

**Project :- Midland Appliance Langley**

**Location :- 20670 Langley Bypass, Langley City, BC**

**Estimate Date :- 2nd June 2021**

**Estimator :- Teesbee Consultancy**

### 210000 Fire Protection Estimate

	Description	Unit	Quantity	Unit Rate	Amount
<b>Design/Permit/Engineering</b>					
1	Design & Engineering	Sum	1	9,000.00	9,000.00
2	Permit	Sum	1	3,500.00	3,500.00
3	Supervision	Sum	1	4,500.00	4,500.00
<b>Sub Total</b>				<b>17,000.00</b>	
<b>Insurance</b>		<b>3%</b>		<b>510.00</b>	
<b>Overhead and Profit</b>		<b>22%</b>		<b>3,740.00</b>	
<b>Total Amount</b>				<b>21,250.00</b>	
<b>Fire Sprinkler System</b>					
4	Allow for remove existing sprinkler heads	Sum	1	4,500.00	4,500.00
5	Allow for remove existing sprinkler piping as per new design	Sum	1	6,300.00	6,300.00
6	Sprinkler nozzles	Nos	180	45.00	8,100.00
7	Sprinkler main pipe (Assumed 4" DI pipe - DN100)	L.ft	160	36.90	5,904.00
8	Sprinkler pipe (Assumed 3" DI pipe - DN80)	L.ft	280	31.30	8,764.00
9	Sprinkler pipe (Assumed 2" DI pipe - DN50)	L.ft	465	24.30	11,299.50
10	Sprinkler pipe (Assumed 1 1/4" DI pipe - DN32)	L.ft	640	22.00	14,080.00
11	Sprinkler pipe (Assumed 1" DI pipe - DN25)	L.ft	760	21.10	16,036.00
12	Allow sum for Sprinkler drain	Sum	1	7,500.00	7,500.00
13	Allow sum for valves and controllers	Sum	1	6,000.00	6,000.00
14	Allow sum for ceiling modifications	Sum	1	12,000.00	12,000.00
15	Allow sum for connect to existing piping	Sum	1	3,300.00	3,300.00

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	Description	Unit	Quantity	Unit Rate	Amount
16	Allow sum for lifting equipments	Sum	1	3,400.00	3,400.00
17	Testing & commissioning	Sum	1	2,000.00	2,000.00
	<b>Sub Total</b>				<b>109,183.50</b>
	<b>Insurance</b>			<b>3%</b>	<b>3,275.51</b>
	<b>Overhead and Profit</b>			<b>22%</b>	<b>24,020.37</b>
	<b>Total Amount</b>				<b>136,479.38</b>
	<b>CAD As-Builts</b>				
18	CAD As-Builts	Sum	1	5,000.00	5,000.00
	<b>Sub Total</b>				<b>5,000.00</b>
	<b>Insurance</b>			<b>3%</b>	<b>150.00</b>
	<b>Overhead and Profit</b>			<b>22%</b>	<b>1,100.00</b>
	<b>Total Amount</b>				<b>6,250.00</b>
	<b>Fire Extinguishers</b>				
19	Fire Extinguishers with Cabinet - Supply Only (Installation By Others)	Noa	20	200.00	4,000.00
	<b>Sub Total</b>				<b>4,000.00</b>
	<b>Insurance</b>			<b>3%</b>	<b>120.00</b>
	<b>Overhead and Profit</b>			<b>22%</b>	<b>880.00</b>
	<b>Total Amount</b>				<b>5,000.00</b>