



# Industrial Roof

Oregon



Extensive roof damage was discovered within an industrial plant's warehouse building. Our office was brought in to determine the extent of damage, cause of the damage and to provide repair solutions. After a thorough investigation, our engineers identified the extent of the damage and determined the cause to be overloading of the roof due to rain ponding. Primary roof drains were clogged by debris related to the industrial process and no secondary drains were provided as required by the building code. Ponding of rainwater led to excessive deflections of structural framing members, which led to an increased depth of ponding. Ultimately, the rainwater overloaded roof joists and led to a failure of the framing system.



**STRUCTURAL FORENSICS**

for more information contact John Evans, P.E. at 541-752-9202



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