" wide, use two rows of nails with a 3/4" edge distance. Use three rows of nails when truss members are 6" wide. Gussets are used on both sides of the truss. Fig. 22-14.

For normal conditions and where relative humidities in the attic area tend to be high, such as might occur in the southern and southeastern United States, resorcinol glue should be used for the gussets. In dry and arid areas where conditions are more favorable, a casein or similar glue might be considered. For estimating purposes, approximately 1/10 pound of glue is required per square foot of gusset.

Glue should be spread on the

surfaces of the gusset, truss member, or both. When mixing and using the glue, be sure to follow the glue manufacturer's recommendations. If the glue is to be spread on the lumber, it is a good idea to mark the ends of the gussets on the jig table so that the glue will be spread only over the area to be covered by the gusset. To prevent interference with the sheathing or ceiling, the edge of the gussets may be held back 1/8" from the edge of the lumber.

Either nails or staples might be used to supply pressure until the glue has set, although only nails are recommended for plywood 1/2" and thicker. Use the nail spacing previously outlined. Closer or intermediate spacing may be used to insure "squeezeout" at all visible edges.

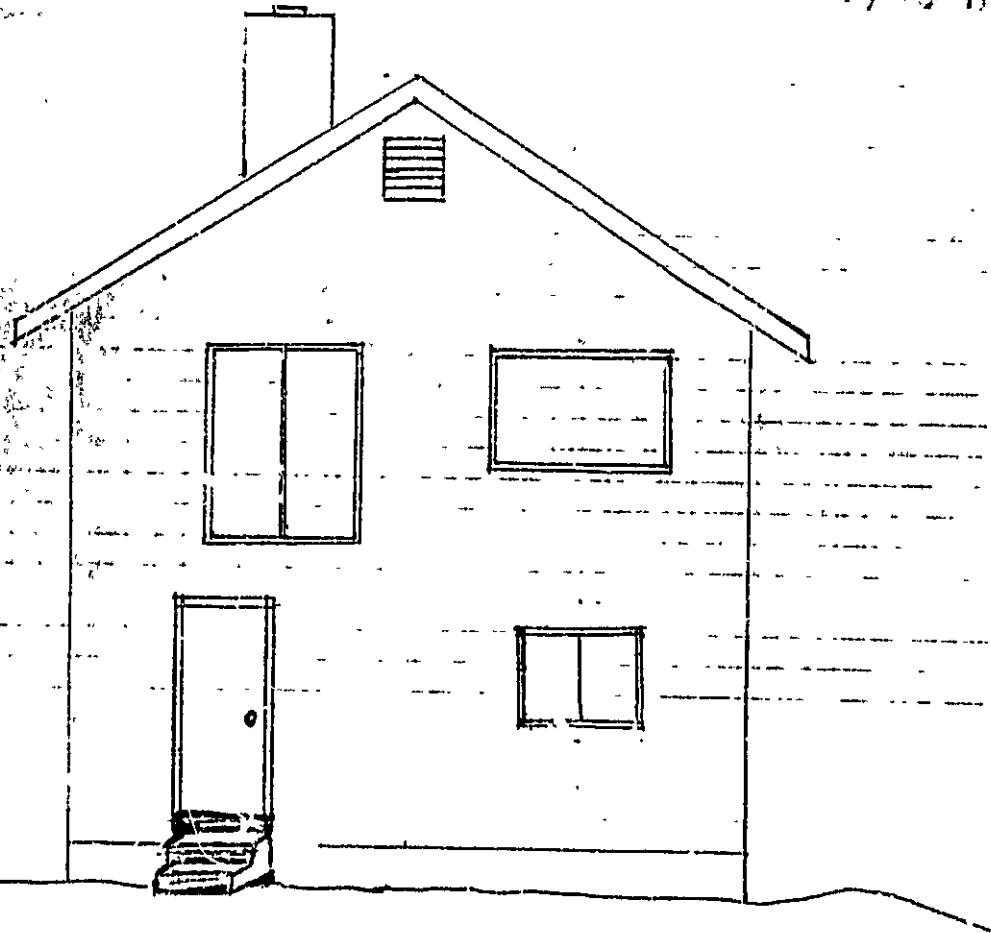
Gluing should be done under closely controlled temperature conditions. This is especially true if using the resorcinol adhesives. Follow the assembly temperatures recommended by the manufacturer.

The complete truss should be set aside immediately after assembly. It should not be disturbed until the glue has set. A holding frame which stores the trusses in an upright, inverted position is a convenient way to store the trusses during curing.

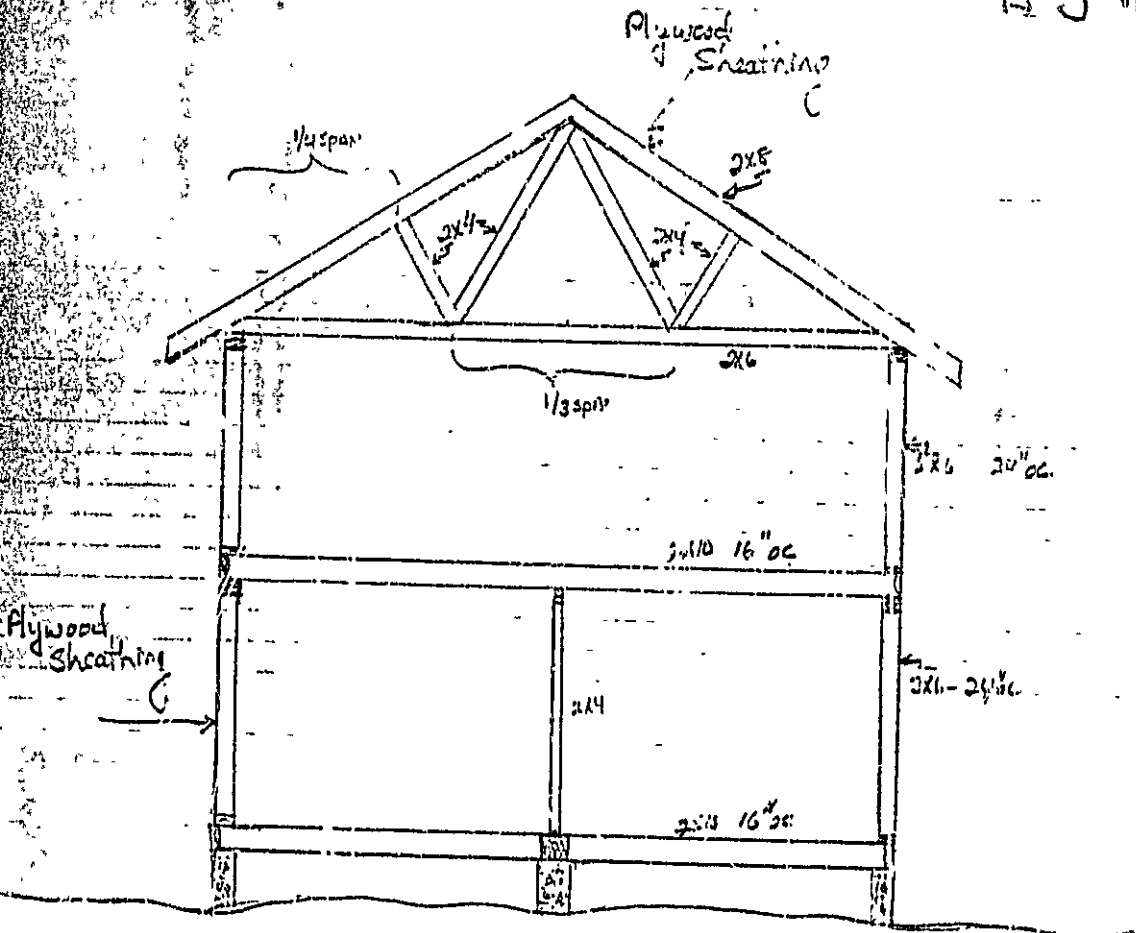
**Assembly**

Plywood trusses can be built without expensive equipment or facilities. The use of trusses is therefore possible for small and medium operations or where a special truss design is needed. A glue spreader or roller and hammers are all the equipment required. Power nailers or staplers are often used. Jig tables are more convenient for hand or power nailing. Fig. 22-15. It is possible, however, to lay out the truss on the subfloor and then cut

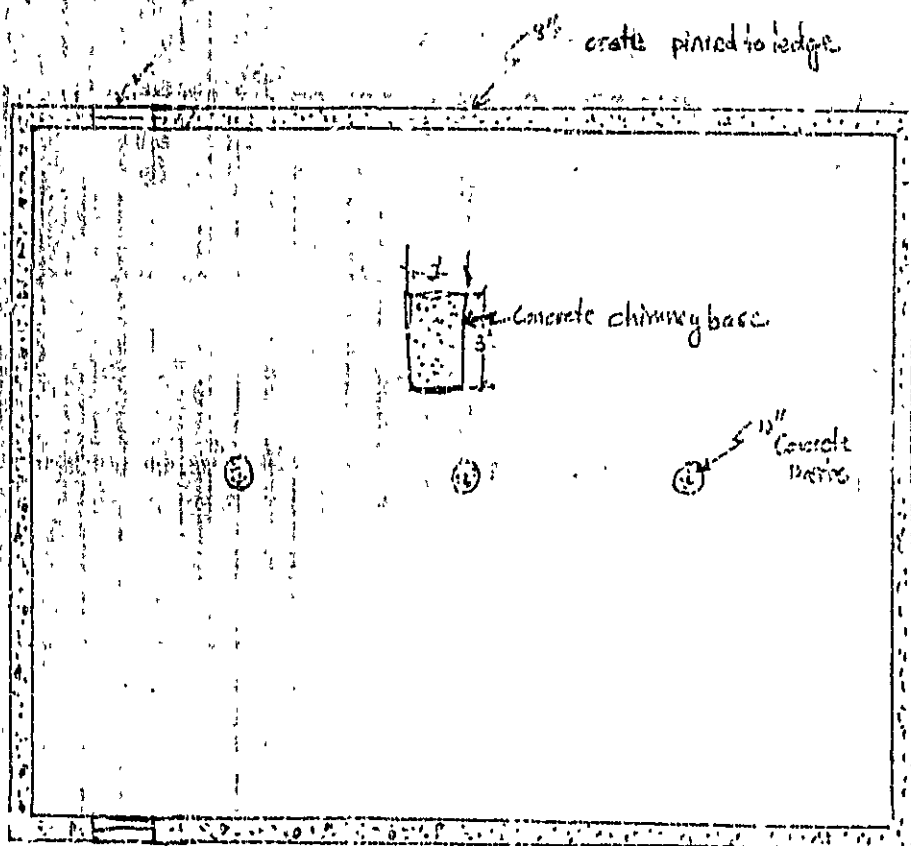
West Elevation  
Donald H. Thompson  
2114 E. 7th St. 10960  
Scale 1/2" = 1' 7/8"



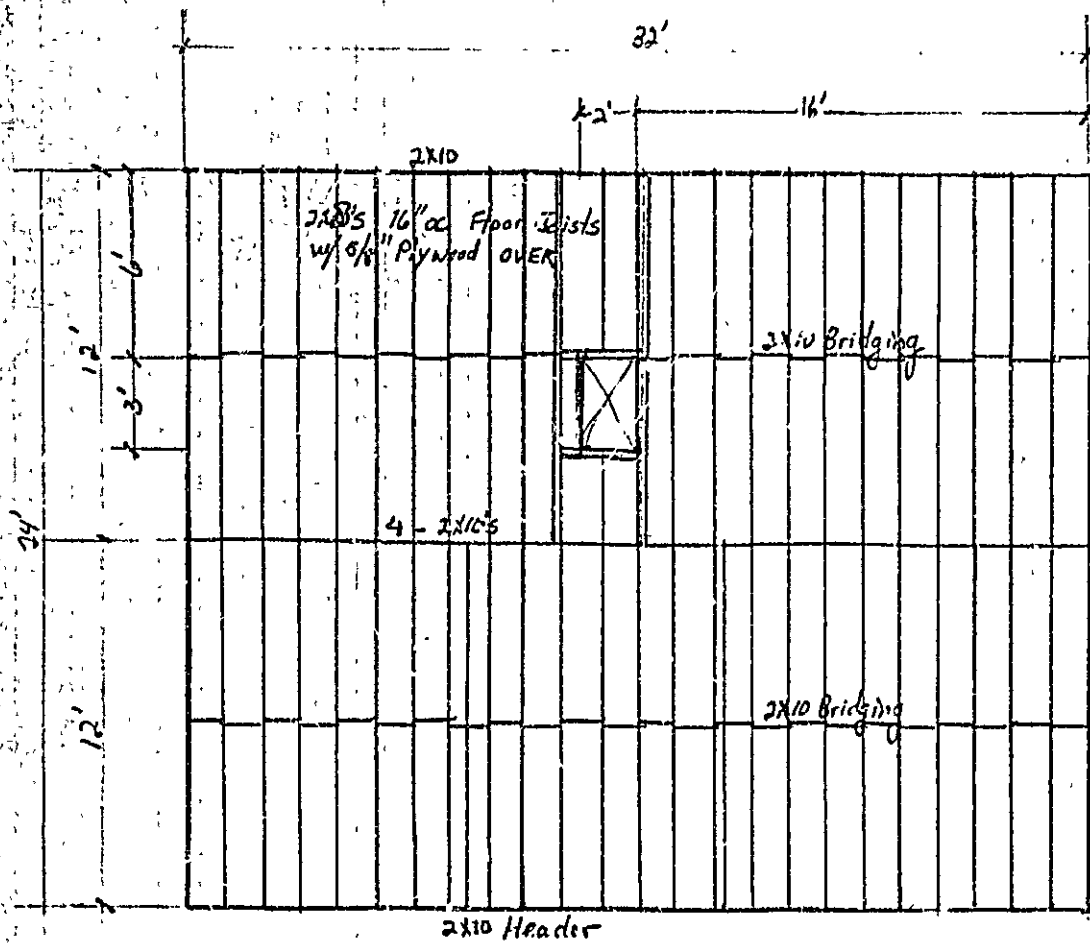
Cross Section A-A'  
Donald H. Thompson  
Cliff Is ME 1098D  
Scale 1/8" = 1' 8 of 8





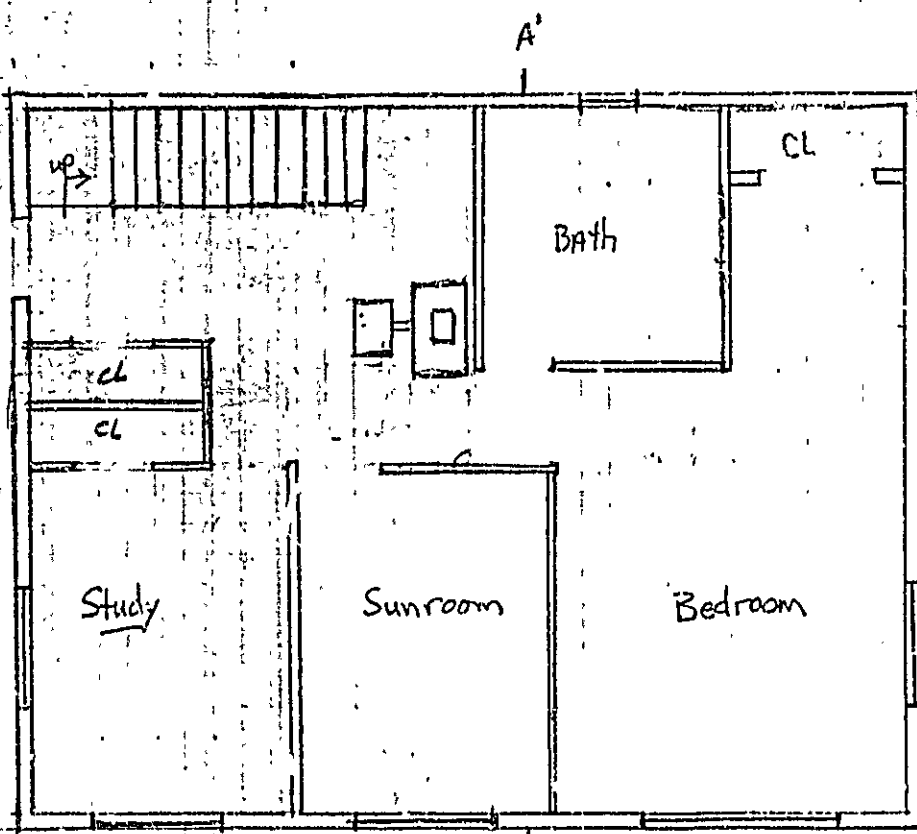


Foundation Plans  
 Donald H. Thompson  
 Cliff Island Me. 1895-D  
 Scale 1/2" = 1' 1898



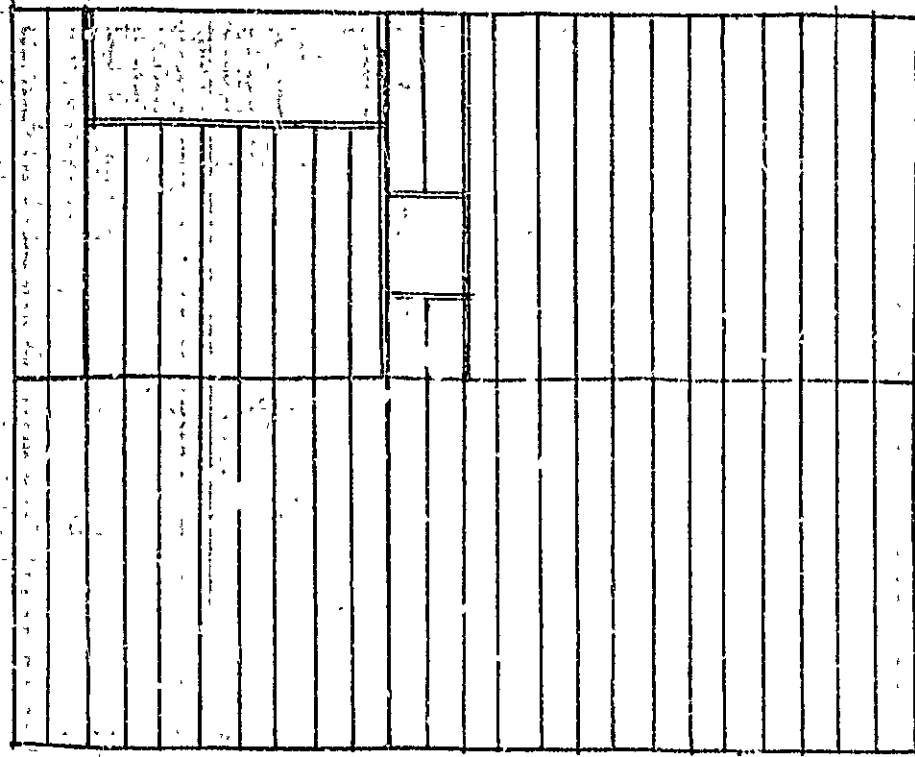
Sit. under Header 2x8' PT Bolted to foundation

Floor Framing 1st level  
 Donald H. The. plan  
 Cliff Island ME. 1098D  
 Scale 1/8" = 1' 2 of 8

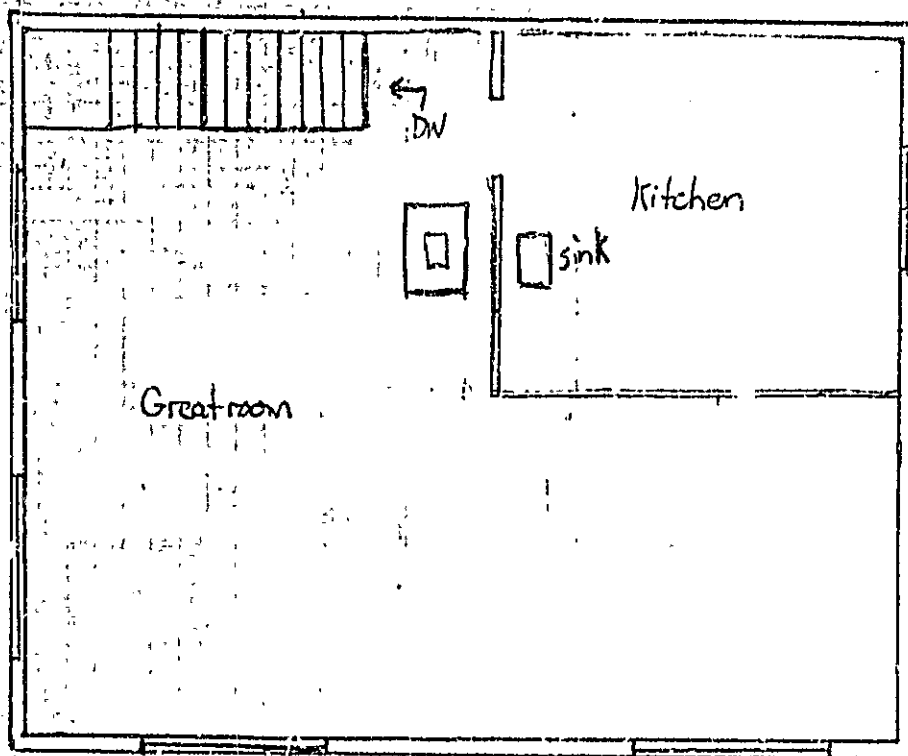


1st level Floor Plan  
 Donald H. Thompson  
 Cliff Is Me 10980

Scale 1/8" = 1' 3 of 8

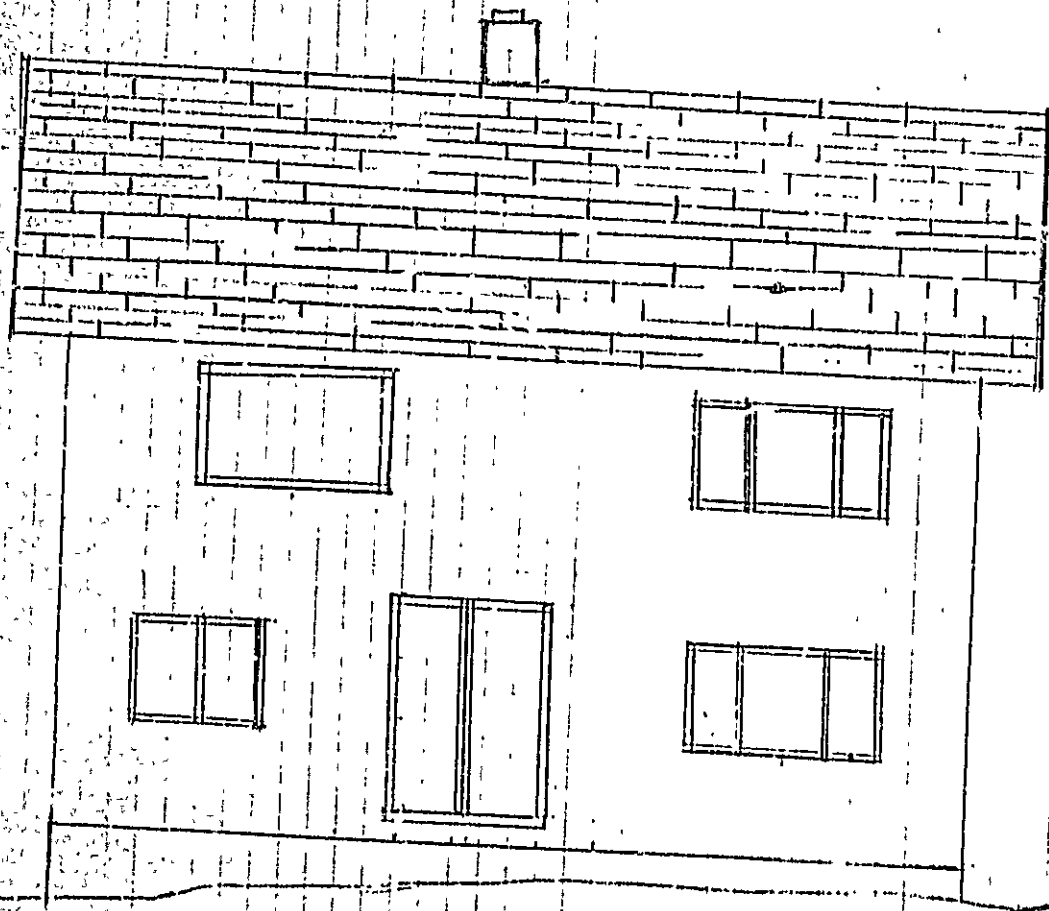


2nd floor Framing  
Donald H. Thompson  
Cliff Is ME 109B-2  
Scale 1/5" = 1' 4 3/8

