

Memorandum

Date: February 13, 2017

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

Project: Crook County School District Administrative Building
Snow assessment & Recommendations

Job #: 17046

Subject: Structural Observation for Snow Removal Recommendations

Comments:

Per your request Ashley & Vance Engineers, Inc. has reviewed the snow loading conditions at the building(s) at the above listed address on January 12th, 2017. Our determination is the building is safe to occupy however, snow removal is recommended at areas where snow depths exceed 12". The majority of the structure has a flat roof with a small parapet. Due to the excessive deflections noticed inside the building at the dropped ceiling panels, we recommend that this roof be cleared of snow before additional future precipitation. Ponding due to the relatively low slope is a concern, especially if the roof drainage is not functioning properly. Additionally, all scuppers and drains should be checked for ice dams and snow and ice removed to allow for a clear path for drainage. We recommend a future site visit in the spring when no more snows are expected to review the structure and to evaluate damage to non-structural components. It is our opinion that the structure is safe, however, with such large deflections, portions of the roof may not rebound completely.

Refer to the Cover Memo provided by our office to CCSD dated January 16th, 2017 for additional observations and recommendations. Please do not hesitate to contact my office if you have any further questions or need anything else.

Sincerely,



Rollston Frangopoulos, PE