

Memorandum

Date: February 13, 2017

To: Bob Martin
Director of Facilities and Construction
High Desert ESD
471 Ochoco Plaza Drive
Prineville, OR 97754

Project: Skyliner Lodge
Snow Assessment & Recommendations

Job #: 17046

Subject: Structural Observation for Snow Assessment & Recommendations

Comments:

Per your request Ashley & Vance Engineers, Inc. has reviewed the snow loading conditions at the Skyliner Lodge on February 6th, 2017. Our determination is the building is safe to occupy. There were no visible deflections of the structure of the lodge, however, snow removal may be recommended if another snow system comes in that promises to deposit more snow similar to what we experienced last month. The recent and continuing warm weather will mitigate the need for snow removal. The majority of the structure has a steep roof slope of 34 degrees, which equates to about 8 on 12. The roof consists of 5-1/2" round purlins @ ~32" OC spanning approximately 11'-4" horizontally. These are supported by walls or beams that are 12"+ in diameter. A more pressing issue may be the ice damming that has occurred. Ice damming should be removed as much as possible or at the least, grooves in the ice cut to roof structure to allow water to drain. It is our opinion that the structure is safe to occupy.

Please do not hesitate to contact my office if you have any further questions or need anything else.

Sincerely,



Rollston Frangopoulos, PE