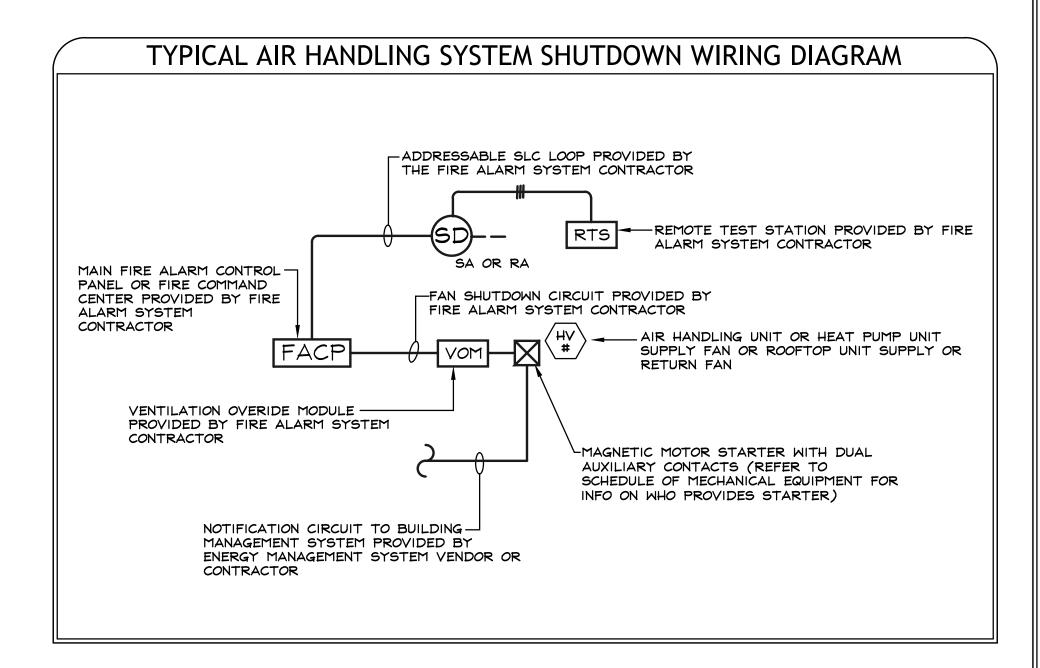
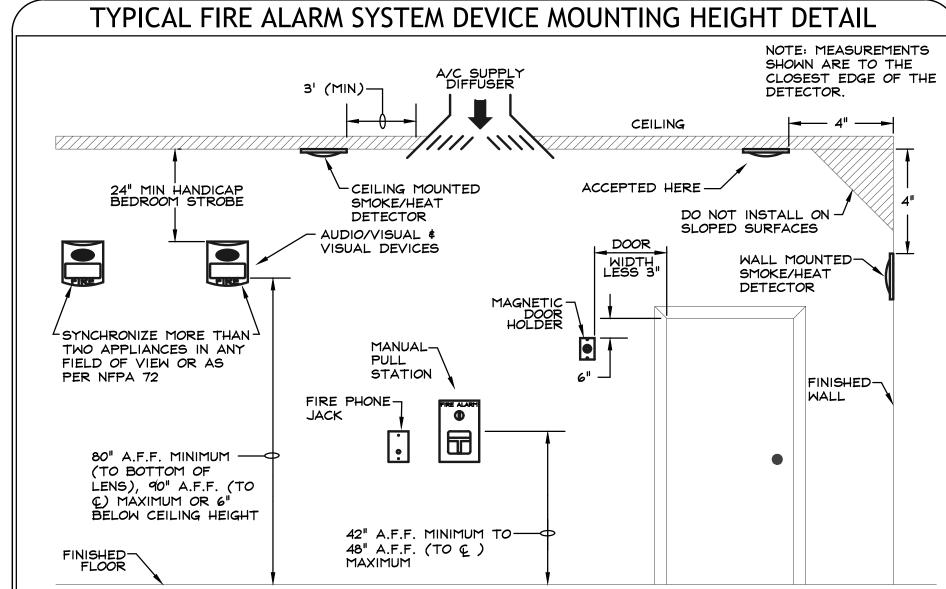
#### FIRE ALARM SEQUENCE OF OPERATIONS

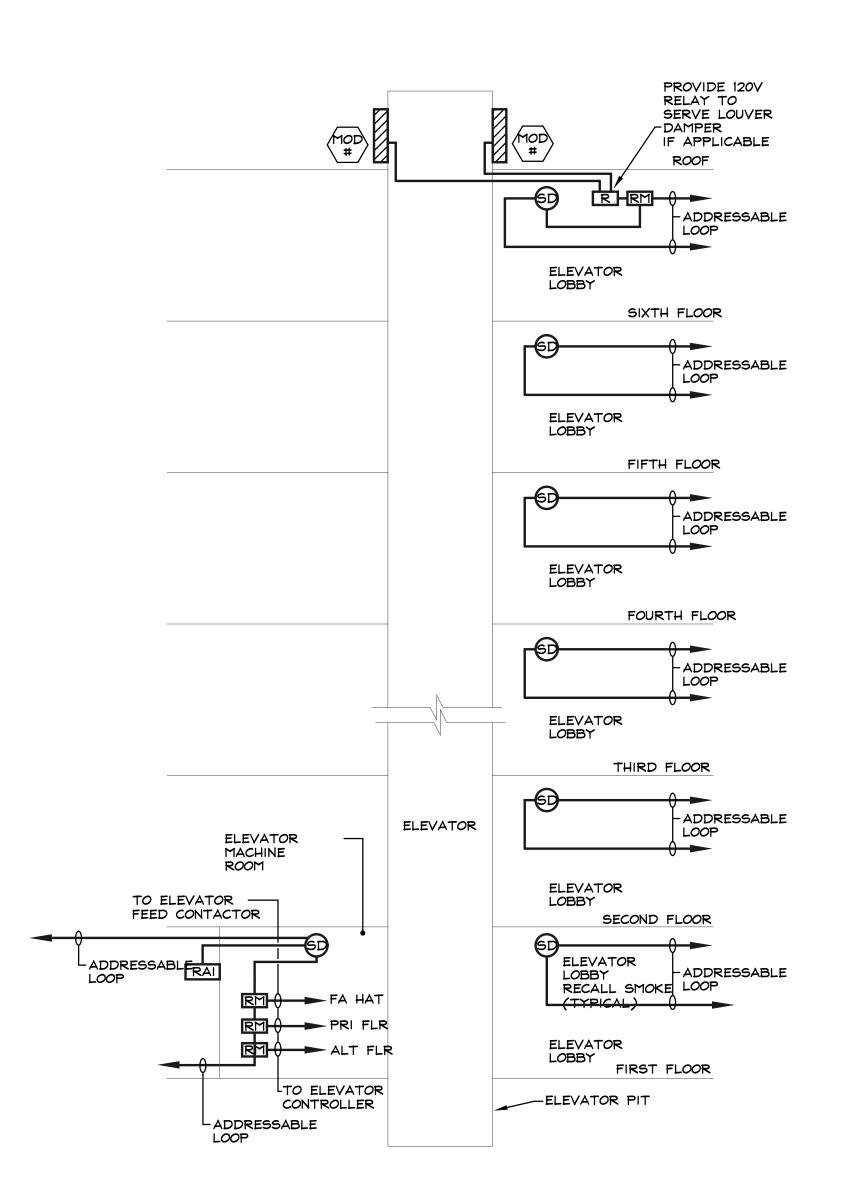
NOTE: THE SCOPE OF WORK FOR THIS PROJECT INVOLVES A NEW ADDRESSABLE FIRE ALARM SYSTEM FOR THE NEW HOTEL BUILDING.

