Appeal Period Expires _11/17/11_ Zoning District _R2_	**Town of Essex, Vermont** **Application for Zoning Permit** www.essex.org	Application Date __/__/__ Permit Number _2011-174_

All construction is to be completed in accordance with the Town of Essex Zoning Regulations and any/all federal or state regulations now in effect. You are required to post this permit in a conspicuous location on the property during the appeal period and it must remain posted throughout the construction period. **You are required to contact the necessary state agencies to obtain state permits @ 879-5676.**

Any interested person may appeal the decision of the Zoning Administrator to the Zoning Board of Adjustment within fifteen (15) days of the permit's date of issuance. Commencing construction within this fifteen (15) day appeal period is prohibited by law.

Signed: _____

A

Parcel Account Numb. (Map-Parcel-Lot) 2-_0 4 4_-_0 5 7_-_0 0 0_
(found in Town Assessor's Office)
Property Address : _60 Founders Rd. Essex Jct._
Owner: _Essex Town School District_
Owner Address: _58 Founders Rd._
Owner Phone: (work) _879 7133_ (home) _____
(cell) _734-2230_ (Email) _pyoung@etsd.org_
Contractors name: _____ Phone: _____
Cell: _____
Estimated Construction Dates: Start: _10/20/11_ Completion: _5/20/12_
Sq. Feet: _168_ Estimated Cost (labor & materials): $ _1500_

B

Sewage Disposal (Please attach Sewer or Septic Application). _N/A_
Public ☐ Private ☐ Connection Fee $_____ Date Paid: __/__/__
Proposed New Bedrooms: ____ Existing Bedrooms ____

C

Water (Please attach Water Service Application). _N/A_
Public ☐ Private ☐ Fee $_____ Date Paid: __/__/__

D

Driveway (Please attach copy of approved Curbcut / Utility Application).
Date of approval __/__/__

E

Stormwater _N/A_
☐ Project disturbs an area greater than or equal to 1 acre – Erosion Control Permit Required. Attach completed permit application.
☐ Project creates new or expands existing impervious surface greater than or equal to ½ acre – Erosion Control Permit and Stormwater Management Permit required. Attach completed permit application.

F

Diagram – Show a sketch of project on reverse of this application with property lines, building, and setbacks or attach separate sheet. (Instruction sheet available upon request.)

See Attached

G

Signature of Tenant and
Signature of Owner _____

(G)

Check box(es) which describe proposed use or construction (circle choice in parenthesis).

N = New   A = Addition   R = Remodel

Residential:	N	A	R
Single Family	☐	☐	☐
Two-family (duplex)(other)	☐	☐	☐
Multi-family	☐	☐	☐
Condominium / Townhouse	☐	☐	☐
Mobile home	☐	☐	☐
Inclusions or Additions:			
Garage (attached) (detached)	☐	☐	☐
Porch (enclosed) (open)	☐	☐	☐
Deck	☐	☐	☐
Pool (in) (above) ground	☐	☐	☐
Shed	☒	☐	☐
Barn (residential) (agriculture)	☐	☐	☐
Non-residential:			
Commercial / Industrial	☐	☐	☐
Stormwater:			
Stormwater	☐	☐	☐
Erosion Control	☐	☐	☐
Other:			
Change in use	☐	☐	☐
Miscellaneous	☐	☐	☐
Renewal	☐	☐	☐

THIS PERMIT VALID FOR TWELVE (12) MONTHS FROM DATE OF ISSUE

(web) 11/02/10

10'

8'

8'

8'

2'   2'

168 ft²   14'   Sugar house

← new

12'   ↖ expand to allow for

96 ft²

12'   outdoor classroom· shed size.

8'   ← Tree House
(Existing)
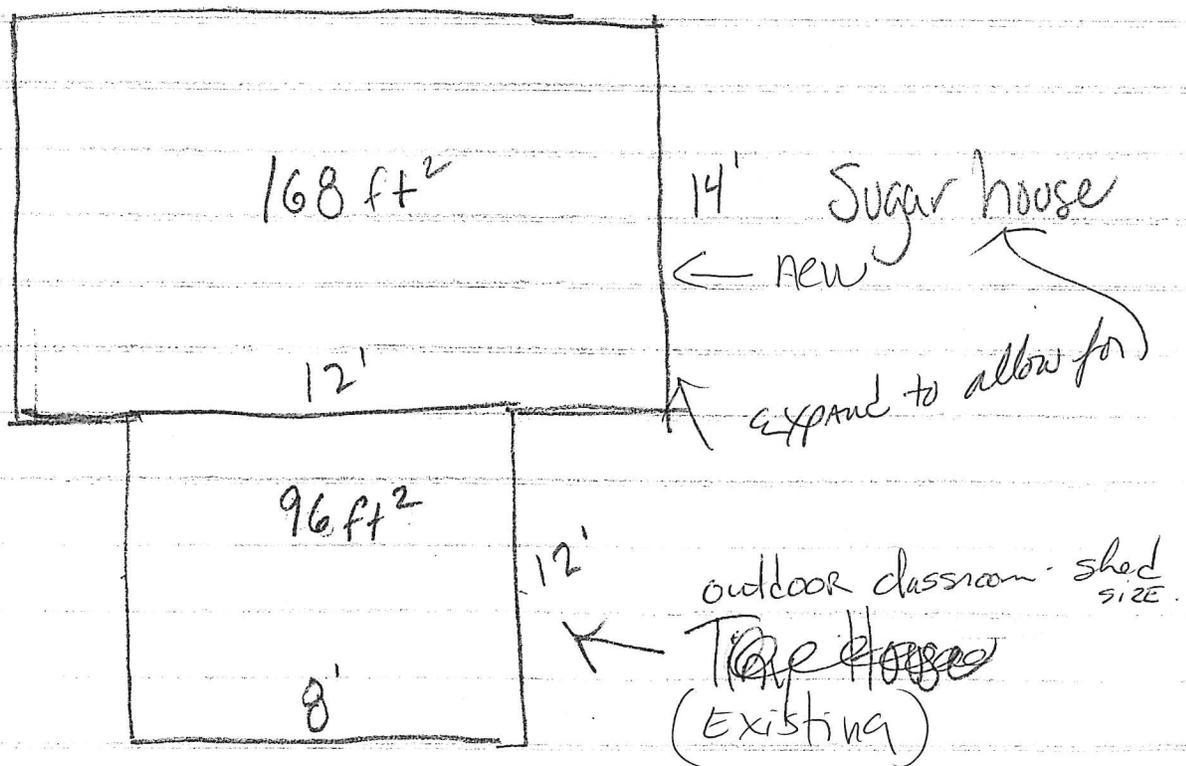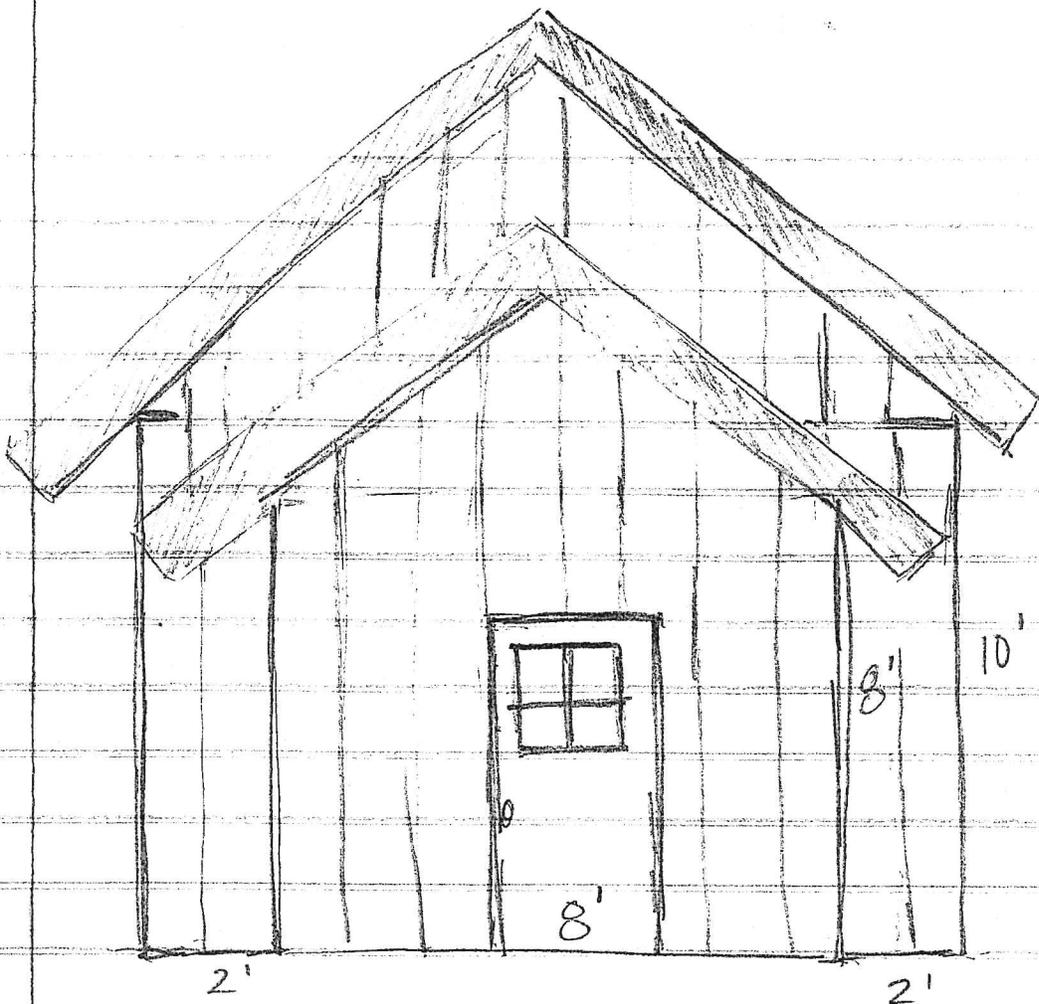
✗ EXCeeds All setbacks ✗

From:	Phil Young <pyoung@etsd.org>
Sent:	Wednesday, October 26, 2011 8:08 AM
To:	Sharon Kelley
Subject:	EMS Sugarhouse

Hello Sharon,

Our project is a 12x14 addition that will be added to a current shed that is 12x8 behind the middle school. The addition will be a seasonal structure used for sugaring. The location is directly behind the middle school and the Essex Fire Department said it was a safe location in relation to the Essex Middle School building. Essex Fire suggested to remove five trees to help eliminate smoke and steam when boiling. These trees have been removed by the Essex Town School District. This structure will also be available for younger students in the Town as a field trip to help learn about and participate in the sugaring process. The following is additional information about the project. Thanks, Phil Young

Benefits of a sugaring program at Essex Middle School for The Edge Academy

We are looking to build a sugar house to enhance our current curriculum. We have been sugaring at EMS for four years and are looking to expand our curriculum to further our students learning and include more students and community members to visit and learn more about this Vermont tradition. Maple sugaring during school will provide our learners the opportunity to make real-life connections to Vermont history, economy and agriculture. It also allows us to expand our teams community building experiences through maplefests, field trips and by offering community use of the space and resources to organized groups like cub scouts and the Vermont Youth Conservation Corp.

A maple syrup unit study lends itself easily to the learners who prefers hands-on life experiences and using "real" books to textbooks. Learning activities around sugaring range from simple counting, addition, subtraction, spelling, reading, writing, units of measure, to art, critical thinking, and social studies, chemistry, botany, nutrition and economics, mathematics. Not to mention the skills of hard work and patience.

Curriculum Areas
Science

- Identify the four types of maple leaves that produce syrup-making sap and what sap is
- Recognize the effects global warming could have on Vermont's maple sugaring business
- Graph them and predict sap season's beginning and end.
- Learn the biology of maple sap flow.
- Learn to use tools like an evaporator, hydrometers and refractometer.
- Understand the water cycle- condensation, evaporation and precipitation...through the sugaring process
- Explain and understand the process of reverse osmosis and how it relates to large maple sugaring operations.
- Discuss the ecological principles of syrup making and how to be a good steward of maple trees.
- Learn how density in one indicator to determine when syrup is done.

History

- Share and research Native American legends about how it was discovered that sap from maple trees could be made into syrup, such as the Iroquois legend of Chief Woksis or the story of Nanabush.
- Research the syrup harvesting process from its early days of collection in clay and bark vessels to modern-day methods that incorporate reverse osmosis reduction, steam- and oil-powered evaporation, and vacuum systems.
- The importance of sugaring to the Vermont economy has had in the past, present and future

Geography

- Learn where in northeastern United States and southeastern Canada to have students show the limited climate suitable for growing syrup-producing trees.
- Discuss the concepts of exporting and importing
- Learn about the Vermont and Canadian culture and its "sugaring off" traditions.

Math

- Reinforce the concepts of percentages and ratio
- Graphing
- Research at what temperature sap becomes syrup and why this can change from one day to the next.
- Economics

Language Arts

- There are lots of great books available about sugaring
- Write in Journals about the sugaring season.

Health

- Investigate the health benefits of maple syrup (which not only has fewer calories by volume than either sugar or honey, but is a source of several minerals and even amino acids and proteins).

Home Economics

- Experiment with new recipes that use maple syrup as the sweetener

Spelling and Vocabulary

- Spelling and vocabulary words range from words for the second-grader (roots, axe, maple, spile) to upper elementary (syrup, sugar, evaporator, production) to even older students (mechanism, hydrometer, commercial, osmosis).