VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION
WATERSHED MANAGEMENT DIVISION
LAKES & PONDS PROGRAM

Lake & Shoreland
Permitting Approved
2016.11.10 09:00:07
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VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION
WATERSHED MANAGEMENT DIVISION
LAKES & PONDS PROGRAM

Individual Permit Application

For a **Lake Encroachment Permit** under

Chapter 11 of Title 29, § 401 *et seq.*

RECEIVED
OCT – 4 2016
WSMD

For Lake Encroachment Permitting Use Only
Application Number: 2214-LEP

Submission of this application constitutes notice that the person in Section B intends to encroach beyond the mean water level of a lake or pond, and certifies that the project will comply with Chapter 11 of Title 29, § 401 *et seq*. All information required on this form must be provided, and the requisite fees (Section I) must be submitted made payable to the State of Vermont, to be deemed complete.

A. Project Information

1. Physical Address (911 Address): 211 Birch Point Ln

2a. Town- County: Thetford - Orange | 2b. Zip: 05045

3. Span (School Parcel Account Number is required for your application to be deemed complete. It can be obtained from your property tax bill. If you cannot locate your property tax bill, please obtain this information from your Town Clerk): 642-202-11260

4. Name of Lake/Pond: Fairlee Lake - Thetford

5. Have you ever applied for a permit with the Department of Environmental Conservation associated with this parcel? ☐ Yes ☑ No

B. Applicant (Landowner if applicable) Contact Information

1. Name: Ted Allen

2a. Mailing Address: 2838 County Road

2b. Town: Montpelier | 2c. State: VT | 2d. Zip: 05602

3. Phone: 802-229-5819 | 4. Email: tedallen05602@comcast.net

C. Application Preparer Contact Information:

1. Name: Chelsea Allen

2a. Mailing Address: 183 Main Street, Apt 1

2b. Town: Montpelier | 2c. State: VT | 2d. Zip: 05602

3. Phone: 802-917-2952 | 4. Email: wrohini@gmail.com

D. Abutting Land Owners

Using the abutter addendum available on dec.vermont.gov., attach a list of land owners who abut the proposed project.

E. Project Description

1. Describe the proposed project including the description of the materials and mechanical equipment which may be used during construction and the anticipated work schedule. Identify whether or not the project includes placement or removal of fill and if so, specify the number of cubic yards of fill or dredged materials to be placed or removed beyond the shoreline at mean water level.

Scope of this project includes deconstruction our current boathouse and reconstruction of a new one maintaining the same footprint. This is necessary due to major structural issues in its current foundation. We plan to achieve this using minimal mechanical equipment to minimize disruption of our property and the habitat surrounding the structure. We plan on dismantling existing structure strategically and hauling all the material off-site. The current foundation will be jack hammered into manageable pieces and also hauled away. We estimate removing approximately ten yards of concrete. The plan for the new foundation is to use hand tools to dig footings and set forms on said footings. To pour the foundation we plan on renting a mixer and pouring the foundation by hand. The concrete will be reinforced by structural steel in the walls. We estimate we will be pouring 6-8 yards of new material. We feel confident that this is achievable. Once the foundation is poured we will begin to build. We plan on using conventional 2x6 Framing for walls a 2x8 for a stick framed roof system. Exterior will be sides with ship-lap siding and a simple sliding barn style door for the boathouse water entrance. The roof we will strap 16" on center and cover with channel drain 24 gauge roofing. Time frame: We hope to begin deconstruction late this fall after the rental season is over so we don't disrupt our neighbors. We hope to start rebuilding the following fall so we do not disturb the fish population and again to not bother the neighbors during rental season.

We will dig 12 holes for the footings, digging down 4 to 5 feet or until we hit ledge. If we hit ledge before the 4 foot frost line we will pin directly to the ledge.

Updated via email 10/21/2016--L.D.

Revised April 2016

If the terrain permits we will use sono tubes filled with concrete and re-bar. If there is too much moisture we will then use 6x6 pressure treated Lumber to post down. Current boathouse extends 3 ft beyond mean water level. Only hand machinery will be used. (Jack hammer to break up existing Concrete.

2. Describe the purpose of the proposed project:

The current boathouse has a cracked foundation, and due to many years without repair is in jeopardy of falling into the lake. This project would cover the removal of this boathouse before that happens, and a rebuilding new one. The new one would be essentially be a replica of the existing one.

3. Describe what less intrusive feasible alternatives have been considered:

Repair was considered but deemed not an option due to (a) the severely cracked foundation that is beyond repair (b) the state of some of the materials given the age of the structure (c) the state of some of the materials given the tree that came down on it some years back.

