



TTF ENGINEERING

Tuesday April 25, 2023

To:

Jabulani Vineyard and Winery
8005 Jock Trail,
Richmond, ON
K0A 2Z0

RE: **Fire Flow Calculation – Based on Building Area**

Dear Jabulani:

The building area is based on the following definition:

Building area means the greatest horizontal area of a building above grade,

- (a) within the outside surface of exterior walls, or
- (b) within the outside surface of exterior walls and the centre line of firewalls.

The Building area is calculated to be 542 sq.m.

We confirm our statement from our previous submission that per OBC A-3.2.5.7, Table 2 the minimum amount of water supply is 1800 l/min for 30 minutes.

This calculates out to 54,000 litres of stored water needs to be available.

A calculation based on the volume of the building was attempted but it turned out to be less than the minimum requirements, so it offered no advantage.

Sincerely,

Terry Vivyurka, P.Eng.

