



November 9th, 2020

Town Manager
Town of Bowdoinham
13 School Street,
Bowdoinham, ME 04008

RE: Current State of Bowdoinham Recycling Building

To whom it may concern,

Calderwood Engineering has reviewed the reports developed in 2008 and 2013 and is providing this letter to discuss the current capacity of the Recycling building. This does not include the roof repairs or sheathing of the exterior wall repairs that were recommended in 2013 and 2020. This letter provides the existing capacity of the 2nd and 3rd floor.

The allowable live loads on the 2nd and 3rd floor (in pounds per square foot (psf))

- Above the trussed section, the allowable floor load is 32psf
- On areas on the 2nd and 3rd floor where the center bay of the building is undecked the allowable floor load is 27.5psf
- On areas of the 2nd and 3rd floor where the center bay of the building is decked, the allowable floor load is 16psf. These areas were improved per the 2008 report to include an additional 2x8 girder to the (3) existing 2x8's. In any location in the building where this repair was not done, the allowable floor load is 11psf

If these live loads are not exceeded, then the building may remain in use. The Town and Landlord would be required to weigh any items that are to be placed on the upper floors and ensure that the floor load does not exceed these limits.

In regards to the repairs to the roof trusses and the sheathing required on the exterior walls, they may be started next spring if the following precautions are taken. The roof must be kept clear of snow during the winter, and should be cleaned as soon as possible following the conclusion of any storm. Additionally, the wall may be temporarily braced by installing 2x6 laterally on all three floors, halfway between each floor, nailed to each vertical stud with 16penny nails.

Should you have any further questions please feel free to contact us directly.



Respectfully Submitted

A handwritten signature in black ink, consisting of the letters "T", "D", and "C" in a stylized, cursive font.

Thad D. Chamberlain, EI