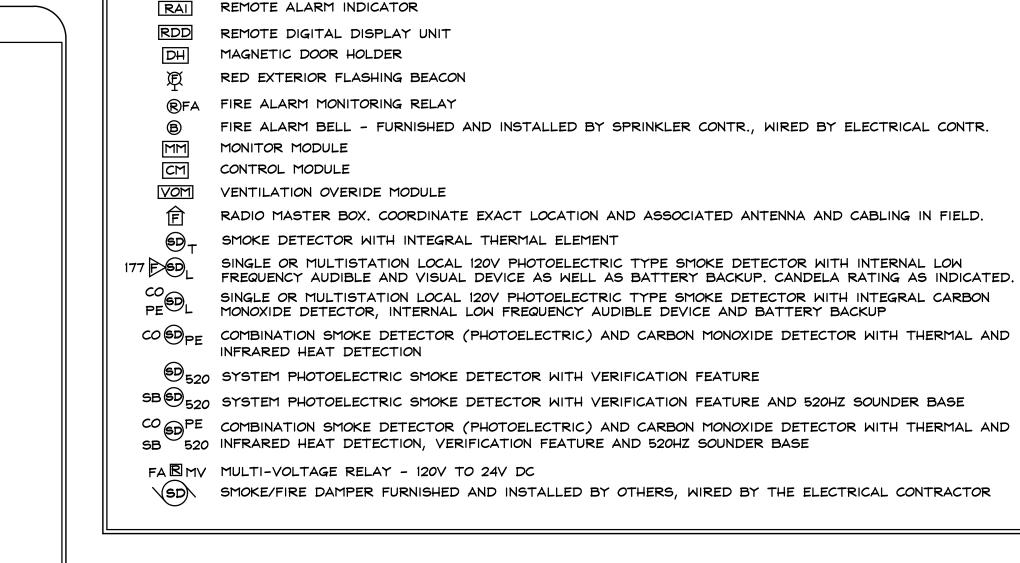
- THE SYSTEM ALARM OPERATION, SUBSEQUENT TO THE ALARM ACTIVATION OF ANY MANUAL STATION, ADDRESSABLE COMMON AREA SMOKE DETECTOR, SPRINKLER WATER FLOW SWITCH DUCT SMOKE DETECTOR OR OTHER INITIATING DEVICE IS AS FOLLOWS (EC TO CONFIRM DUCT SMOKE SIGNAL PROGRAMMING REQUIREMENTS WITH PORTLAND FIRE PREVENTION):
- a. THE UL CENTRAL MONITORING STATION WILL RECEIVE ALL GENERAL ALARM SIGNALS AND NOTIFY THE PORTLAND FIRE DEPARTMENT AND OWNER REPRESENTATIVE OF THE GENERAL ALARM SIGNAL.
- b. ANNUNCIATE THE ALARM AT THE FIRE ALARM CONTROL PANEL.
- c. ACTIVATE THE TEMPORAL 3 EVACUATION ON AUDIO/VISUAL DEVICES
- d. TEMPORAL 3 PATTERN SHALL SOUND UNTIL SIGNAL SILENCE IS ACTIVATED AT THE CONTROL PANEL.
- e. THE VISUAL DEVICES SHALL BE ON UNTIL SIGNAL SILENCE IS ACTIVATED AT THE CONTROL PANEL.
- f. RELEASE ALL DOOR HOLDERS TO CLOSE THE FIRE DOORS.
- g. ACTIVATE EXTERIOR BEACON.
- 2. ANY ELEVATOR LOBBY SMOKE DETECTOR AND/OR ELEVATOR MACHINE ROOM SMOKE DETECTOR WILL, IN ADDITION TO THE ABOVE, RECALL THE ELEVATORS AS FOLLOWS:
- a. IF THE DETECTOR IN ALARM IS LOCATED ON ANY FLOOR OTHER THAN THE MAIN LEVEL OF EGRESS, THE ELEVATORS WILL BE RECALLED TO THE MAIN LEVEL OF EGRESS.
- b. IF THE DETECTOR IN ALARM IS LOCATED ON THE MAIN LEVEL OF EGRESS, THE ELEVATORS WILL BE RECALLED TO THE ALTERNATE RECALL FLOOR AS PRE-DETERMINED BY THE PORTLAND FIRE DEPARTMENT.
- ALL LOCAL ADDRESSABLE SYSTEM SMOKE DETECTORS SHALL HAVE A INTEGRAL 24V SOUNDER BASE THAT WILL SOUND IN THE UNIT WITH A TEMPORAL 3 PATTERN ON GENERAL ALARM.
- IN HEARING IMPAIRED UNITS STROBES WILL ALSO IDENTIFY TO H.I. RESIDENCE SYSTEM GENERAL ALARM.
- 3. THE ACTIVATION OF ANY STANDPIPE WATER FLOW OR SPRINKLER TAMPER SWITCH, DUCT SMOKE DETECTOR AND/OR COMMON AREA CARBON MONOXIDE DETECTOR WILL CAUSE THE FOLLOWING ACTIONS TO TAKE PLACE:
- a. THE UL CENTRAL MONITORING STATION WILL RECEIVE ALL SIGNALS AND NOTIFY THE OWNER REPRESENTATIVE OF THE SIGNAL. AND THE PORTLAND FIRE DEPARTMENT OF GENERAL ALARM AND POSSIBLY MAY WANT TO RECEIVE THE SUPERVISORY SIGNAL. EC TO CONFIRM PRIOR TO PROGRAMMING.
- b. A SUPERVISORY PIEZO ON THE PANEL WILL SOUND AND THE SUPERVISORY LED WILL LIGHT. THE PIEZO CAN BE SILENCED BY PRESSING THE SUPERVISORY SERVICE ACKNOWLEDGE KEY WHILE MAINTAINING THE SUPERVISORY LED ON. RESTORING THE DEVICE TO THE NORMAL POSITION SHALL CAUSE THE SUPERVISORY PIEZO TO PULSE TO INDICATE THE RETURN TO THE NORMAL POSITION. PRESSING THE SUPERVISORY SERVICE ACKNOWLEDGE KEY WILL SILENCE THE PIEZO.
- c. LOCAL SYSTEM CARBON MONOXIDE DETECTORS SHALL SOUND IN THE UNITS VIA THE 24V SOUNDER BASE INTEGRAL TO THE DEVICE IN A TEMPORAL 4 PATTERN. THE HEARING IMPAIRED UNITS SHALL HAVE A STROBE TO INDICATE TO THE RESIDENTS OF THE CARBON DETECTOR INITIATION. GUEST BATH STROBES SHALL BE 15cd, CLEAR LENS, LABELED. TYPICAL FOR ALL H.I. ROOMS. GUESTROOM STROBES SHALL BE CLEAR LENS, LABELED. 177cd IF LOCATED WITHIN 24" OF CEILING. TYPICAL FOR ALL H.I. ROOMS.
- 4. ACTIVATION OF A TROUBLE SIGNAL SUCH AS AN OPEN CIRCUIT, POWER LOSS OR GROUND WILL:
- a. THE UL CENTRAL MONITORING STATION WILL RECEIVE ALL TROUBLE SIGNALS AND NOTIFY THE OWNER REPRESENTATIVE OF THE TROUBLE SIGNAL, THE PORTLAND FIRE DEPARTMENT MAY WANT TO RECEIVE THE TROUBLE SIGNAL. EC TO CONFIRM PRIOR TO PROGRAMMING.
- b. DISPLAY THE LOCATION OF THE DEVICE ON LED DISPLAYS OR DESCRIPTION OF TROUBLE CONDITION.
- c. A/V AUDIBLE TONE FROM THE PANEL WILL SOUND AND WILL NEED TO BE ACKNOWLEDGED TO CLEAR.





TYPICAL ELEVATOR RECALL WIRING DIAGRAM





FIRE ALARM LEGEND

HORN/STROBE UNIT - M.H. 80" AFF OR 6" BELOW CEILING - CANDELA RATING AS INDICATED

SINGLE OR MULTISTATION LOCAL 120V PHOTOELECTRIC TYPE WALL MOUNTED SMOKE DETECTOR

SINGLE OR MULTISTATION LOCAL 120V PHOTOELECTRIC TYPE SMOKE DETECTOR WITH INTERNAL LOW

SINGLE OR MULTISTATION LOCAL 120V CARBON MONOXIDE DETECTOR WITH INTERNAL LOW FREQUENCY

DUCT MOUNTED CO2 DETECTOR - COORDINATE INSTALLATION, FURNISHED \$ WIRED BY ELECT. CONTR.

WATER FLOW SWITCH - FURNISHED AND INSTALLED BY SPRINKLER CONTR., WIRED BY ELECTRICAL CONTR.

TAMPER (SUPERVISORY) SWITCH - FURN. \$ INSTALLED BY SPRINKLER CONTR., WIRED BY ELEC. CONTR.

PRESSURE SWITCH - FURNISHED AND INSTALLED BY SPRINKLER CONTR., WIRED BY ELECTRICAL CONTR.

TAMPER SWITCH - POST INDICATOR VALVE - FURNISHED \$ INSTALLED BY SPRINKLER CONTRACTOR,

SA(SD) DUCT MOUNTED SMOKE DETECTOR - INSTALLED BY HVAC CONTR., FURNISHED # WIRED BY ELECT. CONTR.

STROBE UNIT - M.H. 80" A.F.F. OR 6" BELOW CEILING - CANDELA RATINGS AS INDICATED

FIRE ALARM 520HZ SOUNDER - M.H. 80" AFF OR 6" BELOW CEILING

HEAT DETECTOR - COMBINATION TYPE - "DC" INDICATES DUAL CONTACTS

WITH INTERNAL LOW FREQUENCY AUDIBLE DEVICE AND BATTERY BACKUP

REMOTE INDICATING AND TESTING STATION WITH LED INDICATING LIGHT

MANUAL PULL STATION - M.H. 48" TO C A.F.F. - "S" INDICATES MANUAL STATION WITH STOPPER COVER

FACP FIRE ALARM CONTROL PANEL

EB

AUDIO/VISUAL POWER SUPPLY

KEY KEEPER - LOCK BOX - 10 KEY CAPACITY

HEAT DETECTOR - FIXED TEMPERATURE TYPE

WALL MOUNTED SMOKE DETECTOR

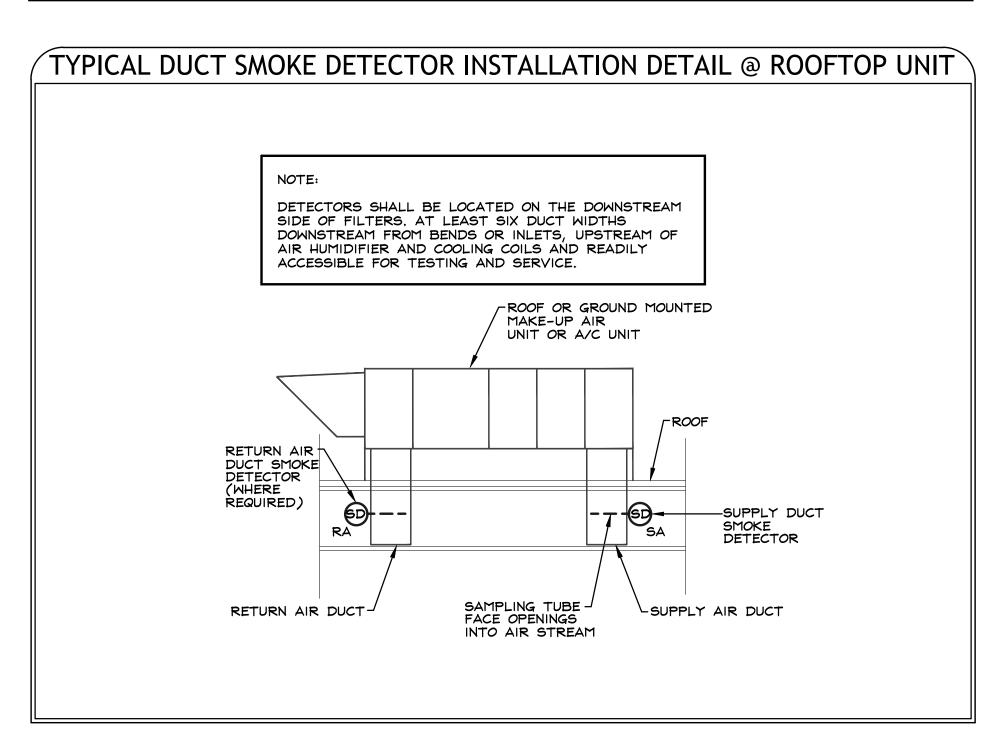
STANDBY BATTERY UNIT

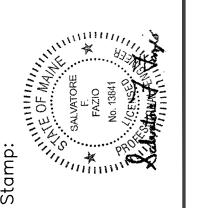
SMOKE DETECTOR - "DC" INDICATES DUAL CONTACTS

FREQUENCY AUDIBLE DEVICE AND BATTERY BACKUP

AUDIBLE DEVICE AND BATTERY BACKUP

WIRED BY ELECTRICAL CONTRACTOR









9 ALOF

FIRE ALARM LEGEND AND

Drawn: Checked: SF/RFC 03/20/20 Date: Scale: Project No.: 219247

**DETAILS** 

File No.:

Drawing No.:

1. THE ELECTRICAL CONTRACTOR SHALL OBTAIN A FIRE ALARM PERMIT FROM THE PORTLAND FIRE DEPARTMENT PRIOR TO COMMENCING WORK.

2. AT THE COMPLETION OF THE PROJECT, THE FIRE ALARM SYSTEM SHALL BE TESTED TO THE SATISFACTION OF THE PORTLAND FIRE DEPARTMENT.

3. ALL INDICATING DEVICES SHALL BE SYNCHRONIZED TO COMPLY WITH INTERNATIONAL BUILDING CODE 2015 EDITION AND NFPA 72 2019 ANNEX A.18.5.5.5.2(2) REQUIREMENTS.

4. ONCE ACTIVATED, NO PORTION OF THE FIRE ALARM SYSTEM SHALL BE PERMITTED TO REMAIN OUT OF SERVICE OVERNIGHT.

5. ALL NEW DEVICES MUST BE REFLECTED AT THE FIRE ALARM CONTROL PANEL VIA LABELING, PROGRAMMING, ETC.





SALVATORE
FAZIO
No. 13841
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(CENSE)



Editional Contractors LLC

40 Lowell Street

Salem, NH

Date Description Approved

ALOFT HOTEL
383 COMMERCIAL STREET
PORTLAND, ME 04101

itle
FIRST FLOOR
FIRE ALARM
PLAN

	Drawn:	Bl
	Checked:	SF/RFG
	Date:	03/20/20
	Scale:	3/32"=1'-0'
	Project 1	No.: 219247
	File No.:	

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Stamp:
SALVATORE
FAZIO
NO. 13841
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FAZIO
NO. 13841



Electrical Contractors LLC

TO Lowell Street

Salem, NH

Description Approved

ALOFT HOTEL
383 COMMERCIAL STREET
PORTLAND, ME 04101

Title
SECOND FLOOR
FIRE ALARM
PLAN

Drawn: BL
Checked: SF/RFG
Date: 03/20/20
Scale: 3/32"=1'-0"
Project No.: 219247
File No.:

