

FRASER VALLEY INSTITUTION

APPENDIX C – Device list and Device Locations

FRASER VALLEY INSTITUTION															
FIRE PROTECTION SYSTEMS - ASPECT # 1: Fire alarm system/devices															
Component	main alarm panel	manual pull station	manual pull station-2stage	smoke detector	smoke detector	heat detector RHT	pressure switch	flow switch	Supervisory device	strobe	horn with strobe	buzzer/chime/audible device	bell	fault isolation module/iso	end of line resistor
Device Type				duct	photo/ion	rate of rise	low air		other						
BUILDING	Make/Stage	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty
A	1 - Simplex 4100U - 1 stage	2	6	2	8			7	2	1			8		2
B	1 - Simplex 4010 - 1 stage		7	3	3			3	7	3			9		1
C	1 - Simplex 4010 - 1 stage		4	9									1		1
D	1 - Simplex 4010 - 1 stage		3		27			1	1	2		13	3		
E	1 - Simplex 4010 - 2 stage		5	3	23		1	7	10	1		1	11		2
F	1 - Simplex 4010 ES - 2 stage	18		10	8			6	15	2			6		2
G	1 - Simplex 4010 - 1 stage		3		10			1	2	2		1	3		1
H	1 - Simplex 4010 - 1 stage	3			2	4			2				2		1
J	1 - Simplex 4010 - 1 stage		5			14							3		2
K	1 - Simplex 4010 - 1 stage	3			6								1		1
L	1 - Simplex 4010 - 1 stage	2				5							1		
P	1 - Simplex 4010 - 1 stage	4		2	3			1	3				4		1
Q	1 - Simplex 4100 ES - 1 stage	10			4			3	7				7		2
R	1 - Simplex 4100 ES - 1 stage		12		41			4	9		14	9			
Housing 01	1 - Simplex 4010 ES - 1 stage		3		8			1	1	2			2	3	1
Housing 02	1 - Simplex 4010 ES - 1 stage	1	3		8			1	1				2	3	1
Housing 03	1 - Simplex 4010 ES - 1 stage		4		8			1	1				2	3	1
Housing 04	1 - Simplex 4010 ES - 1 stage		4		8			1	1				2	3	1
Housing 05	1 - Simplex 4010 ES - 1 stage		5		8			1	1				2	3	1
Housing 06	1 - Simplex 4010 ES - 1 stage		5		8			1	1				2	3	1
Housing 07	1 - Simplex 4002 - 1 stage		5		8			1	1				2	3	1
Housing 08	1 - Simplex 4010 ES - 1 stage		5		8			1	1				2	3	1
Housing 09	1 - Simplex 4010 ES - 1 stage		5		8			1	1				2	3	1
Housing 10	1 - Simplex 4010 - 1 stage	4			10			2	4				3		1
Housing 11	1 - Simplex 4010 - 1 stage	3			10			2	2				3		1

FRASER VALLEY INSTITUTION					
FIRE PROTECTION SYSTEMS - ASPECT # 2: Sprinkler systems/trees					
Component	Dry sprinkler system	Wet sprinkler system	Pre action system	flow valve (supy)	shut off/isolation valve
Device Type					
BUILDING	Qty	Qty	Qty	Qty	Qty
A	1	2	2	10	
B		3			1
D		1			1
E		4			
F	1	4			
G		1			
P		1			
Q		2			
R		4			
Housing 01		1			
Housing 02		1			
Housing 03		1			
Housing 04		1			
Housing 05		1			
Housing 06		1			
Housing 07		1			
Housing 08		1			
Housing 09		1			
Housing 10		2			
Housing 11		2			
TOTAL	2	35	2	10	2

FRASER VALLEY INSTITUTION**FIRE PROTECTION SYSTEMS - ASPECT # 3: Emergency Lighting**

BUILDING	Location	Make	Watts	# of remote heads
A	front office ar2	Ready-Lite	560	6
A	file vault ar54	Ready-Lite	720	12
A	mccp	Ready-Lite	360	2
A	elec rm	Ready-Lite	360	7
B	kitchen br18	Ready-Lite	360	8
B	pw office br9	Ready-Lite	360	6
B	elec rm	Beghelli	560	8
C	main by washroom	Ready-Lite	100	4
C	elec rm	Ready-Lite	100	5
D	rm 121	Ready-Lite	100	0
D	mech rm	Ready-Lite	200	3
E	elec rm-office/attics/mech	Ready-Lite	720	9
E	elec rm - east/west/wings	Ready-Lite	560	2
E	elec rm-south wing mech	Ready-Lite	560	8
F	lobby-in front of imo station	Ready-Lite	150	0
F	lobby-in front of imo station	Ready-Lite	150	0
F	lobby - imo station	Ready-Lite	150	0
F	case management	Ready-Lite	150	0
F	case management	Ready-Lite	150	0
F	case management	Ready-Lite	150	0
F	prog-chaplin fr-35	Ready-Lite	150	0
F	prog-elec rm fr-12	Ready-Lite	560	18
H	gen rm west wall	Luma-cell	150	0
J	by washroom	Luma-cell		3
J	kitchen	Luma-cell		2
K	by storage rm	Ready-Lite	100	3
K	elec rm	Ready-Lite	100	0

