


SYSTEM INPUTS	CONTROL UNIT ACTIVATION								SYSTEM OUTPUTS								REQUIRED FIRE SAFETY CONTROL					
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P		Q	U	V	W	X
1 MANUAL FIRE ALARM PULL STATION	●	●					●	●	●		●			●			●		●	●	●	1
2 AREA SMOKE DETECTOR	●	●					●	●	●		●			●			●		●	●	●	2
3 AREA HEAT DETECTOR	●	●					●	●	●		●			●			●		●	●	●	3
4 FIRE PUMP SIGNAL			●	●			●	●				●										4
5 SPRINKLER WATERFLOW	●	●					●	●	●		●			●			●		●	●	●	5
6 SPRINKLER TAMPER VALVE			●	●			●	●				●										6
7 FIRE ALARM AC POWER FAILURE					●	●	●	●					●									7
8 FIRE ALARM SYSTEM LOW BATTERY					●	●	●	●					●									8
9 OPEN CIRCUIT					●	●	●	●					●									9
10 GROUND FAULT					●	●	●	●					●									10
11 NOTIFICATION APPLIANCE CIRCUIT SHORT					●	●	●	●	●	●	●		●									11
12 ELEVATOR LOBBY SMOKE DETECTOR - PRIMARY FLOOR	●	●					●	●	●	●	●			●		●	●		●	●	●	12
13 ELEVATOR LOBBY SMOKE DETECTOR - ALTERNATE FLOOR	●	●					●	●	●		●			●	●		●		●	●	●	13
14 ELEVATOR SMOKE DETECTOR	●	●					●	●	●		●				●		●		●	●	●	14
15 ELEVATOR HEAT DETECTOR	●	●					●	●			●						●	●	●	●	●	15
15 PRE-ACTION ALARM	●	●					●	●	●		●				●		●		●	●	●	16
15 PRE-ACTION TROUBLE					●	●	●	●					●									17
15 PRE-ACTION SUPERVISORY			●	●			●	●				●										18
15 FIRE SUPPRESSION ALARM	●	●					●	●	●		●				●				●		●	19
15 FIRE SUPPRESSION TROUBLE					●	●	●	●					●									20
15 FIRE SUPPRESSION SUPERVISORY			●	●			●	●				●										21

REVISION 0	SUBMITTAL	DATE: 12/20/2015
CAUSE AND EFFECT MATRIX		
PROJECT NAME	PARK DANFORTH 777 STEVENS AVENUE PORTLAND, MAINE 04103	SCALE NONE
		BY: JRS
		CK BY:
 Prepared For Tomorrow, Delivered Today 2257 BROADWAY, So PORTLAND, MAINE		SAVED AS: