

MATSQUI INSTITUTION

APPENDIX C – Device list and Device Locations

MATSQUI INSTITUTION																		
FIRE PROTECTION SYSTEMS -Task 1.3.1 # 1: Fire alarm system/devices																		
Component	main alarm panel	manual pull station	manual pull station-2stage	smoke alarm	smoke detector	smoke detector	heat detector	heat detector RHT	excess pressure	pressure switch	pressure switch	flow switch	Supervisory device	horn	strobe	horn with strobe	bell	end of line resistor
Device Type					duct	photo/ion	fixed temp	rate of rise	pump run	low water	low air		other					
BUILDING	Make/Stage	Qty	Qty		Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty
A15	1- GE Edwards EST 3 - 1 stage	3						5						2				1
A16	1- GE Edwards EST 3 - 1 stage	2						3						1				1
A18	1- GE Edwards EST 3 - 1 stage	2						5						1				1
A20	1- GE Edwards EST 3 - 1 stage	3						5							2		2	
A21	1- Edwards EST 3 (node 28) - 2 stage		9		1	8		1				2		8		7		
M1a	1- GE Edwards EST 3 - 1 stage	3				3	4	2						2				4
M2a,b,c,d and M12	1- GE Edwards EST 3 - 2 stage	3	4	3	8	69	2	14				7	15	8	4			8
M2e1/2/3	1- GE Edwards EST 3 - 2 stage		1		12	22						3	7	6				
M2e4	1- GE Edwards EST 3 - 1 stage	3			9			4	1			3	7	3				1
M2T1	1- GE Edwards EST 3 - 1 stage	2										1	3	1				1
M3	1- GE Edwards EST 3 - 2 stage		3		9	362				1	1	6	7	19	3			3
M4 & M5	1- GE Edwards EST 3 - 1 stage	11			6	5		1		1	1	6	14	10			1	
M5c	1- GE Edwards EST 3 - 1 stage	3			3		1					1	5	6				2
M6 & M7	1- Edwards EST 3 - 1 stage	3			1							1	5	7	2			2
M8	1- GE Edwards EST 3 - 1 stage	16			1	1		2				2	9	13	4			
M9	1- GE Edwards EST 3 - 1 stage	2				1						3	6	1				1
M10	1- GE Edwards EST 3 - 1 stage	2				1				1		1	3	1				
M13	1- GE Edwards EST 3 - 1 stage	2					2	12						1				2
M15	1- Edwards EST (node 2) - 1 stage	8				9		3				4		9				3
M16	1- Edwards EST 3 (node 25) - 2 stage		7			124						12				28		3
TOTAL	20	68	24	3	50	605	9	57	1	3	2	52	77	99	15	35	3	33

MATSQUI INSTITUTION					
FIRE PROTECTION SYSTEMS - ASPECT # 2: Sprinkler systems/trees					
Component	Dry sprinkler system	Wet sprinkler system	water motor gong	sprinkler activation	flow valve (supy)
Device Type				other	
BUILDING	Qty	Qty	Qty	Qty	Qty
A21		2			5
M2a,b,c,d and M12		7	1		
M2e1/2/3		3			
M2e4		4			
M2T1		1			
M3	1	1			
M4 & M5	1	5	1		
M5c		1			
M6 & M7		1			
M8		2			
M9		1			
M10		1			
M14				3	
M15		4			6
M16		12			16
TOTAL	2	45	2	3	27

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

BUILDING	Location	Make	Watts	# of remote heads
M12	a&d	Ready-Lite	150	14
M1a	PE	Ready-Lite	75	8
M1a	Electrical room west	Lumacell	360	2
M2a	admin rm 125	Ready-Lite	36	2
M2a	admin rm 158	Ready-Lite	36	2
M2a	mccp	Ready-Lite	36	2
M2b	v&c west	Ready-Lite	36	2
M2b	v&c east	Ready-Lite	36	4
M2b	V & C	Ready-Lite	75	2
M2c	security post	Ready-Lite	36	2
M2c	by security post	Ready-Lite	36	2
M2c	by cell 13	Ready-Lite	36	2
M2c	by cell 20	Ready-Lite	36	2
M2c	trailer	Ready-Lite	36	4
M2d	closet	Ready-Lite	150	0
M2d	by cell 4	Ready-Lite	36	2
M2d	by cell 7	Ready-Lite	36	2
M2d	security post	Ready-Lite	36	2
M2e 123	reception	Ready-Lite	36	2
M2e 123	pharmacy	Ready-Lite	36	2
M2e 123	treatment rm	Ready-Lite	36	2
M3	1st floor control	Ready-Lite	36	2
M3	1st floor control	Ready-Lite	36	2
M3	1st floor control	Ready-Lite	36	2
M3	1st floor control	Ready-Lite	36	2

