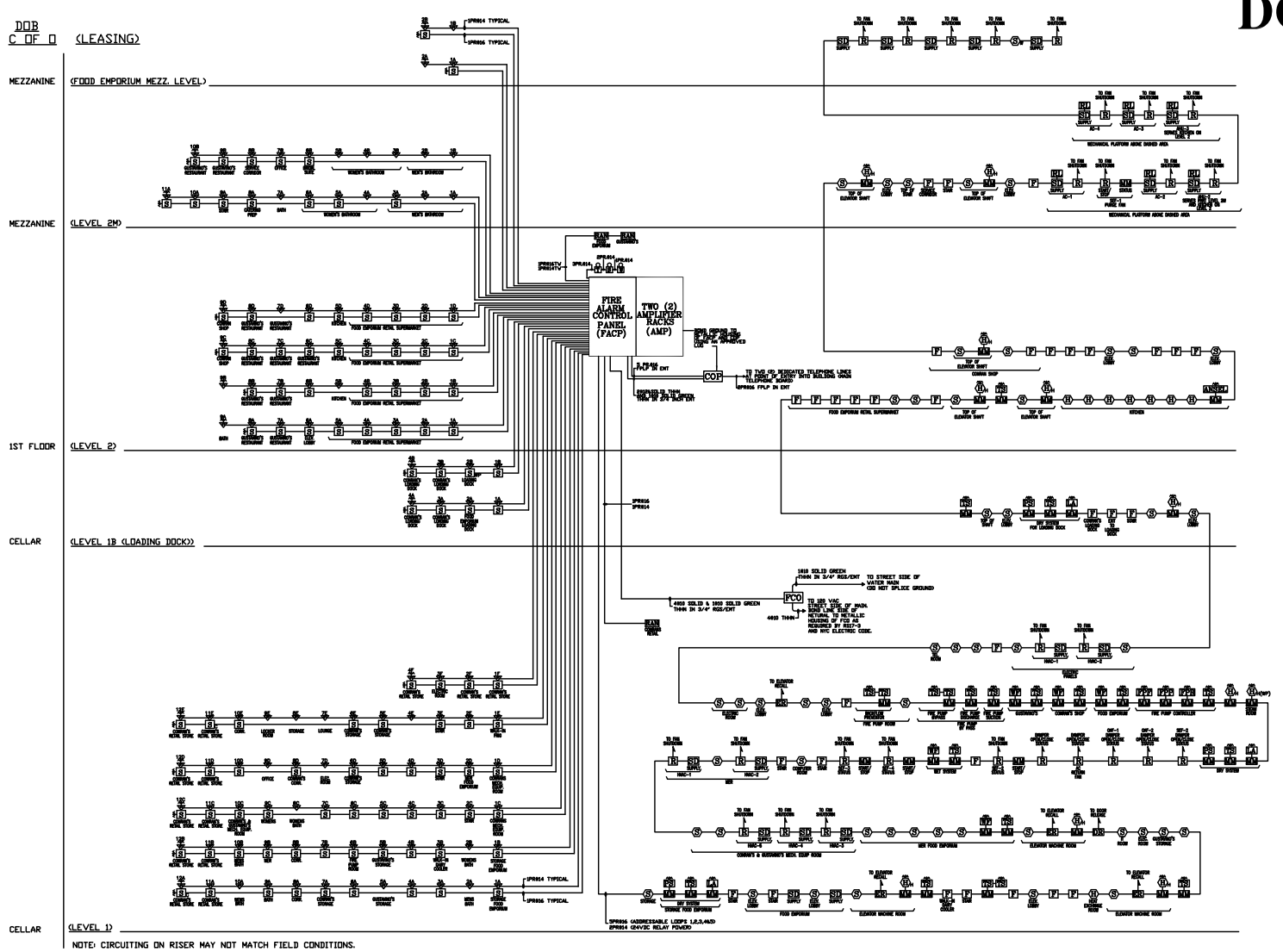
SYSTEM OUTPUTS / INDICATING/CONTROLLED DEVICES / SYSTEM INPUTS / INITIATING DEVICES	CONTROL UNIT ANNUNCIATION						NOTIFICATION										REQUIRED FIRE SAFETY CONTROL
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
	ACTUE COMMON ALARM SIGNAL INDICATOR ON FIRE ALARM CONTROL PANEL & OUTLINE ANNUNCIATORS.	ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR ON FIRE ALARM CONTROL PANEL & OUTLINE ANNUNCIATORS.	ACTUATE COMMON TROUBLE SIGNAL INDICATOR ON FIRE ALARM CONTROL PANEL & OUTLINE ANNUNCIATORS.	SOUND INTERNAL BUZZER AT FIRE ALARM CONTROL PANEL & OUTLINE ANNUNCIATORS.	TOUT MESSAGE DISPLAY AT FIRE ALARM CONTROL PANEL & OUTLINE ANNUNCIATORS.		SOUND FIVE ROUND OF A DISTINCTIVE CODE SIGNAL WITH AUTO ACTUATION OF ALL (U-1 CODE-2 FOR WATERFLOW)		TRANSMIT SIGNAL "ALARM" SIGNAL TO CENTRAL STATION VIA TELEPHONE COMMUNICATION LINES.	TRANSMIT "SMOKE" ALARM SIGNAL TO CENTRAL STATION VIA TELEPHONE COMMUNICATION LINES.	TRANSMIT "WATERFLOW" ALARM SIGNAL TO CENTRAL STATION VIA TELEPHONE COMMUNICATION LINES.	TRANSMIT "SUPERVISORY" SIGNAL TO CENTRAL STATION VIA TELEPHONE COMMUNICATION LINES.	TRANSMIT "TROUBLE" SIGNAL TO CENTRAL STATION VIA TELEPHONE COMMUNICATION LINES.	TRANSMIT "FIRE ALARM" RUNNING" SIGNAL TO CENTRAL STATION VIA TELEPHONE COMMUNICATION LINES.	ACTUATE THE OUTLINE RELAYS UNDER SEPARATE CONTROL FOR DAMPER AND FLOOR CLOSE OF ALARM FLOOR. ELEVATORS TO MAIN EXIT LOBBY	SOUND PA ALARM OR PRERECORDED VOICE MESSAGE (AS APPLICABLE)
1 MANUAL STATION	●			●	●		●	●							●		●
2 DUCT SMOKE DETECTOR	●			●	●		●		●						●		●
3 AREA SMOKE DETECTOR/	●			●	●		●		●						●		●
4 HEAT DETECTOR	●			●	●		●		●						●		●
5 ELEVATOR LOBBY, ELEVATOR MACHINE ROOM AND TOP OF ELEVATOR SHAFT DETECTORS	●			●	●		●		●						●	●	●
6 WATERFLOW SWITCH	●			●	●		●			●					●	●	●
7 SPRINKLER CONTROL VALVE/ TAMPER SWITCH		●		●	●		●				●						●
8 TOP OF STAIR SMOKE DETECTORS	●			●	●				●						●		●
9 FIRE ALARM AC POWER FAILURE		●		●	●							●					
10 FIRE ALARM SYSTEM LOW BATTERY			●	●	●							●					
11 OPEN CIRCUIT			●	●	●							●					
12 GROUND CIRCUIT			●	●	●							●					
13 NOTIFICATION APPLIANCE CIRCUIT SHORT			●	●	●							●					