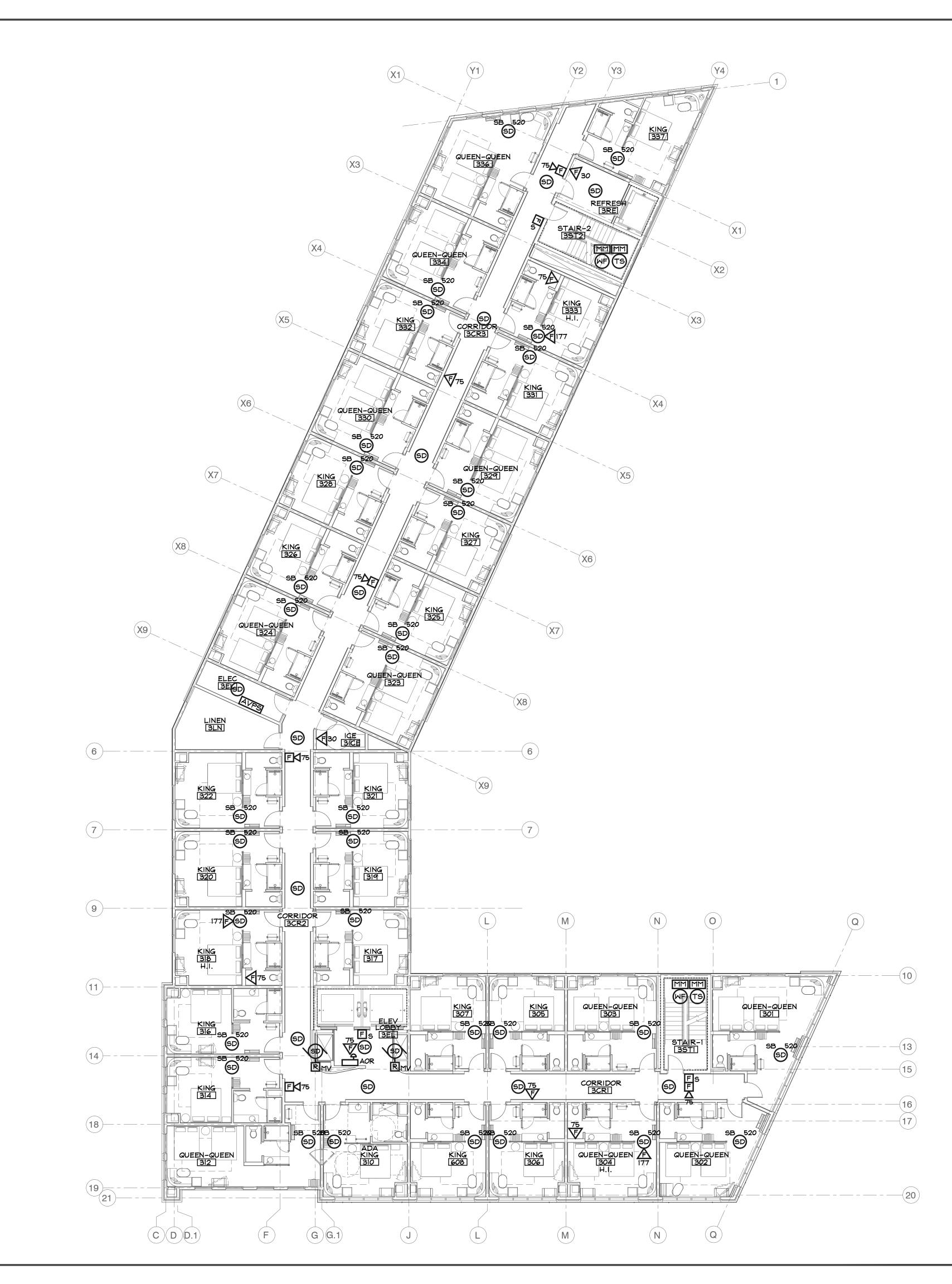
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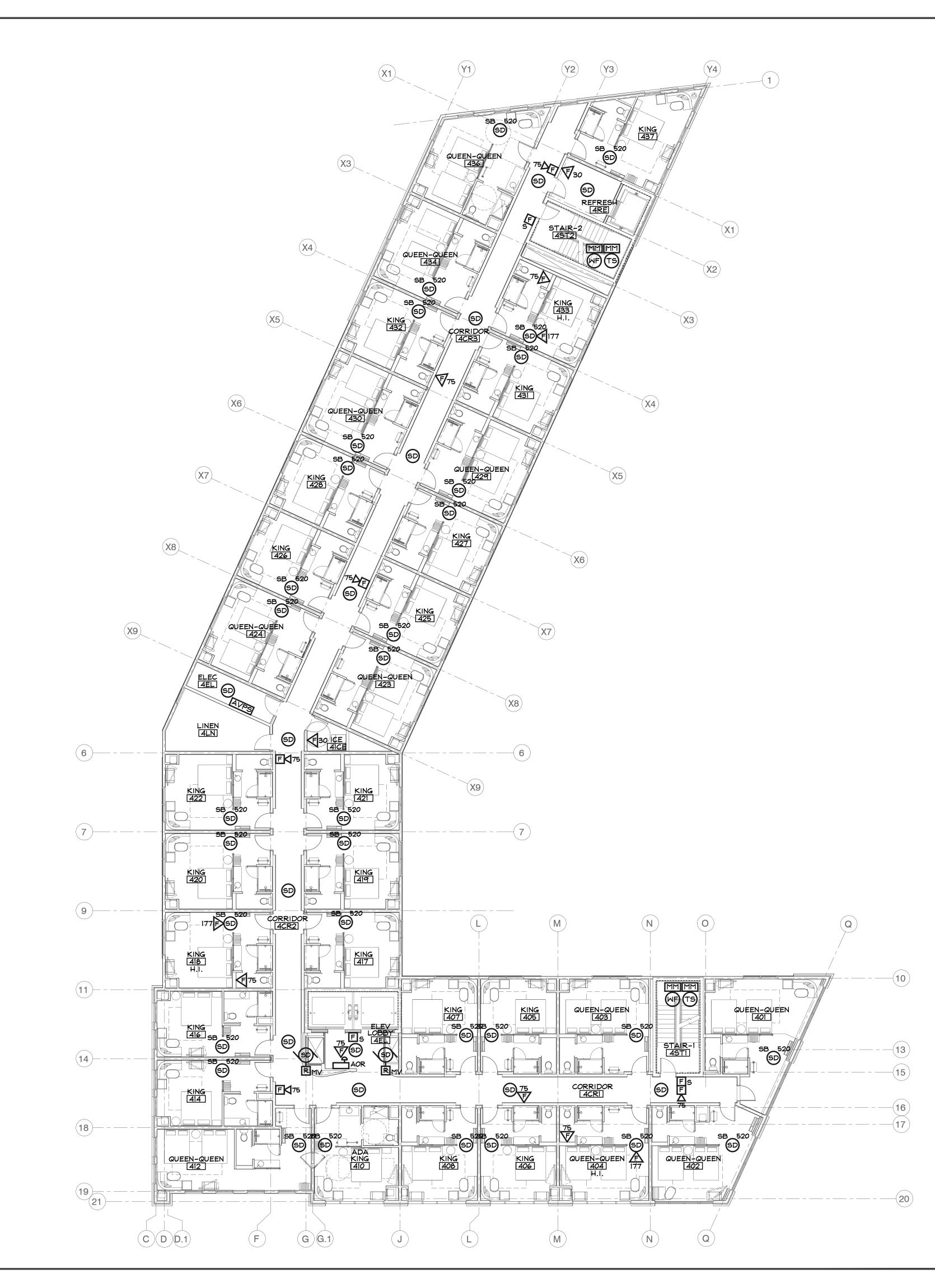


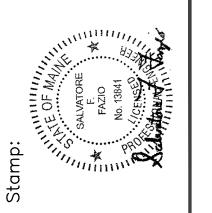
ALOFT HOTEL
383 COMMERCIAL STREET
PORTLAND, ME 04101