FRASER VALLEY INSTITUTION**FIRE PROTECTION SYSTEMS - ASPECT # 3: Emergency Lighting
CONTINUED**

BUILDING	Location	Make	Watts	# of remote heads
L	works -shop	Luma-cell	144	5
P	elec rm	Ready-Lite	200	5
Q	iss/mech/&fire	Ready-Lite	200	7
Q	office/upstairs	Ready-Lite	200	8
Q	garage &tools	Ready-Lite	200	6
R	external mech rm 112	Beghelli	150	5
R	2nd floor mech rm 212	Beghelli	150	5
R	external mech rm 150	Beghelli	150	3
R	main elec rm 137	Beghelli	360	7
R	main elec rm 137	Beghelli	200	5
R	main elec rm 137	Beghelli	200	3
House # 1	liv rm	Ready-Lite	36	0
House # 2	liv rm	Ready-Lite	36	0
House # 3	liv rm	Ready-Lite	36	0
House # 4	liv rm	Ready-Lite	36	0
House # 5	din rm	Stanpro	36	0
House # 6	din rm	Ready-Lite	36	0
House # 7	din rm	Ready-Lite	36	0
House # 8	din rm	Beghelli	36	0
House # 9	din rm	Ready-Lite	36	0
House # 10	Bed rm/hallways	Luma-cell	200	0
House # 10	Entrance/laundry	Luma-cell	200	3
House # 11	Bed rm/hallways	Luma-cell	200	3
House # 11	Entrance/laundry	Luma-cell	200	3
Total	51			174

FRASER VALLEY INSTITUTION			
FIRE PROTECTION SYSTEMS - ASPECT # 4: Fire Extinguishers/Exit lights on battery			
Type	ABC	K-guard	All exit lights on battery
BUILDING	Qty	Qty	None on site
A	9		0
B	5		0
C	2	1	0
D	4		0
E	6	1	0
F	9		0
G	4		0
H	2		0
I	1		0
J	5		0
K	3		0
L	2		0
P	5		0
Q	10		0
Q- spares	11		0
R	18		0
Housing 01	1		0
Housing 02	1		0
Housing 03	1		0
Housing 04	1		0
Housing 05	1		0
Housing 06	1		0
Housing 07	1		0
Housing 08	1		0
Housing 09	1		0
Housing 10	1		0
Housing 11	1		0
TOTAL	107	2	0

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FIRE PROTECTION SYSTEMS - ASPECT # 5: Fire Hydrants		
Equipment	Hydrant only	
Location on site	Make	Type
S/East of House 4	Canadian Valve	
West of Building F	Canadian Valve	
N/West of Building B	Canadian Valve	
East of Building D	Terminal City	
South of Building A	Terminal City	
East of Building Q	Terminal City	
West of Building R	??	
TOTAL	7	

FRASER VALLEY INSTITUTION			
FIRE PROTECTION SYSTEMS - ASPECT # 6: Back Flow Preventers			
	Domestic water	Fire	Confined space
BUILDING	Qty	Qty	YES or NO
A	1	1	No
B		1	No
E	1	1	No
F	1	1	No
G		1	No
J	1		No
P	2	1	No
Q	1	1	No
R	1	2	No
Housing 10		1	No
Housing 11		1	No
TOTAL	8	11	

FRASER VALLEY INSTITUTION	
FIRE PROTECTION SYSTEMS - ASPECT # 7: Standpipe/Hose Cabinet systems	
Hose material	Nylon/Rubber
BUILDING	QTY
E	1
Total	1

FRASER VALLEY INSTITUTION		
FIRE PROTECTION SYSTEMS - ASPECT # 8: Kitchen Sprinkler Suppression systems		
BUILDING	C	E
Make	Kidde	Ansul
Model	WHDR 600	R102
Actuation type	mechanical	mechanical
Number of cylinders	1	2
Number of nozzles	6	3
Number of fusible links	7	4
Size of cylinders	1 - 6 gallon	2 - 3 gallon