

<b>File No.</b>	20-184	<b>Date:</b>	13/10/2020
<b>Project:</b>	Proposed Apartment Buildings	<b>Designed:</b>	Guillaume Brunet
<b>Project Address:</b>	3817-3843 - Innes Road	<b>Checked:</b>	Guillaume Brunet
<b>Client:</b>	Oligo Developemtn	<b>Drawing Reference:</b>	C200 & C300

**BLOCK B**

Term	Options	Multiplier	Choose:	Value	unit	Fire Flow		
Coefficient C related to the type of construction	Wood Frame	1.5	Non-combustible construction	0.8				
	Ordinary Construction	1.0						
	Non-combustible construction	0.8						
	Fire resistive construction <2 hrs	0.7						
	Fire resistive construction >2 hrs	0.6						
Type of housing	Single family dwelling	0	Building - no. of units per floor	7	unit			
	Townhouse - no. of units	0						
	Building - no. of units per floor	2						
	Number of floors excluding the basement						5	floor
	Floor space per unit	1					557	557
Required fire flow	<b>Fire Flow = 220 x C x Area<sup>0.5</sup></b>				L/min	<b>9,288</b>		
					L/s	155		
Occupancy hazard reduction or surcharge	Non-combustible	-0.25	Limited combustible	-0.15				
	Limited combustible	-0.15						
	Combustible	0						
	Free burning	0.15					L/min	<b>7,895</b>
	Rapid burning	0.25					L/s	132
Sprinkler reduction	Sprinklers (NFPA13)	-0.30	True	-0.3				
	Water supply is standard for both the system and fire department hose lines	-0.10	True	-0.1	L/min	<b>3,948</b>		
	Fully supervised system	-0.10	True	-0.1	L/s	66		
Exposure distance between units	North side	Over 45m	0					
	East side	10.1 to 20m	0.15					
	South side	Over 45m	0		L/min	<b>4,935</b>		
	West side	20.1 to 30m	0.1	0.25	L/s	82		
Minimum required fire flow rate (rounded to nearest 100)					L/min	<b>4,900</b>		
Minimum required fire flow rate					L/s	<b>82</b>		
Required duration of fire flow					min	<b>30</b>		