THIRD FLOOR FIRE ALARM PLAN

Drawn: Checked: 03/20/20 Date: 3/32"=1'-0" Scale: Project No.: 219247 File No.:

FIRE ALARM PLAN NOTES 1. THE ELECTRICAL CONTRACTOR SHALL OBTAIN A FIRE ALARM PERMIT FROM THE PORTLAND FIRE DEPARTMENT PRIOR TO COMMENCING WORK. 2. AT THE COMPLETION OF THE PROJECT, THE FIRE ALARM SYSTEM SHALL BE TESTED TO THE SATISFACTION OF THE PORTLAND FIRE DEPARTMENT. 3. ALL INDICATING DEVICES SHALL BE SYNCHRONIZED TO COMPLY WITH INTERNATIONAL BUILDING CODE 2015 EDITION AND NFPA 72 2019 ANNEX A.18.5.5.5.2(2) REQUIREMENTS. 4. ONCE ACTIVATED, NO PORTION OF THE FIRE ALARM SYSTEM SHALL BE PERMITTED TO REMAIN OUT OF SERVICE OVERNIGHT. 5. ALL NEW DEVICES MUST BE REFLECTED AT THE FIRE ALARM CONTROL PANEL VIA LABELING, PROGRAMMING, ETC.







Eastern Services
Electrical Contractors LLC
40 Lowell Street
Solem. NH

Date Description Approved

ALOFT HOTEL
383 COMMERCIAL STREET
PORTLAND, ME 04101

Title

FOURTH FLOOR

FIRE ALARM

PLAN

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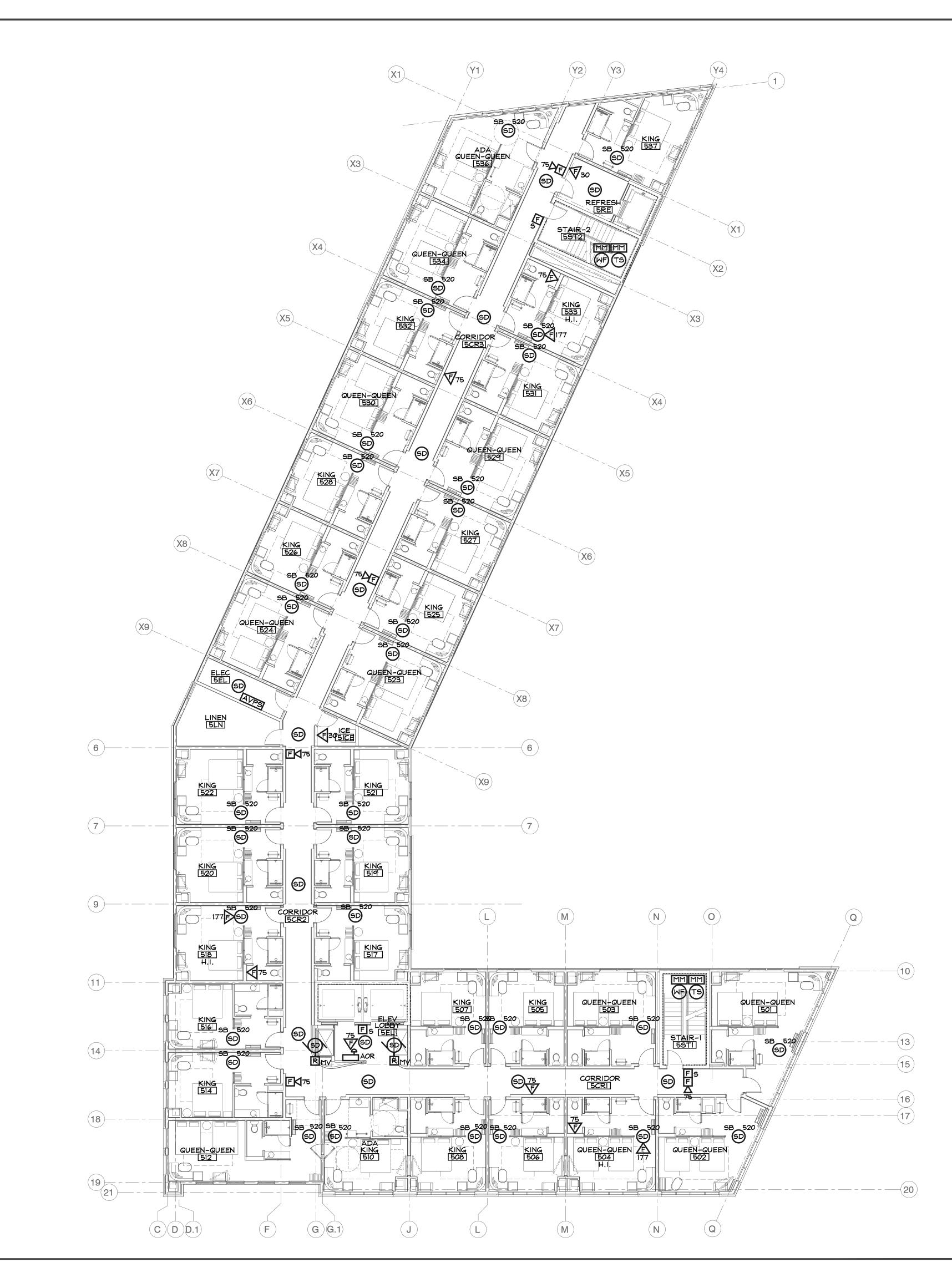
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ALOFT HOTEL
383 COMMERCIAL STREET
PORTLAND, ME 04101

FIFTH FLOOR FIRE ALARM PLAN

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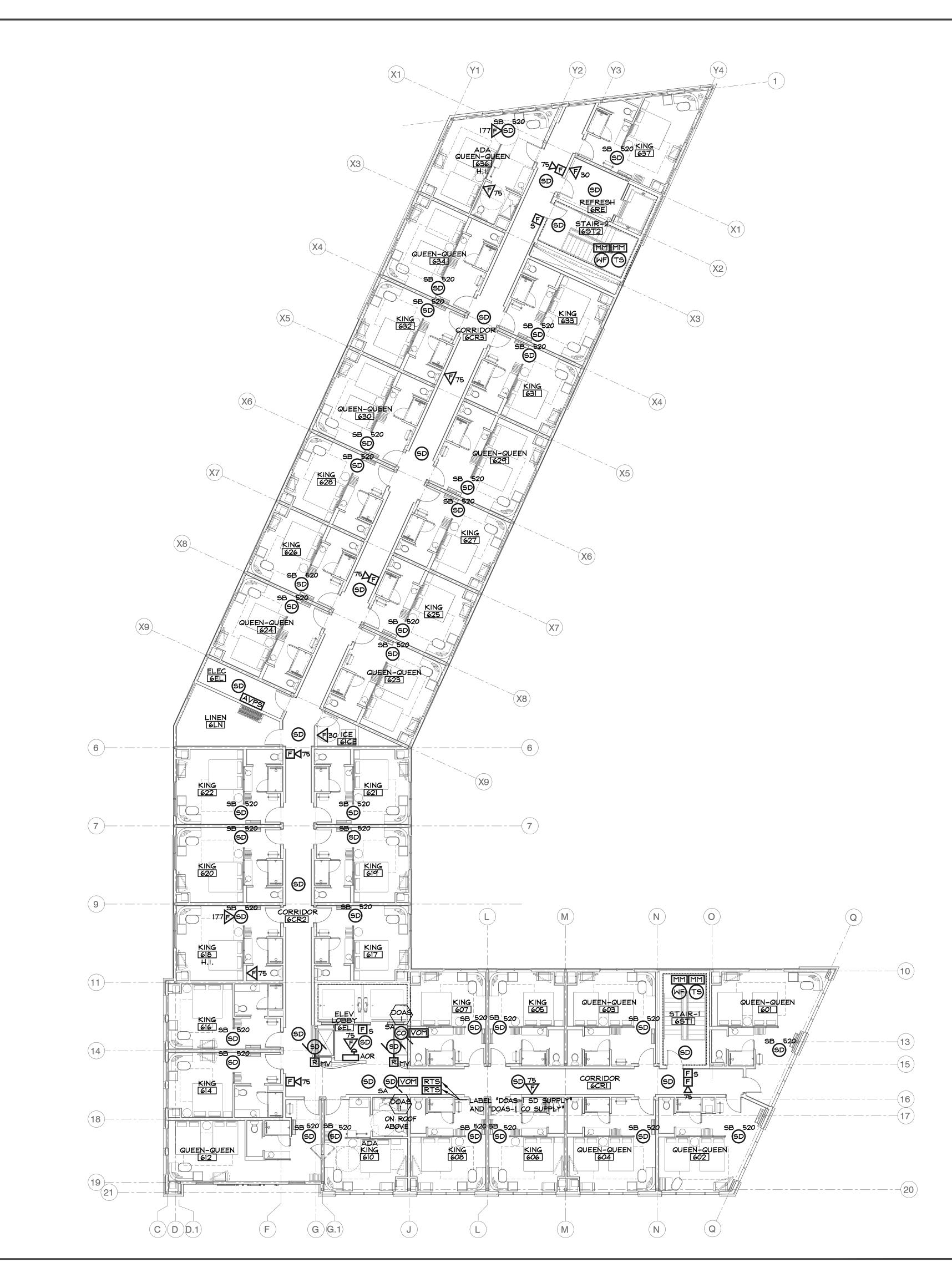
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SIXTH FLOOR FIRE ALARM

Drawn: Checked: 03/20/20 Date: 3/32"=1'-0" Scale: Project No.: 219247

PLAN

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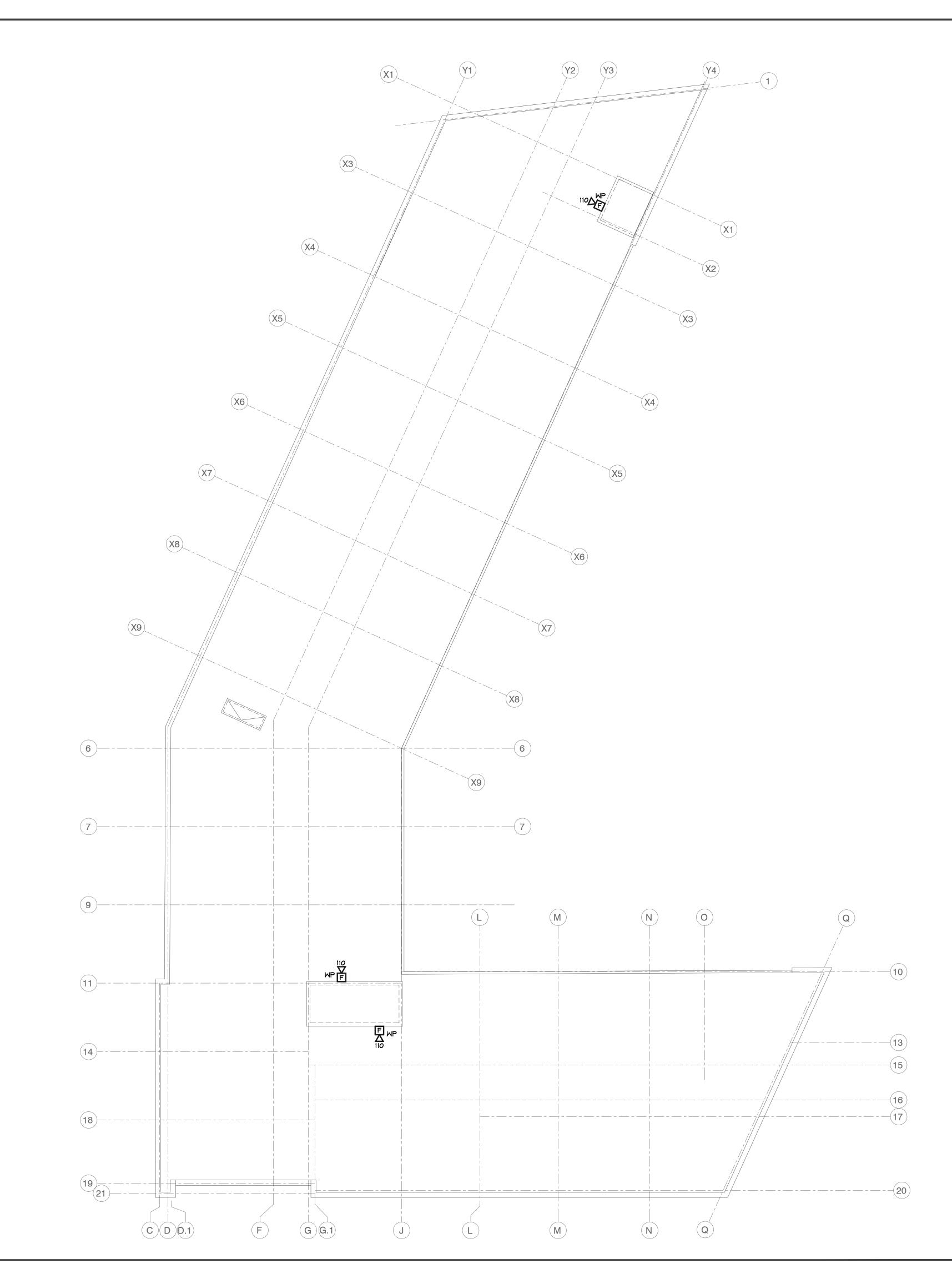
1. THE ELECTRICAL CONTRACTOR SHALL OBTAIN A FIRE ALARM PERMIT FROM THE PORTLAND FIRE DEPARTMENT PRIOR TO COMMENCING WORK.

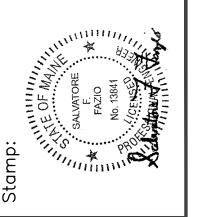
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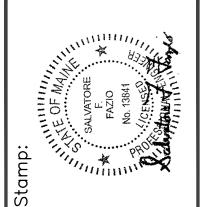
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KEVISIONS	Description		
	Date		

ALOFT HOTEL
383 COMMERCIAL STREET
PORTLAND, ME 04101

**ROOF FIRE** ALARM PLAN

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Eastern Services
Electrical Contractors LLC
40 Lowell Street
Salem, NH

Date Description Approved

ALOFT HOTEL
383 COMMERCIAL STREET
PORTLAND, ME 04101

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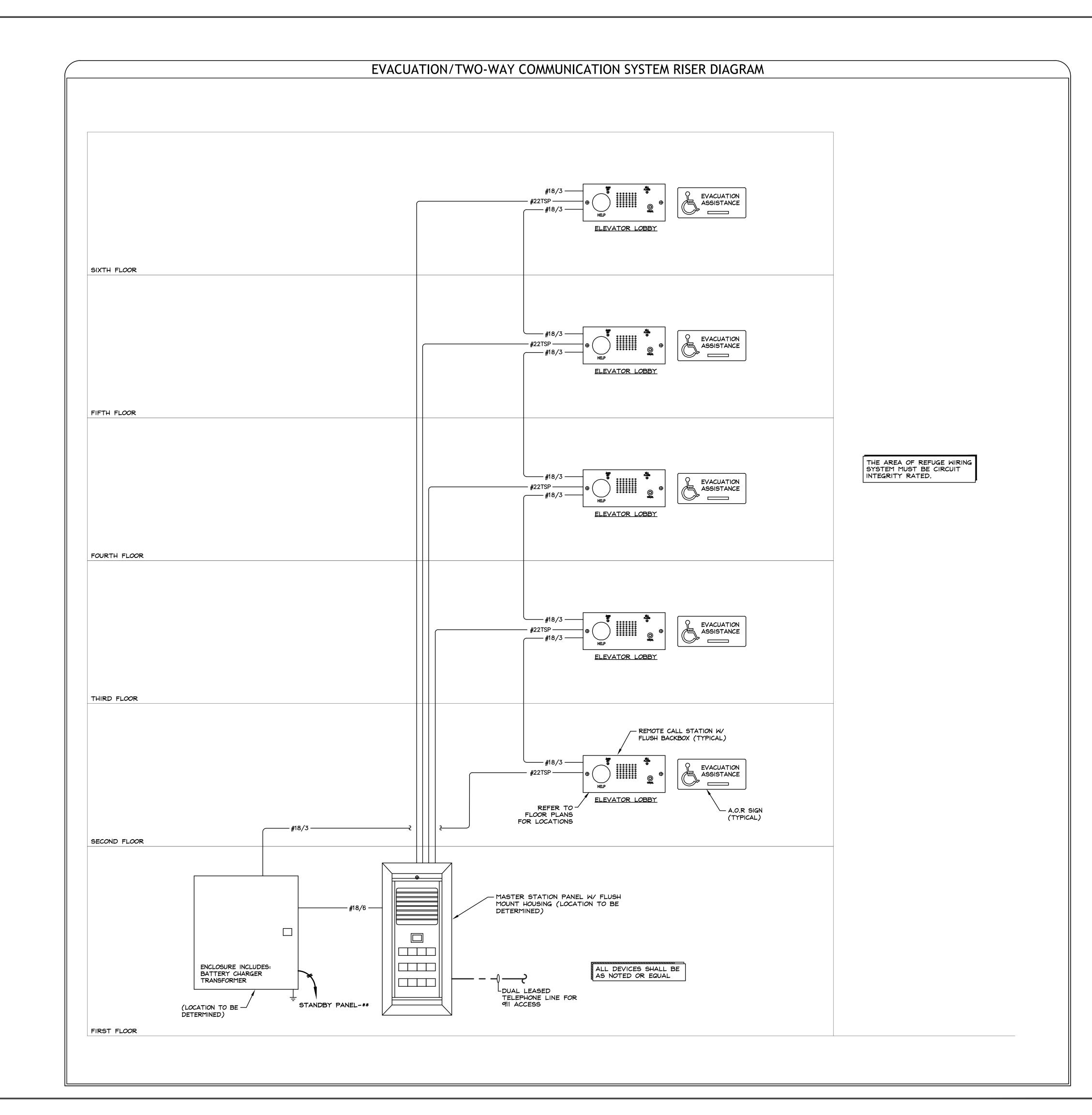
FIRE ALARM RISER DIAGRAM

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Project No.: 219247

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Stamp:
SALVATORE
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Eastern Services
Electrical Contractors LLC
40 Lowell Street
Salem, NH

Date Description Approved

ALOFT HOTEL
383 COMMERCIAL STREET
PORTLAND, ME 04101

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FIRE ALARM AOR RISER

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