4. Describe the public benefits of the proposed project:

The boathouse is an eyesore at the end of this cove, it would be visually improving the shore line for recreational lake users. Additionally, if the boathouse is not replaced it will fall into the water. This will make the end of the cove potentially unaccessible in addition to a significant amount of debris being deposited into the water.

F. Encroachment Effects (describe how the proposed project will affect the following)

1. What measures are proposed to minimize the project's effects on water quality (e.g., use of a turbidity curtain)?

We will protect the area with a turbidity curtain for the duration of the project. Dismantling of the current structure will be done meticulously piece by piece to prevent as much debris as possible from being deposited to the water. After each construction day(s) the turbidity curtain will be checked and cleared of any debris. All site materials will be secured at the end of each day to prevent them from being blow into the water.

2. How will the project minimize effects to fish and wildlife habitat (e.g., project is not to commence until after fish spawning July 1 of any calendar year)?

This project will take place during the fall months (September through November) starting in 2016. Any major pieces of work will continue only during those fall months in following calendar years and never before July 1st to protect fish spawning.

3. Does the project propose removal of aquatic or shoreline vegetation? If so, what measures are proposed to reduce the effects of vegetation removal?

We will not be removing excessive aquatic or shoreline vegetation. Two dead (and already falling trees) that threaten the structure will be removed.

4. Describe the surrounding shoreline. Is the project consistent with these surroundings? What measures are proposed to ensure the project is in-keeping with the surroundings?

Are is surrounded by a steep grade hill with rock ledge and trees. Is only accessible by a small foot path. The project will remain entirely within the footprint of the existing structure. This is the only structure in the area, and we intend to closely mimic the natural look of the current boathouse with the new structure.

5. Will the project affect navigation, recreation, and other public uses? If so, how will these effects be minimized?

This project is located at the very end of a small dead end cove and ill in no way affect navigation, recreation or any other public use.

G. Applicant Certification

As APPLICANT, I hereby certify that the statements presented on this application are true and accurate and recognize that by signing this application, I agree to complete all aspects of the project as authorized. I understand that failure to comply with the foregoing may result in violation of the Chapter 11 of Title 29, § 401 *et seq.*, and the Vermont Agency of Natural Resources may bring an enforcement action for violations of the Act pursuant to 10 V.S.A. chapter 201.

Theodore S Allen

Applicant (landowner if applicable) Signature: Theodore S Allen Date: September 15, 2016

I. Applicant Preparer Certification (if applicable)

As APPLICATION PREPARER, I hereby certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Application Preparer Signature: _____ Date: 9/14/16

J. Additional Required Documentation: (please check to ensure you have completed the following)

- ☑ All sections of the application are complete or otherwise indicate "not applicable";
- ☑ Application includes site plans with aerial and cross section views;
- ☑ Application description includes dimensions and surface areas of cleared areas and impervious surfaces; and
- ☑ Application includes photos of project area.

K. Permit Application Fees		
Select the most applicable permit description and requisite fee. If the proposed project involves more than one of the project types, multiple fees may apply. For example, a project involving structural erosion control and marina improvement will require both fees (2) and (3).		
1. Non-structural erosion control project (e.g., rip rap):		
Non-structural erosion control project: $155.00		
Total:		
2. Structural erosion control project		
Structural erosion control project: $250.00		
Total:		
3. Other Projects (e.g., marina improvements):		
Other Project: $300.00		$ 300.00
Project Cost Fee: 0.01 times project cost	Total Project Cost: $ 10,000.00 x 0.01	$ 100.00
Total:		$ 400.00

Submit this form and application fee, payable to:
State of Vermont
Vermont Department of Environmental Conservation
Watershed Management Division
1 National Life Dr, Main 2
Montpelier, VT 05620-3522

Direct all correspondence or questions to Lake Encroachment Permitting at:
ANR.WSMDShoreland@vermont.gov.

For additional information visit: http://dec.vermont.gov/watershed/lakes-ponds.

VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION
WATERSHED MANAGEMENT DIVISION
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Lake Encroachment Application Addendum

For a Lake Encroachment Permit

Chapter 11 of Title 29, § 401 *et seq.*

This Abutting Land Owner Addendum is intended to accompany a completed *Lake Encroachment Permit Application* in instances of a proposed lake encroachment abutting land owners other than the applicant.