MATSQUI INSTITUTION**FIRE PROTECTION SYSTEMS - ASPECT # 3: Emergency Lighting**
CONTINUED 1

BUILDING	Location	Make	Watts	# of remote heads
M3	2nd floor control	Ready-Lite	36	2
M3	2nd floor control	Ready-Lite	36	2
M3	2nd floor control	Ready-Lite	36	2
M3	2nd floor control	Ready-Lite	36	2
M3	2nd floor control	Ready-Lite	36	2
M3	3rd floor control	Ready-Lite	36	2
M3	3rd floor control	Ready-Lite	36	2
M3	3rd floor control	Ready-Lite	36	2
M3	3rd floor control	Ready-Lite	36	2
M3	3rd floor control	Ready-Lite	36	2
M3	3 west	Ready-Lite	36	4
M3	3 south	Ready-Lite	36	4
M3	3 east	Ready-Lite	36	4
M3	3 north	Ready-Lite	36	4
M3	2 north	Lumacell	36	4
M3	2 east	Ready-Lite	36	4
M3	2 south	Ready-Lite	36	4
M3	1 west	Ready-Lite	36	4
M3	1 south	Ready-Lite	36	4
M3	1 east	Ready-Lite	36	4
M3	1 north	Ready-Lite	36	4
M3	2 west	Ready-Lite	36	4
M3	Electrical room 3rd floor	Ready-Lite	100	6

MATSQUI INSTITUTION**FIRE PROTECTION SYSTEMS - ASPECT # 3: Emergency Lighting**
CONTINUED 2

BUILDING	Location	Make	Watts	# of remote heads
M4	cook chill prod kitchen	Ready-Lite	36	10
M4	kitchen	Ready-Lite	36	8
M4	kitchen	Ready-Lite	36	8
M4	Kitchen by coolers	Lumacell	36	2
M4	Prod. Kitchen corridor	Lumacell	360	4
M4	Prod. Kitchen ration room	Lumacell	360	6
M4	Prod. Kitchen loading bay	Lumacell	360	8
M4	Prod. Kitchen mixing room	Lumacell	360	6
M5	gym east	Ready-Lite	36	2
M5	gym south	Ready-Lite	36	2
M5	gym south west	Ready-Lite	36	2
M5	gym north west	Ready-Lite	75	2
M5	gym west	Ready-Lite	36	2
M5	gym north east	Ready-Lite	75	2
M5	billard storage rm	Ready-Lite	150	4
M5	billard storage	Ready-Lite	150	6
M5b	programs lower	Ready-Lite	36	2
M5b	programs upper	Ready-Lite	36	2
M5b	programs stairs	Ready-Lite	36	2
M5b	Programs upper east	Ready-Lite	36	2
M5c	social d	Ready-Lite	36	2
M5c	hobby shop	Ready-Lite	36	2
M6-M7	mech rm	Ready-Lite	36	8
M6-M7	carpentry	Ready-Lite	36	2
M6-M7	facilities office	Ready-Lite	36	2

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

BUILDING	Location	Make	Watts	# of remote heads
M8	rm 108a	Ready-Lite	18	2
M8	by rm 111	Ready-Lite	18	2
M8	rm 111	Ready-Lite	36	2
M8	rm 123	Ready-Lite	36	2
M8	rm 109a	Ready-Lite	120	4
M8	rm 108a	Ready-Lite	36	2
M8	iss at back	Ready-Lite	36	2
M8	iss at back	Ready-Lite	36	2
M8	iss rm 120	Ready-Lite	36	2
M8	iss at front	Ready-Lite	36	2
M8	iss storage	Ready-Lite	36	2
M8	iss storage	Ready-Lite	36	2
M8	textiles	Ready-Lite	36	2
M8	Room 131 west entry	Ready-Lite	36	2
M8	Room 209	Ready-Lite	36	2
M12	a&d	Ready-Lite	150	14
M13	warden	Ready-Lite	75	5
A15	corcan storage	Emergi-lite	360	10
A18	corcan office trailer	Ready-Lite	150	8
A20	gen bldg north	Emergi-lite	360	2
A20	gen bldg south	Emergi-lite	360	4
A20	gen bldg east	Emergi-lite	360	4
A21	GO bldg	Emergi-lite	360	10
A21	GO bldg	Emergi-lite	360	6
A21	GO bldg	Emergi-lite	360	6
A21	GO bldg	Emergi-lite	360	8
A21	GO bldg	Emergi-lite	150	4
A21	GO bldg	Emergi-lite	360	8
Total	101			363