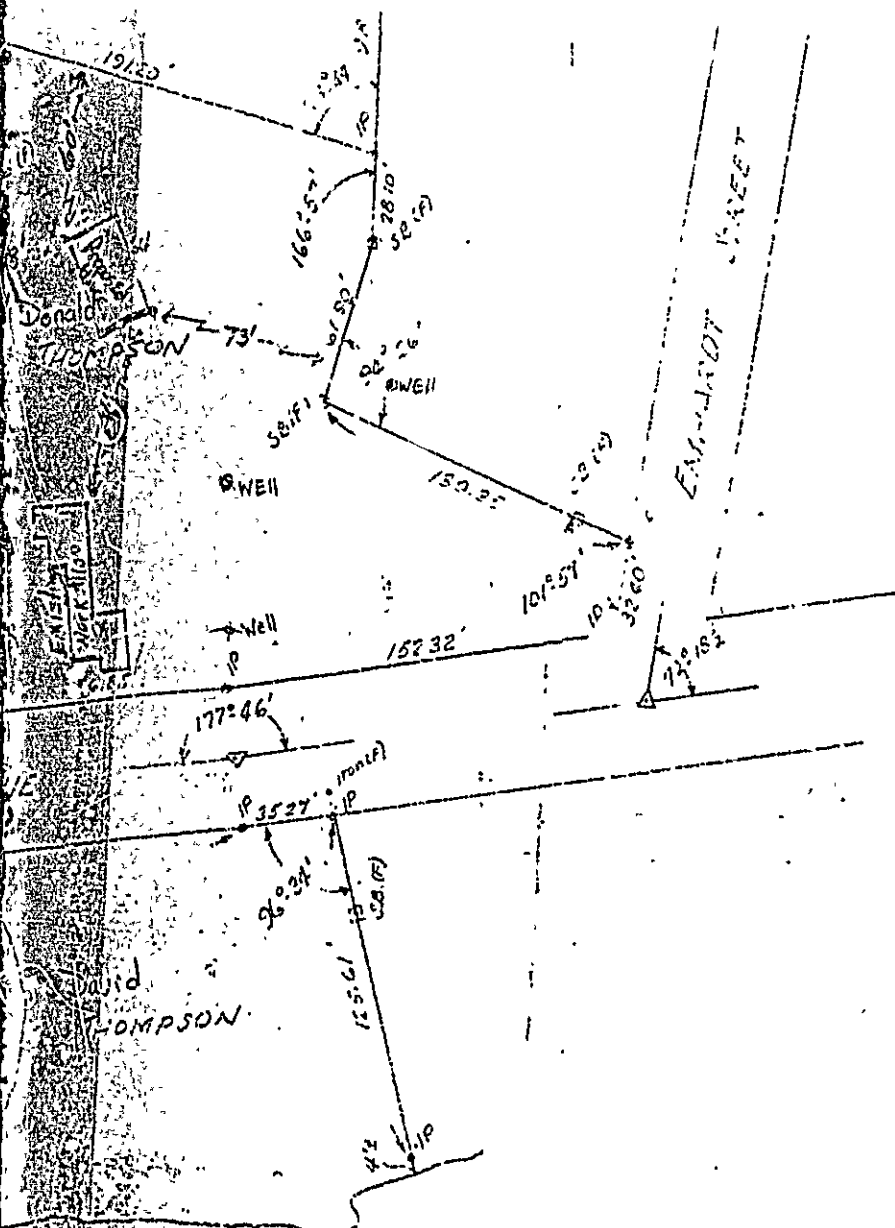


2<sup>nd</sup> level Floor Plan  
Done by H Thompson  
Cliff J & ME 109BD  
Scale 1/8" = 1' 5/8"





South Elevation  
Donald H. Thompson  
Cliff I., Md. 1978-D  
Scale 1/5"=1' 6 of 8