I. Abutting Land Owner Information
1. Name: Ken Kemon
Address: 1584 Dothan Road White River Jct., VT 05001-9374
2. Name: John & Lesley Tarbell
Address: 19 Milbrook Drive, Wilbraham, MA 01095
3. Name: William Pugh
Address: PO Box 610, Oxford, MD 21654
4. Name:
Address:
5. Name:
Address:
6. Name:
Address:
7. Name:
Address:
8. Name:
Address:
9. Name:
Address:
10. Name:
Address:

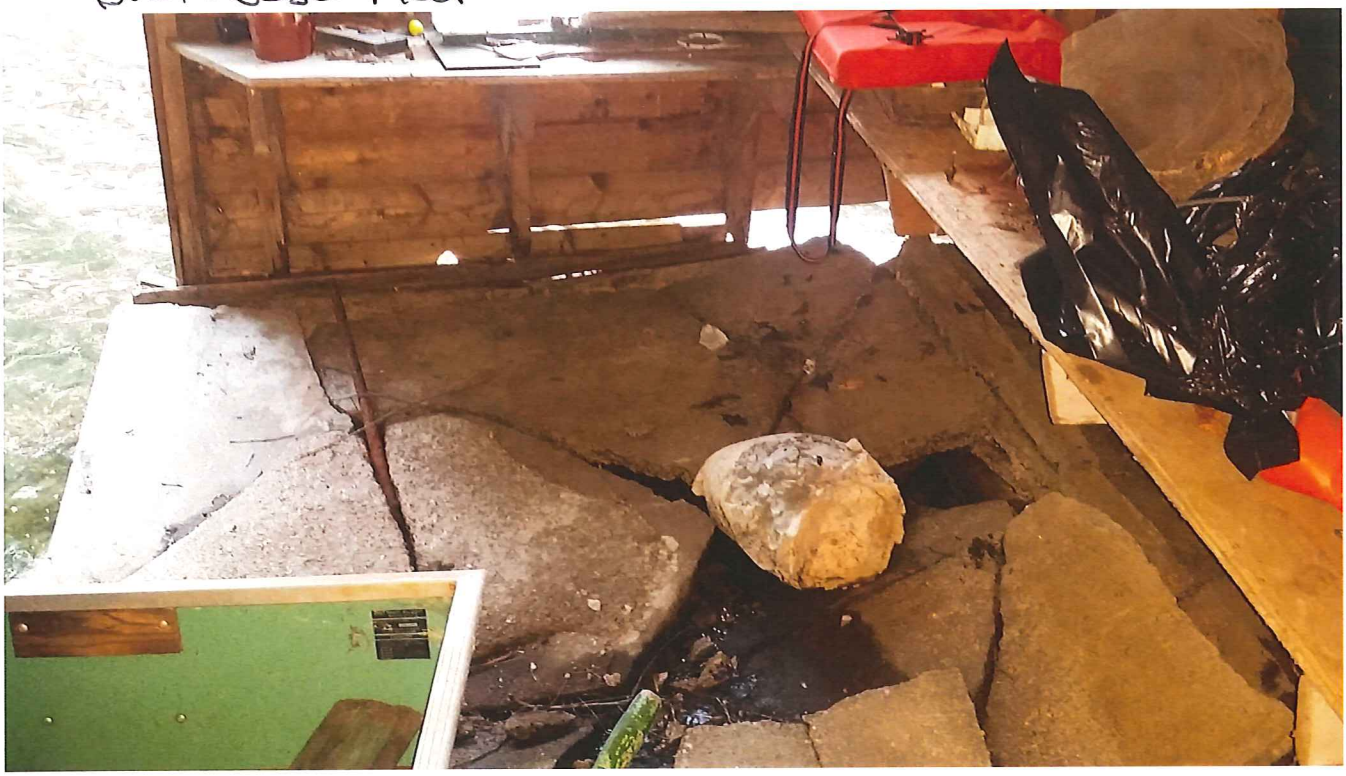
Submit this form as an addendum to a complete Lake Encroachment Application to:

State of Vermont
Vermont Department of Environmental Conservation
Watershed Management Division
Lake Encroachment Permitting 1
National Life Drive, Main 2
Montpelier, VT 05620-3522

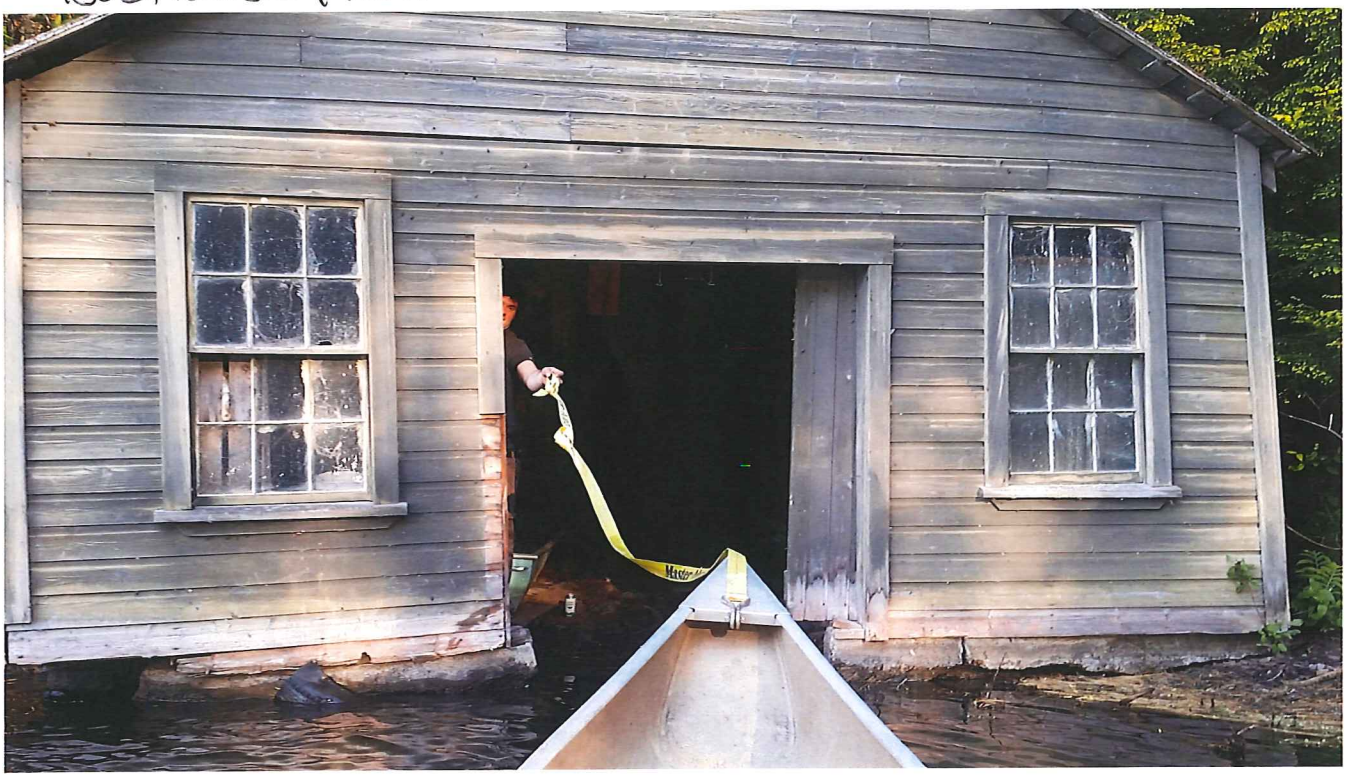
Direct all correspondence or questions to Lake Encroachment Permitting at:
ANR.WSMDShoreland@vermont.gov

For additional information visit: http://dec.vermont.gov/watershed

Boathouse Floor



Boathouse Front



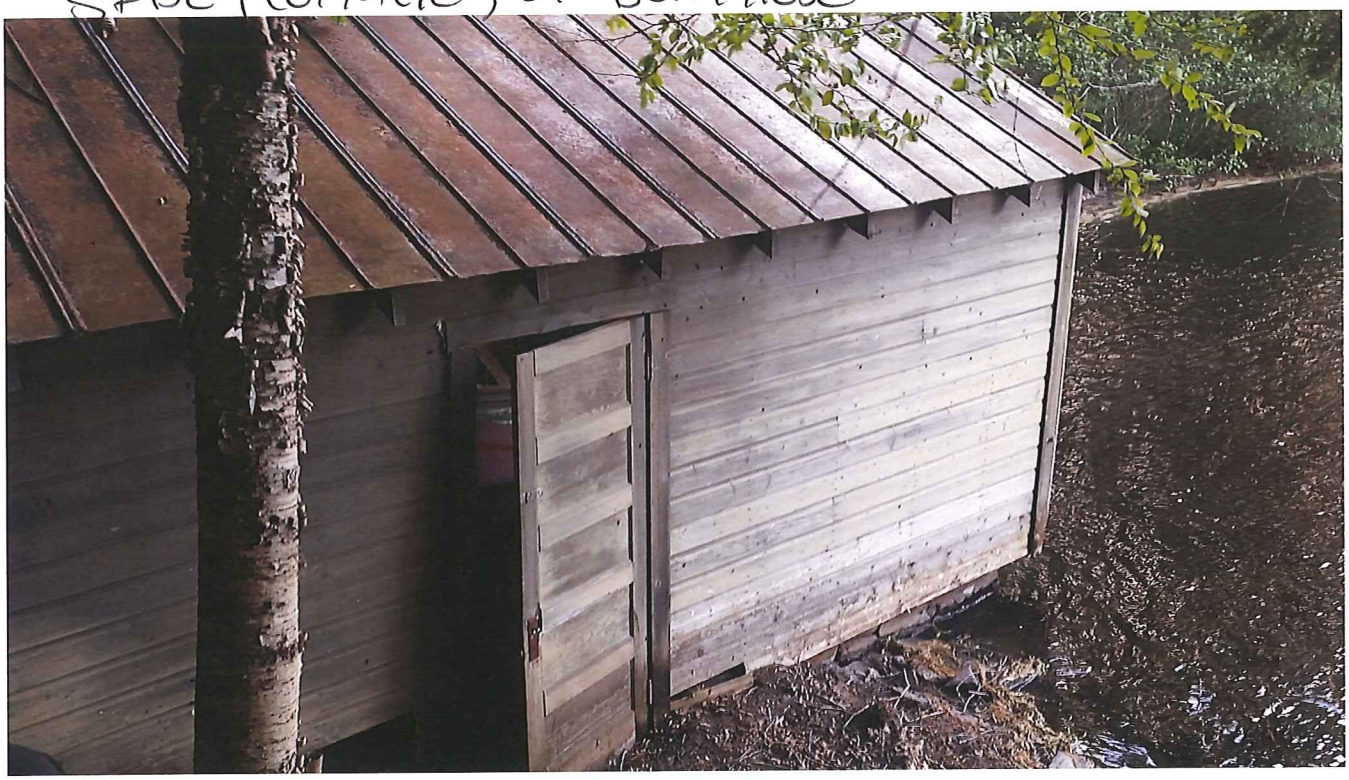
FRONT BOATHOUSE - FOUNDATION

Boathouse - Boat Access

FOOT PATH TO BOATHOUSE

BIRDSEYE OF BOATHOUSE

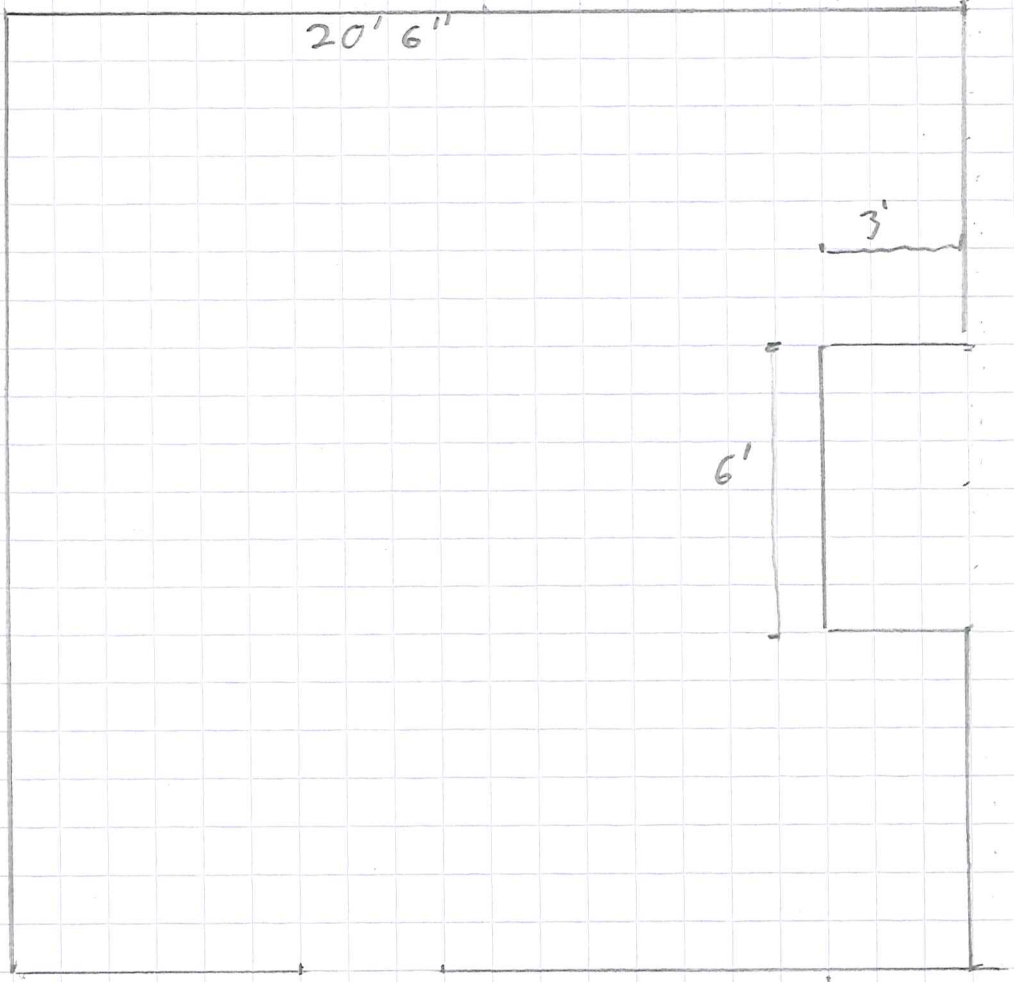
SIDE (COTTAGE) OF BOATHOUSE



BOATHOUSE FOUNDATION

INSIDE FLOOR OF BOAT HOSE