MATSQUI INSTITUTION			
FIRE PROTECTION SYSTEMS - ASPECT # 4: Fire Extinguishers/Exit lights on battery			
Type	ABC	K-guard	All exit lights on battery
BUILDING	Qty	Qty	Qty
A15	3		2
A16	5		
A20	4		
A21	6		20
M1a	6		
M2a	10		
M2b	5		3
M2c	5		
M2T1			2
M2d	4		
M2e1/2/3	11		
M2e4	3		
M3	7		
M4	5	2	4
M5	4		
M5b	4		2
M5c	8		
M6	3		
M7	12		
M8	35		
M9	2		
M10	2		1
M12	3		
M13	3		2
M14	3		
M15	10		10
M16	4		5
MT3	1		
P1-P7	6		
P9	1		
TOTAL	175	2	51

MATSQUI INSTITUTION		
FIRE PROTECTION SYSTEMS - ASPECT # 5: Fire Hydrants		
Equipment	Hydrant only	
Location on site	Make	Type
outside west fence M16 (#11)	Brigadier Clow	
west corner of M16 (#10)	Brigadier Clow	
south end of M16 (#9)	Brigadier Clow	
north corner of M3 (#8)	City Iron	TC C71P
west corner of M3 (#12)	City Iron	TC C71P
outside west fence of M3 (#21)	Brigadier Clow	
north side of M15 (#14)	City Iron	TC C71P
50 metres west of M13 (#18)	City Iron	TC C71P
north side of M5 gym (#7)	Century Meuller	
south side between M5 and M4 (#15)	City Iron	TC C71P
north east corner of M2e123 (#6)	City Iron	TC C71P
south side of M9 (#16)	City Iron	TC C71P
south side of M2C (#17)	TC Terminal City Iron Works	
west side of M2e4 (#5)	Century Meuller	
between M2e4 and M8 (#4)	Century Meuller	
south east corner of M8 (#3)	City Iron	TC C71P
north corner of M6 (#1)	City Iron	TC C71P
south corner of M7 (#2)	City Iron	TC C71P
east side of A21 (#19)	Brigadier Clow	
west side of A16 (#20)	Brigadier Clow	
South Side M3 (#13)	Brigadier Clow	
East Side A21 (#22)	Brigadier Clow	
TOTAL	22	

MATSQUI INSTITUTION			
FIRE PROTECTION SYSTEMS - ASPECT # 6: Back Flow Preventers			
	Domestic water	Fire	Confined space
BUILDING	Qty	Qty	YES or NO
A21	2	1	No
M2a		1	No
M2c		1	No
M2e1/2/3		1	No
M2e4		1	No
M2T1		1	No
M4	5	1	No
M5b		1	No
M5c		2	No
M7	1		No
M8	1	1	No
M10		1	No
M15	2	1	No
M16	1	1	No
In ground hot box next to domestic water service bldg-king rd.		1	No
Domestic water service bldg-king rd.	1		YES
Sewage lift station	1		No
New Tower	1		No
TOTAL	15	15	

MATSQUI INSTITUTION		
FIRE PROTECTION SYSTEMS - ASPECT # 7: Standpipe/Hose Cabinet systems		
Hose material	Canvass	Nylon/Rubber
BUILDING	QTY	QTY
A21	1	
M1a	1	
M2a	3	
M2c	1	
M2e1/2/3	4	
M2e4	2	
M3	12	3
M4	1	
M5	1	
M5b	2	
M5c	2	
M12	1	
M16	2	
TOTAL	33	3

Note: all hoses replaced 2015

MATSQUI INSTITUTION		
FIRE PROTECTION SYSTEMS - ASPECT # 8: Kitchen Sprinkler Suppression systems		
BUILDING	M4 - rm 180 (production kitchen)	M4 - rm 53 (population kitchen)
Make	Badger	Badger
Model	RG6 UCH	RG4 GMXV
Actuation type	CO2 Cartridge	CO2 Cartridge
Number of cylinders	1	3
Number of nozzles	10	23
Number of fusible links	4	0
Size of cylinders	6 Gallon	4 gallon