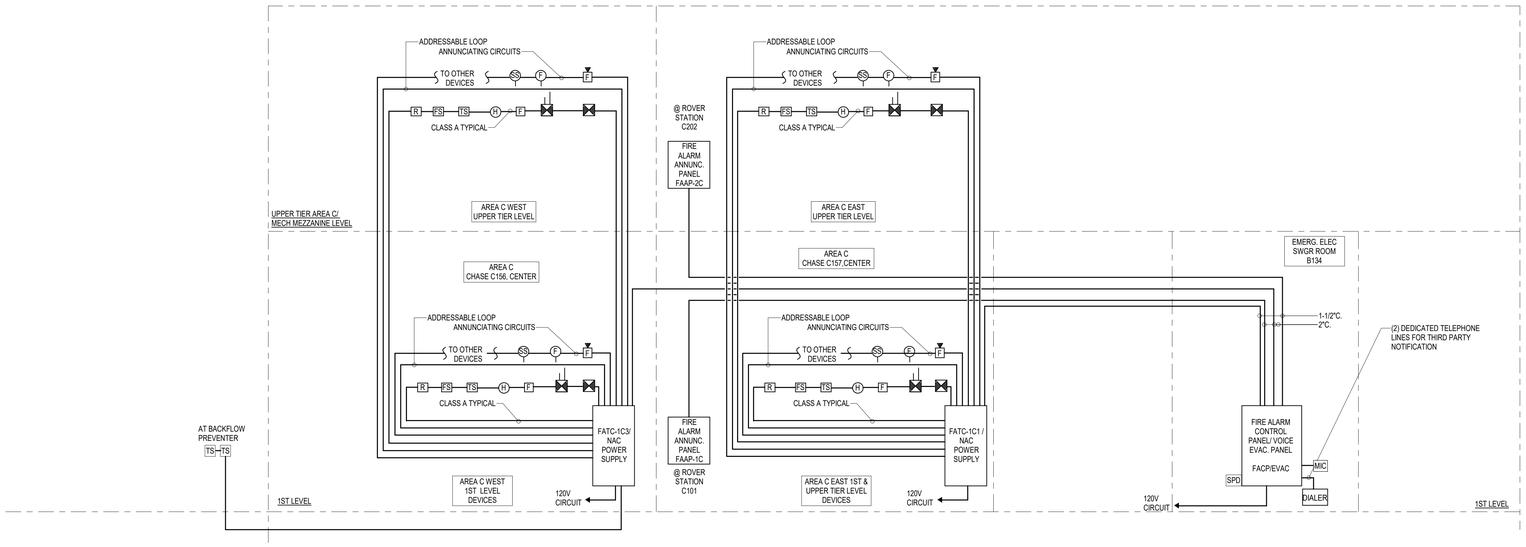

2 FIRE ALARM RISER DIAGRAM

Scale: NTS

FIRE ALARM MATRIX NOTES:

1. FIRE ALARM ZONES SHALL MATCH SPRINKLER ZONES. REFERENCE SHEETS FIRE PROTECTION PLANS FOR SPRINKLER ZONES.
2. REFERENCE SHEET E-702 FOR SMOKE CONTROL SYSTEM ZONES.

