

Structural Integrity

Consulting Engineers, Inc.

August 3, 2017

Mr. Luke Davidson
Maine Craft Distilling
101 Fox Street
Portland, Maine

Reference:
Barrel Rack Capacity Check for Maine Craft Distilling
SI Inc. #17-0161

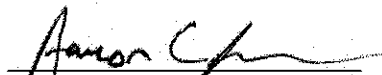
Dear Mr. Davidson,

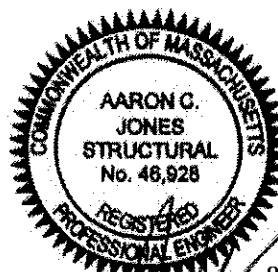
As requested I am writing this memo regarding the existing barrel rack at the above referenced site. The opinions expressed are based on limited visual observations during my visit to the site and my knowledge of structures, their components, and the related building codes. No physical testing was performed to determine the adequacy of the complete structural systems. Architectural/life safety conditions are not included in this report. No warranty expressed or implied, as to the condition of the complete structure, is intended.

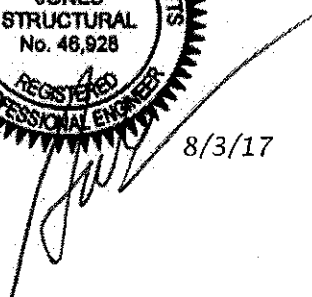
I observed the in-place racks designed to support three barrels each. The horizontal framing members are comprised of 4x4 and 4x6 framing. Based on our calculations, we have determined that although the 4x6 members are adequate, the 4x4 framing members are not adequate to support the loads at their present spans. We recommend that a post similar to others in place, is added at mid-span below the horizontal 4x4 framing members, extending to solid bearing, to reduce the span and increase capacity. Once this has been completed, it is our recommendation that the racks will be safe for their intended use.

Please do not hesitate to call with any question, comments, or if I can be of further assistance.

Sincerely,


Aaron C. Jones, P.E., SECB
President




8/3/17