Boathouse Footprint



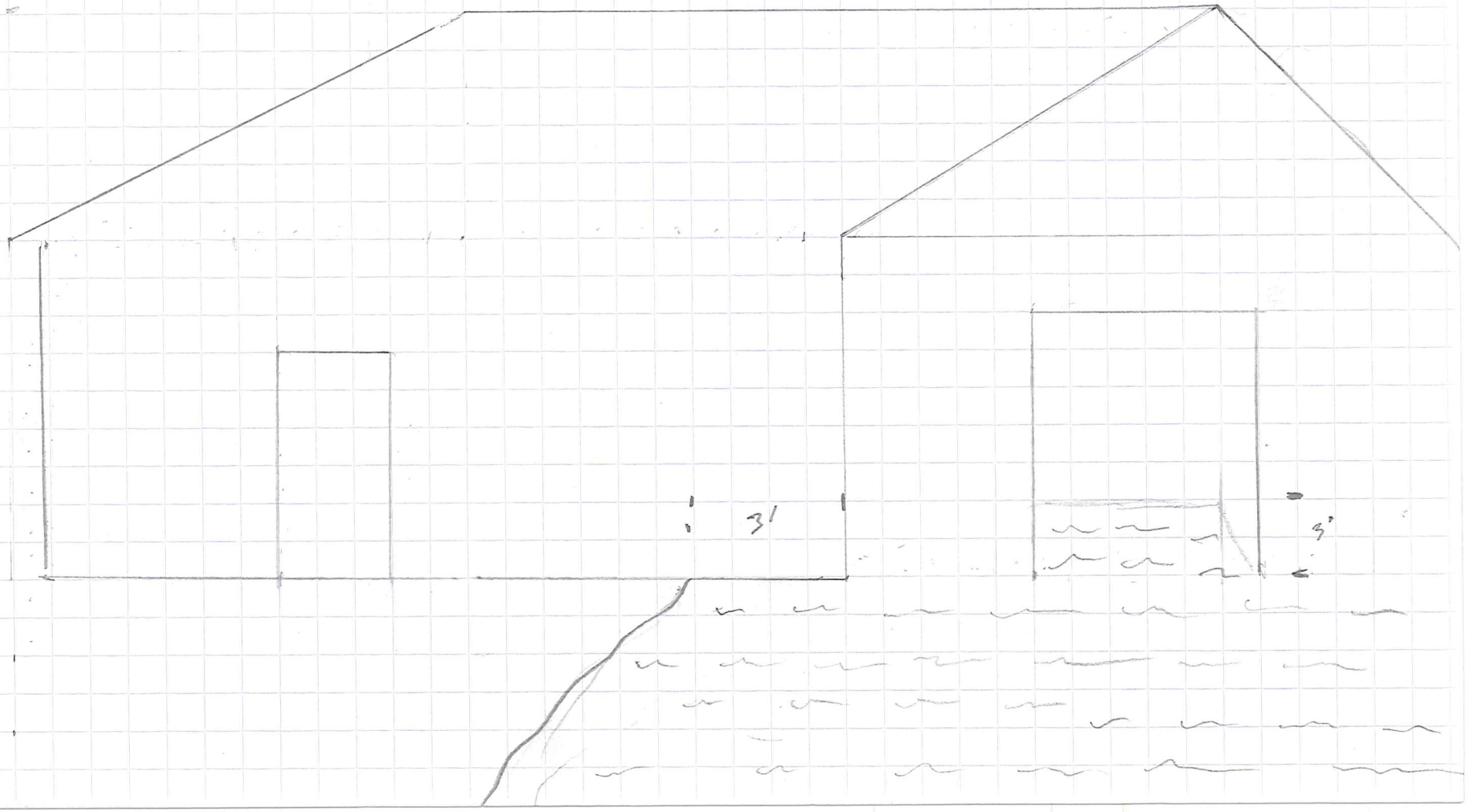
PROPOSED BUILD PLAN

ALLEN BOATHOUSE FOOTPRINT

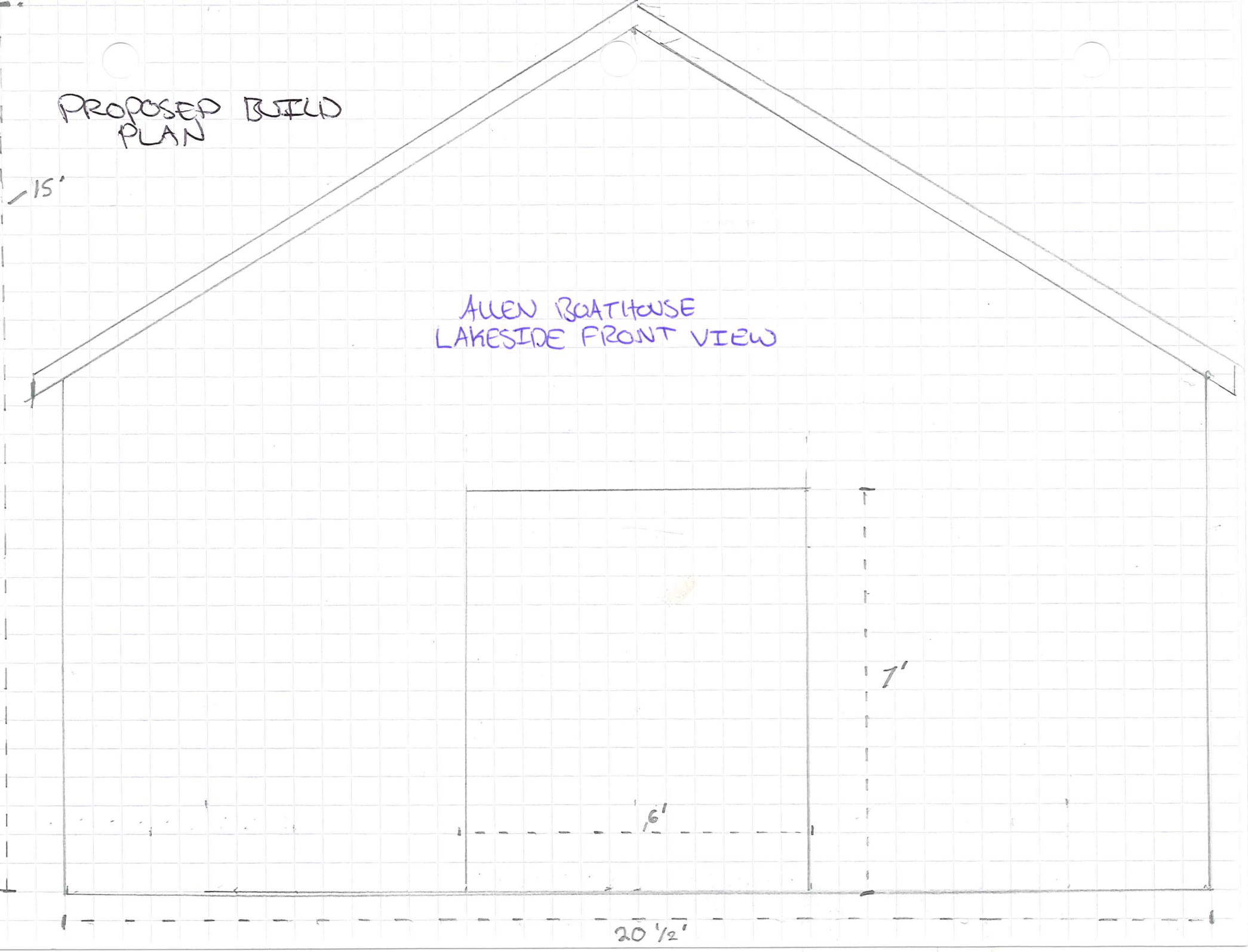
Structure is 20'6" x 20'6"