		CONTROL UNIT ANNUNCIATION															NOTIFICATION			FIRE SAFETY CONTROL					SMOKE CONTROL					FIREFIGHTER'S SMOKE CONTROL PANEL ANNUNCIATION							
		DISPLAY CHANGE OF STATUS AT FACP	ACTIVATE ALARM SIGNAL INDICATOR AT FACP & FAAP'S	ACTIVATE AUDIBLE ALARM SIGNAL AT FACP	ACTIVATE SUPERVISORY SIGNAL INDICATOR AT FACP	ACTIVATE AUDIBLE SUPERVISORY SIGNAL AT FACP	ACTIVATE TROUBLE SIGNAL INDICATOR AT FACP	ACTIVATE AUDIBLE TROUBLE SIGNAL AT FACP	ACTIVATE MONITOR SIGNAL INDICATOR AT FACP	ACTIVATE AUDIBLE MONITOR SIGNAL AT FACP	TRANSMIT FIRE ALARM SIGNAL AT FACP	TRANSMIT SUPERVISORY SIGNAL TO SUPERVISING STATION	ACTIVATE VISUAL NOTIFICATION DEVICES FOR ZONE IN ALARM	ACTIVATE AUDIBLE NOTIFICATION DEVICES FOR ZONE IN ALARM	SHUT DOWN ASSOCIATED AIR HANDLING UNITS	CLOSE ASSOCIATED AHU DAMPER(S)	SHUT DOWN AND SERVING SMOKE CONTROL ZONE BOUNDARY	CLOSE SMOKE DAMPERS THAT ARE NOT PART OF SMOKE CONTROL SYSTEM IN SMOKE CONTROL ZONE BOUNDARY	CLOSE SMOKE DAMPERS NOT PART OF SMOKE CONTROL SYSTEM IN SMOKE CONTROL ZONE BOUNDARY	CONTROL ELEVATORS TO SPECIFIC FLOOR	CONTROL ELEVATORS TO SPECIFIC FLOOR	CLOSE SMOKE DAMPERS AND START SMOKE EXHAUST & SUPPLY FANS IN SMOKE CONTROL ZONE IN ALARM	EXECUTE MANUAL SMOKE CONTROL COMMANDS	ILLUMINATE GREEN LAMP AND TURN OFF RED LAMP	ILLUMINATE RED LAMP AND TURN OFF GREEN LAMP	ILLUMINATE WHITE LAMP AND TURN OFF YELLOW LAMP (IF NO FAULT)	ILLUMINATE YELLOW LAMP								
	SYSTEM INPUTS	A	B	C	D	E	F	H	I	J	K	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	BB	CC							
1	MANUAL FIRE ALARM PULL STATIONS	●	●	●									●	●																							1
2	AREA SMOKE DETECTORS (EXCEPT IN SMOKE CONTROL ZONES)	●	●	●									●	●		●	●																				2
3	DUCT SMOKE DETECTORS	●	●	●												●	●																				3
4	SPRINKLER WATERFLOW SWITCH (EXCEPT IN SMOKE CONTROL ZONES)	●	●	●									●	●																							4
5	SPRINKLER WATERFLOW SWITCH WITHIN SMOKE CONTROL ZONE BOUNDARY			●									●	●						●	●	●	●	●													5
6	SPRINKLER TAMPER SWITCH	●			●	●																															6
7	FACP AC POWER FAILURE	●			●	●																															7
8	FACP LOW BATTERY	●			●	●																															8
9	FACP OPEN CIRCUIT	●			●	●																															9
10	FACP GROUND FAULT	●			●	●																															10
11	FACP NOTIFICATION APPLIANCE CIRCUIT SHORT	●			●	●																															11
12	SMOKE CONTROL EXHAUST OR SUPPLY FAN RUNNING																								●												12
13	SMOKE CONTROL EXHAUST OR SUPPLY FAN NOT RUNNING (STOPPED)																										●										13
14	SMOKE CONTROL EXHAUST OR SUPPLY FAN DISCONNECT SWITCH OPEN POSITION				●	●																								●	●						14
15	SMOKE CONTROL EXHAUST OR SUPPLY FAN POWER FAILURE				●	●																															15
16	SMOKE CONTROL SYSTEM SMOKE DAMPER OPEN																																				16
17	SMOKE CONTROL SYSTEM SMOKE DAMPER CLOSED																																				17
18	SMOKE CONTROL SYSTEM SMOKE DAMPER POWER FAILURE				●	●																							●	●							18
19	SMOKE CONTROL SYSTEM SMOKE DAMPER FAULT				●	●																							●	●							19
20	SMOKE CONTROL EXAUST OR SUPPLY FAN SWITCH IN ON POSITION						●	●																	●				●								20
21	SMOKE CONTROL EXAUST OR SUPPLY FAN SWITCH IN OFF POSITION						●	●																	●				●								21
22	SMOKE CONTROL SYSTEM SMOKE DAMPER FAN SWITCH OPEN POSITION						●	●																	●				●								22
23	SMOKE CONTROL SYSTEM SMOKE DAMPER FAN SWITCH CLOSED POSITION						●	●																	●				●								23
24	SMOKE CONTROL EXHAUST OR SUPPLY FAN IN AUTO POSITION																								●			●									24
25	SMOKE CONTROL SYSTEM DAMPER IN AUTO POSITION																								●			●									25
26	AREA SMOKE DETECTORS IN SMOKE CONTROL ZONE BOUNDARY	●	●	●									●	●						●	●	●	●	●													26
27	FAILURE OF ANY VOICE EVACUATION AUDIO AMPLIFIER	●			●	●																															27
		A	B	C	D	E	F	H	I	J	K	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	BB	CC							

1 FIRE ALARM MATRIX

Scale: NTS

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Wayne E Allred

Digitally signed by Wayne E Allred
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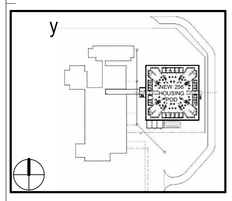
Date: 2020-07-24 13:35:46-04'00'



SCALE NTS

No.	Description	Date
	ISSUED FOR PERMIT	7-24-20

REVISIONS

DRAWN BY	O DORIA
APPROVED BY	W ALLRED
CHECKED BY	L WOLFE
DATE	JULY 24, 2020

TITLE

FIRE ALARM RISER DIAGRAM, MATRIX

PROJECT NO. 50101397

E-004

SHEET NO.

DESTROY AFTER USE