



October 26<sup>th</sup>, 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 2<sup>nd</sup> and 3<sup>rd</sup> floor.

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

- Above the trussed section, the allowable floor load is 32psf
- On areas on the 2<sup>nd</sup> and 3<sup>rd</sup> floor where the center bay of the building is undecked the allowable floor load is 27.5psf
- On areas of the 2<sup>nd</sup> and 3<sup>rd</sup> 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:

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

Respectfully Submitted

Thad D. Chamberlain, EI