ALLEN BOATHOUSE
STRUCTURAL OVERVIEW

PROPROSED BUILD PLAN

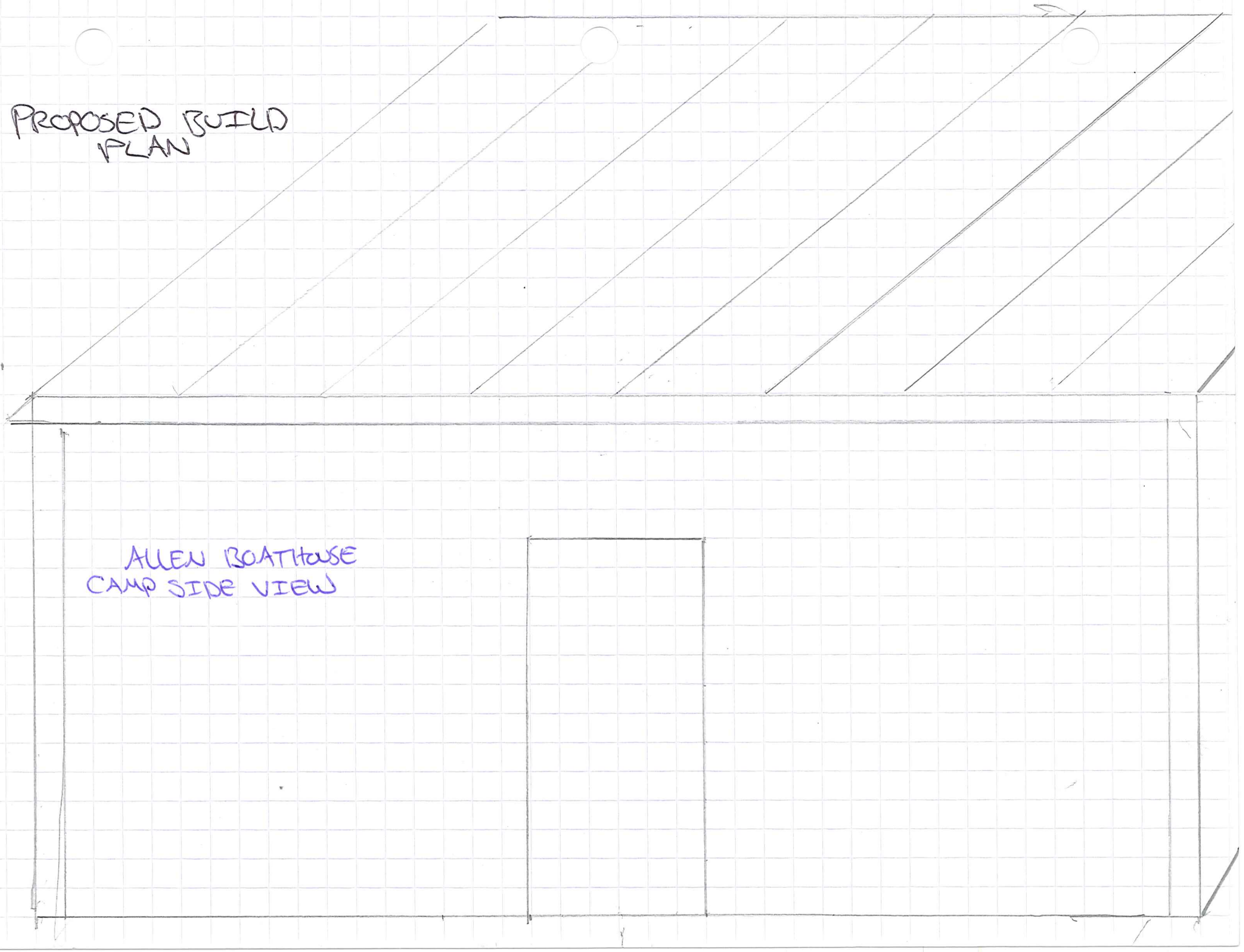


PROPOSED BUILD PLAN



ALLEN BOATHOUSE
LAKESIDE FRONT VIEW

PROPOSED BUILD PLAN



ALLEN BOATHOUSE
CAMP SIDE VIEW