FUNCTIONALITY STATEMENT

I _____, TITLE, _____.
LICENSE#_____, CERTIFY THAT THE FIRE ALARM SYSTEM FILED UNDER PW1 #_____ HAS BEEN INSTALLED AS PER APPROVED PLANS, TESTED AND OPERATES AS DESIGNED AND IN ACCORDANCE WITH THE INPUT/OUTPUT PROGRAMMING MATRIX

_____
SIGNATURE
DATE:

FIRE ALARM AS-BUILT RISER DIAGRAM
DOB APPLICATION # _____



EQUIPMENT LEGEND	
SYMBOL	DESCRIPTION
FACP	FIRE ALARM CONTROL PANEL
AMP	AMPLIFIER RACK
RAN	REMOTE ANNUNCIATOR PANEL
T	6 INCH TROUBLE BELL
S	8 INCH SMOKE ALARM BELL
W	10 INCH WATERFLOW ALARM BELL
S	ADDRESSABLE SMOKE DETECTOR WITH BASE IONIZATION TYPE IN ELEVATOR LOBBY, TOP OF SHAFT, ELEVATOR MACHINE ROOM AND PHOTOELECTRIC TYPE IN ALL OTHER AREAS
H	ADDRESSABLE 135 DEGREE FIXED HEAT DETECTOR
H	194 DEGREE FIXED CONVENTIONAL HEAT DETECTOR
F	ADDRESSABLE DUAL ACTION MANUAL PULL STATION
W S	WALL MOUNTED COMBINATION SPEAKER/ 15/75 CANDELA STROBE
W	ADA COMPLIANT 15/75 CANDELA STROBE LIGHT
SD	ADDRESSABLE PHOTOELECTRIC DUCT SMOKE DETECTOR WITH SAMPLING TUBES AND DUCT HOUSING
RL	REMOTE ALARM LAMP
R	ADDRESSABLE CONTROL MODULE WITH SEPARATE CONVENTIONAL 24VDC 10 AMP DPDT INTERPOSING RELAY IN RED ENCLOSURE FOR FAN SHUTDOWN OR DAMPER CONTROL
MM	ADDRESSABLE MONITOR MODULE
TS	TAMPER SWITCH
WF	WATERFLOW SWITCH
PS	PRESSURE SWITCH
LA	LOW AIR SWITCH
DR	ADDRESSABLE CONTROL MODULE WITH SEPARATE 24VDC 10 AMP DPDT INTERPOSING RELAY IN RED ENCLOSURE FOR DOOR RELEASE
ER	ADDRESSABLE CONTROL MODULE WITH SEPARATE 24VDC 10 AMP DPDT INTERPOSING RELAY IN RED ENCLOSURE FOR ELEVATOR RECALL
ANSEL	KITCHEN ANSEL SYSTEM
	END OF LINE DEVICE
FCO	FUSE CUT-OUT PANEL (SEE DETAIL)
COP	CENTRAL OFFICE TRANSMITTER PANEL
W	WALL MOUNTED
C	CEILING MOUNTED
WP	WEATHER PROOF

REV	DESCRIPTION	DATE

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BUILDING DEPARTMENT NOTE:

THESE PLANS ARE APPROVED ONLY FOR THE WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

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DRAWING TITLE:

RISER DIAGRAM AND I/O MATRIX

PROJECT:

DATE :

PROJECT NUMBER :

SEAL: