

Appeal Period Expires 12/21/10  
 Zoning District R2

**Town of Essex, Vermont**  
**Application for Zoning Permit**  
 www.essex.org

Application Date 11/19/10  
 Permit Number 2010-183

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.

30, 33, 58 And 60 FOUNDERS RD

Signed: \_\_\_\_\_

**A** Parcel Account Numb. (Map-Parcel-Lot) 2-044-057-050  
 (found in Town Assessor's Office)  
 Property Address: 2-045-012-000  
 Owner: ESSEX TOWN SCHOOL DISTRICT  
 Owner Address: 58 FOUNDERS RD ESSEX VT  
 Owner Phone: (work) 857-2006 (home) \_\_\_\_\_  
 (cell) 831-2600 (Email) RGEORGE@ETS.D  
 Contractors name: RISE ENGINEERING Phone: 933-1081  
EFFICIENCY VT. 860-4092  
 Estimated Construction Dates: Start: 12/15/10 Completion: 2/28/11  
 Sq. Feet: \_\_\_\_\_ Estimated Cost (labor & materials): \$8,143

**G**

Check box(es) which describe proposed use or construction (circle choice in parenthesis).  
 N = New A = Addition R = Remodel

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

*new Light fixtures FACADE*

**B** Sewage Disposal (Please attach Sewer or Septic Application).  
 Public  Private  Connection Fee \$ \_\_\_\_\_ Date Paid: N/A  
 Proposed New Bedrooms: \_\_\_\_\_ Existing Bedrooms: N/A

**C** Water (Please attach Water Service Application).  
 Public  Private  Fee \$ \_\_\_\_\_ Date Paid: N/A

**D** Driveway (Please attach copy of approved Curbcut / Utility Application)  
 Date of approval 1/1 N/A

**E** Stormwater  
 Project disturbs an area greater than or equal to 1 acre – Erosion Control Permit Required. Attach completed permit application. N/A  
 Project creates new or expands existing impervious surface greater than or equal to 1/2 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.)  
EXISTING BUILDING FACADE LIGHTING TO BE REPLACED WITH LED FIXTURES RE DESCRIBED ON THE ATTACHED

**G** Signature of Tenant and Signature of Owner  
Roger W George DIRECTOR OF FINANCE

**Office Use Only**

Fees:	Type	Amount	Date Pd
Permit		\$ 100.00	12/06/10
Recreation		\$	
Recording		\$ 20.00	12/06/10
Certificate of Occ		\$ 75.00	12/06/10
Other		\$	

**Building Permit**  
 Approved  Rejected  Date 12/06/10  
 Issued to: Essex Town School District  
 Zoning Administrator: Shawn Kelly  
 Notes: Approved by the Planning Commission on 11-18-10  
 C.O. Required Yes  No

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

(web) 11/02/10



**RISE**  
ENGINEERING

Division of Thielsch Engineering, Inc.  
1233 Shelburne Road, Suite E6  
S. Burlington, VT 05403

November 22, 2010

### CERTIFICATION REGARDING ESSEX TOWN SCHOOL DISTRICT LIGHTING

Lighting attached to all buildings at Essex Town School District is being replaced as part of the Lighting Plus program currently offered by Efficiency Vermont and RISE Engineering. Only existing lighting is being replaced; no new fixtures are being added. Lighting output will not increase. Wattage on a per fixture basis is decreased by at least 50% and, in most cases, by a factor greater than that. Color temperature has also improved. All new fixtures will have a Kelvin color temperature of 5250K to 5584K, replacing color temperature ranges from 2500K to 4000K. Furthermore, lighting distribution will be improved as the new fixtures will be down shielded 90 degrees, full cut off and dark sky compliant as established by The International Dark Sky Association.

Joseph Marcotullio  
RISE Engineering



ESSEX TOWN SCHOOL DISTRICT  
58 Founders Road  
Essex Junction, Vermont 05452  
(802) 878-8168 (FAX) 878-5190

**Mark S. Andrews, Superintendent**

Terence J. Keating, Director  
Student Support Services

Ellen A. Thompson, Director  
Instruction and Information Services

Roger W. George, Director  
Business & Financial Affairs

---

## MEMORANDUM

**TO:** Town Planning Commission Members

**FROM:** Roger George 

**DATE:** November 18, 2010

**SUBJECT:** Wall-Mounted Lights at all Essex Town School District Building Locations

---

Essex Town School District respectfully requests permission to replace certain wall-mounted light fixtures at all building locations by use of a building permit rather than going through formal review before the Planning Commission. The School District believes that this request is not only very cost-effective but minor as well. However, if you believe that swapping these lights would trigger the need for a Minor Site Plan Amendment, we would then request that the Planning Commission consider conducting this formal review without submission of a lighting plan as a time and cost-saving measure.

- As you will recall, last year the School District made formal application for replacing parking lot lights with LED fixtures. A lighting plan for this purpose was submitted by Hamlin Engineering. A representative from Efficiency Vermont came to one of your meetings to provide information relative to LED lighting.
- The School District again has the opportunity to receive assistance through Efficiency Vermont for this retrofit project recently proposed. Along with saving tax dollars, this project would also enhance safety and security as some inoperable fixtures are beyond repair.
- Approximately forty-eight 50 watt, 70 and 100 watt sodium or metal halide lights fixtures would be replaced with 10 or 20 watt LED fixtures. Annual energy savings are estimated at 17,838 KWh, or \$2,069. LED replacements are not available at this time for higher wattage fixtures.
- New light fixtures would not be added. We would simply replace existing fixtures. Detailed replacement listings by building and product information sheets have previously been provided to the Town administration.
- The color temperature for both the 10w and 20w LED fixtures is 5584K, well within the range of 4500K to 6500K published in Town zoning regulations. All fixtures are 90 degrees down shielded.
- The entire project is estimated at \$11,876, but the net cost to the School District after Efficiency Vermont incentive is \$2,069. This is the same dollar amount as the estimated energy savings, thus resulting in a one-year payback.
- Payback to District taxpayers would increase to approximately five years if the District is required to submit a lighting plan, the cost for which has been estimated at \$7,500 by Hamlin Engineering.