Donald H Thompson  
 PO Box 3  
 Cliff Island ME 04019

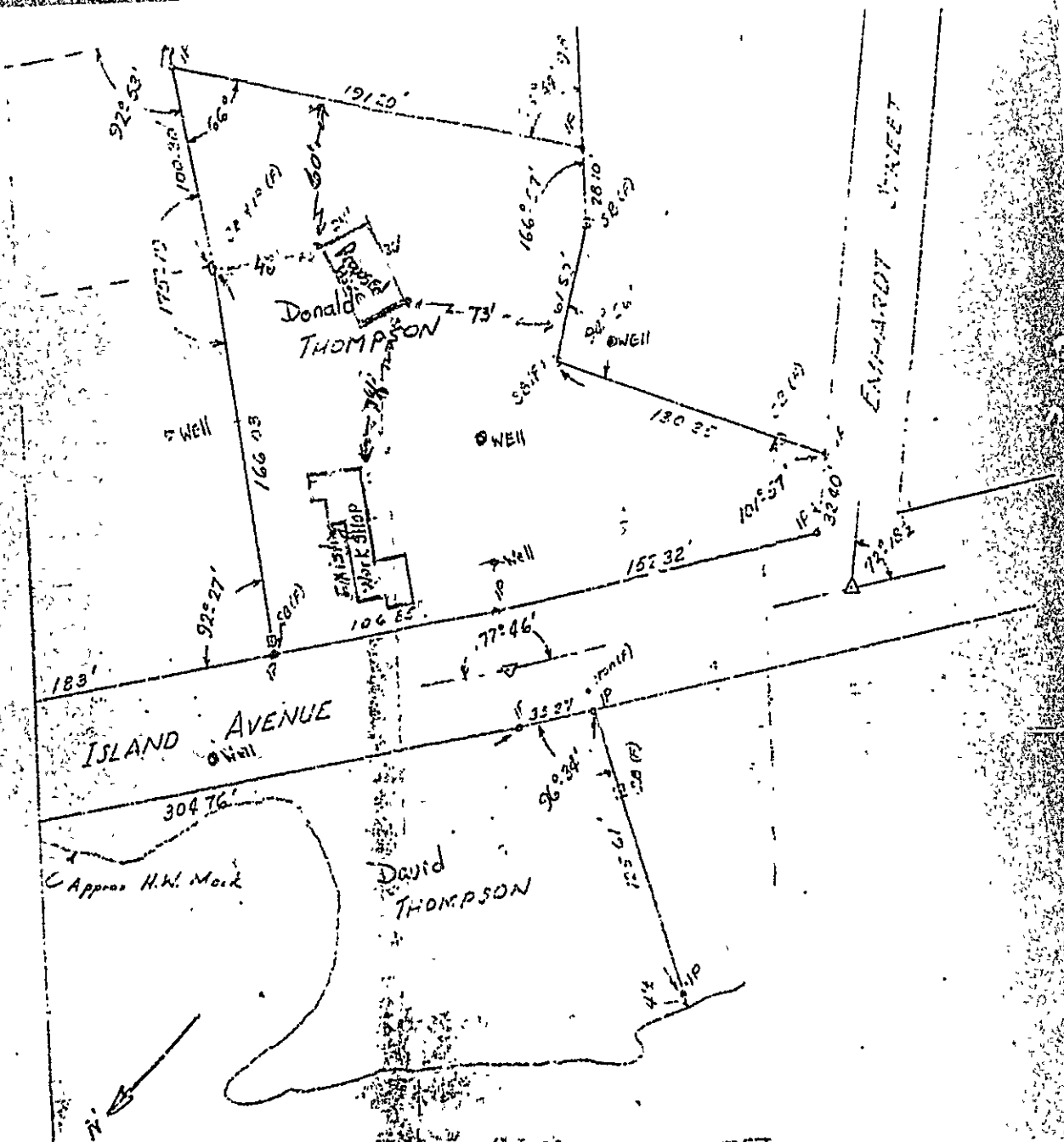


**RECEIVED**

JUN 27 1935

DEPT OF BUILDING INSPECTIONS  
 CITY OF PORTLAND

PLAN OF LAND VICINITY OF	
ISLAND AVE & EMHARDT STREET	
CLIFF ISLAND, MAINE	
(ASSESSORS 109 B-D) <i>Scale changed in copy</i>	
DRAWN: TTR	Scale: <del>1"=50'</del>
DATE: 5-9-72	SHEET: 1 of 1



**RECEIVED**

JUN 27 1985

DEPT OF BUILDING INSPECTIONS  
CITY OF PORTLAND

PLAN
ISLAND
CLASS
DRAWN
DATE



APPLICATION FOR AMENDMENT TO PERMIT

Amendment No. # 1

Portland, Maine, Feb. 24, 1986

PERMIT ISSUED

FEB 26 1986

City of Portland

To the INSPECTOR OF BUILDINGS, PORTLAND, MAINE

The undersigned hereby applies for amendment to Permit No 85-1345 pertaining to the building or structure comprised in the original application in accordance with the Laws of the State of Maine, the Building Code and Zoning Ordinance of the City of Portland, plans and specifications, if any, submitted herewith, and the following specifications:

Location 109-B-D Sunset Ave., Cliff Island, Within Fire Limits? Dist. No.
Owner's name and address Donald H. Thompson - same Telephone 766-2316
Lessee's name and address Telephone
Contractor's name and address Owner Telephone
Architect Plans filed No. of sheets
Proposed use of building single family year round dwelling No. families
Last use same No. families
Increased cost of work NONE Additional fee NONE

Description of Proposed Work

To change from full foundation to foundation as per plans, 1 sheet of plans.

