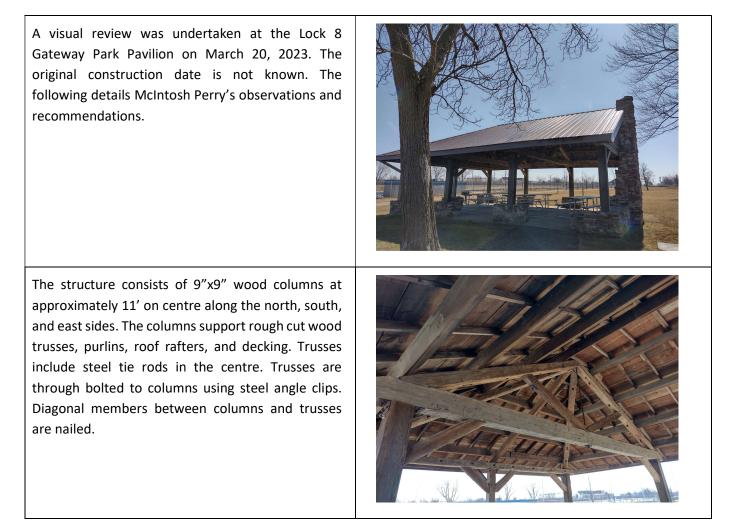
## MCINTOSH PERRY

March 21, 2023

Mae Lannan, Climate Change Coordinator City of Port Colborne 3 Killaly Street West Port Colborne, Ontario L3K 2L5

Dear Ms. Lannan:

## Re: Lock 8 Gateway Park Pavilion



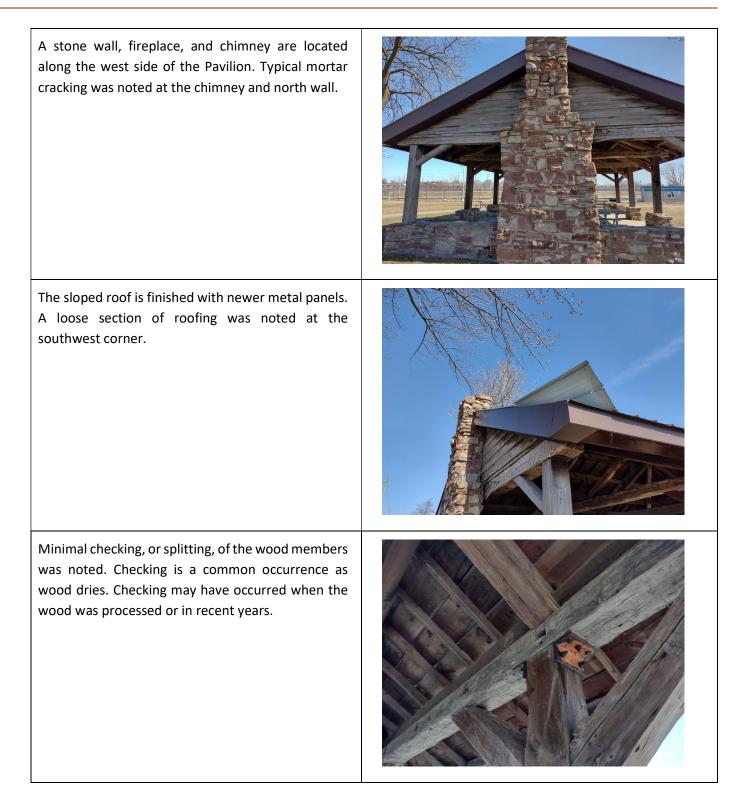
Columns are encased with red sandstone at their bases. Stone bases are presumed to be supported by concrete pads or piers. A concrete slab on grade is installed throughout the pavilion, independent of the concrete pads or piers. Termination of the wood columns is unknown.

Cracking along mortar joints was noted at all stone bases. Minimal cracking of stones was noted. Cracks range from hairline to approximately 5mm. Mortar between columns and bases has separated. Significant separation between the stone base and wood column was noted at the northwest corner.



The wood column at the northwest corner is deteriorated where visible within the stone base. There is also notable movement of the column. The column is not supported.





Based on this limited, visual review, the condition of the structure is fair. The degree of deterioration of the remaining five wood column bases is unknown but is presumed to be like what is observed at the northwest column. Detailing of the stone column bases does not allow for water entry, through mortar gaps and the porous nature of the stone and mortar, to drain freely. Column bases are also untreated (preservative not used) which exacerbates the issue.

MP is of the opinion that the structure should not be used in its current state due to unknown conditions of the wood members. It is recommended that the loose metal roofing be removed, or resecured and remaining fasteners be reviewed due to high winds observed. The columns require temporary support until re-design and rebuilding can commence. The checking of the wood members should be monitored as part of maintenance.

The statements made in this letter are based solely on the information obtained to date as part of the above referenced assessment. McIntosh Perry Limited has used its professional judgement in assessing this information and formulating its opinions and recommendations. The mandate at McIntosh Perry Limited is to perform the tasks prescribed by the client with due diligence of the profession. No other warranty or representation is expressed or implied as to the accuracy of the information or recommendations included or intended in this letter. McIntosh Perry Limited disclaims any liability or responsibility to any person or party for any loss, damage, expense, fine or penalty which may arise or result from the use of any information or recommendation contained in this letter.

Subsurface conditions are to be verified and specifications/drawings are required to properly define the Scope of Work and to obtain formal quotations for any major repair or refurbishment work.

**McIntosh Perry** 

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