Details of New Work

Is any plumbing involved in this work? Is any electrical work involved in this work?
Height average grade to top of plate Height average grade to highest point of roof
Size, front depth No. stories solid or filled land? earth or rock?
Material of foundation Thickness, top bottom cellar
Material of underpinning Height Thickness
Kind of roof Rise per foot Roof covering
No. of chimneys Material of chimneys of lining
Framing lumber—Kind Dressed or full size?
Corner posts Sills Girt or ledger board? Size
Girders Size Columns under girders Size Max. on centers
Studs (outside walls and carrying partitions) 2x4-18" C. C. Bridging in every floor and flat roof span over 8 feet.
Joists and rafters: 1st floor, 2nd, roof
On centers: 1st floor, 2nd, roof
Maximum span: 1st floor, 2nd, roof

Approved:

Signature of Owner

Donald H. Thompson

Approved:

Inspector of Buildings

INSPECTION COPY

FILE COPY

APPLICANT'S COPY

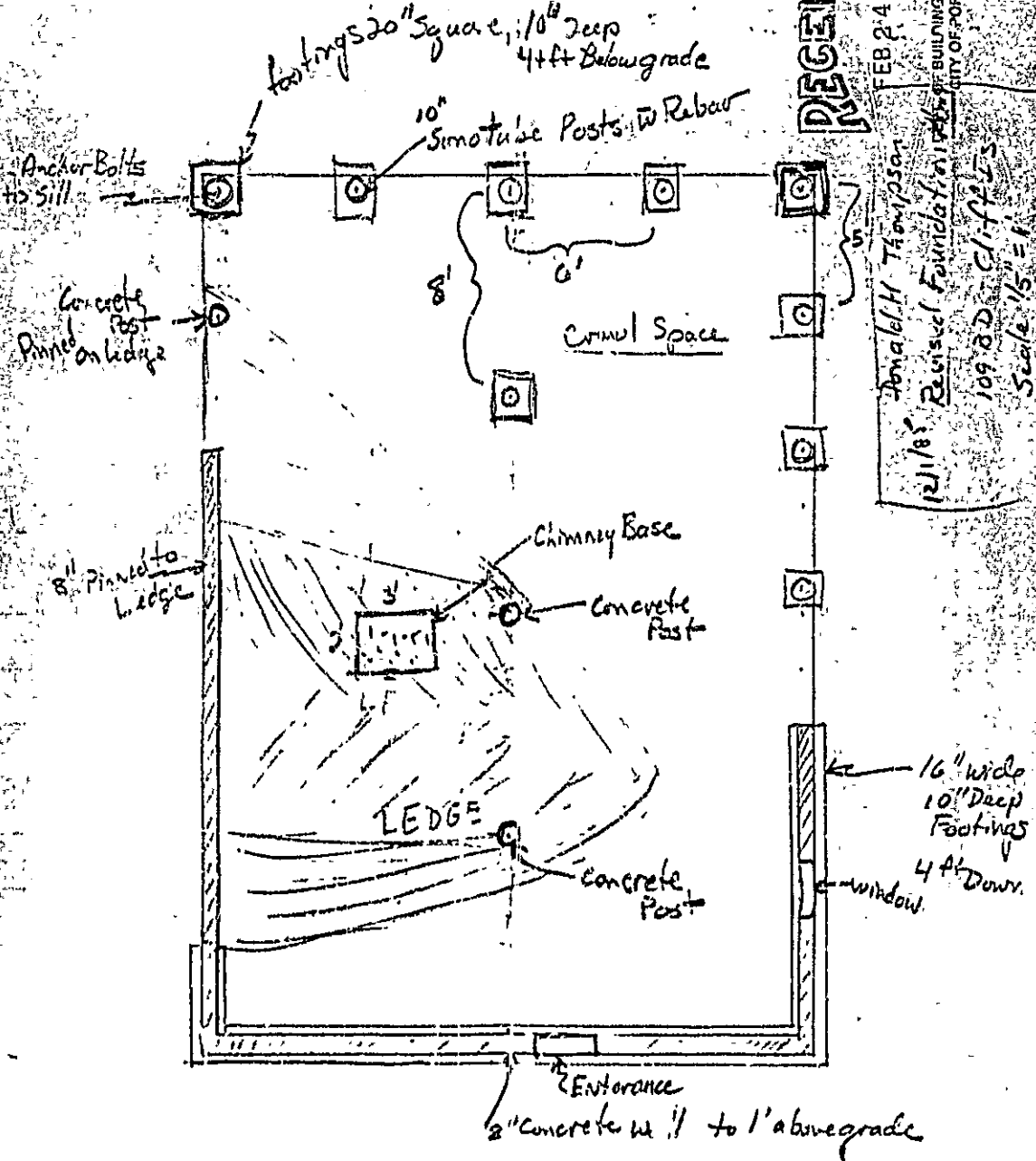
ASSESSOR'S COPY

Handwritten signature: [Signature]

Building Permit

#1345/85

6X6 PT Sill on outside posts



RECEIVED

FEB 24 1986

Donald H. Thompson

12/1/85 Revised Foundation Plans of BUILDING INSPECTORS CITY OF PORTLAND

109 8 D Cl-1725

Scale 1/8" = 1'



Oct 29, 1985

RE Lot 109B-D Island Ave + Eubank St Street

Dear Mr Turner,

I have sent to Mr Goodwin the information he required to approve the plumbing part of my building permit. In my previous letter I said I would notify you when I sent this information to Mr Goodwin. Please let me know if anything else is required.

Sincerely yours

Mr Donald H Thompson

PO Box 3  
Cliff So Maine 04019