SEABREEZE



250 RIVERSIDE INDUSTRIAL PARKWAY PORTLAND, ME

PROJECT INFORMATION

ı	1. THIS SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE
	SPECIFICATIONS AND STANDARDS APPROVED BY THE AUTHORITY HAVING
	JURISDICTION.

2. ALL DEVICES AND APPLIANCES SHALL BE LOCATED AND MOUNTED SO THAT ACCIDENTAL OPERATION OR FAILURE IS NOT CAUSED BY VIBRATION OR

3. EQUIPMENT SHALL BE INSTALLED IN LOCATIONS WHERE CONDITIONS DO NOT EXCEED THE VOLTAGE, TEMPERATURE, AND HUMIDITY LIMITS SPECIFIED IN THE MANUFACTURER'S PUBLISHED INSTRUCTIONS.

4. THE SECONDARY POWER SUPPLY SHALL AUTOMATICALLY PROVIDE POWER TO THE PROTECTED PREMISES SYSTEM WITHIN 10 SECONDS WHENEVER THE PRIMARY POWER SUPPLY FAILS TO PROVIDE THE MINIMUM VOLTAGE REQUIRED

5. INITIATING DEVICES OF THE MANUAL OR AUTOMATIC TYPE SHALL BE SELECTED AND INSTALLED SO AS TO MINIMIZE NUISANCE AND UNINTENTIONAL ALADMS

6. ALL FIRE ALARM DEVICES SHALL COMPLY FULLY WITH ALL A.D.A. REQUIREMENTS.

7. REQUIRED SIGNALS SHALL NOT BE LOST, INTERRUPTED, OR DELAYED BY MORE THAN 10 SECONDS AS A RESULT OF THE PRIMARY POWER FAILURE.

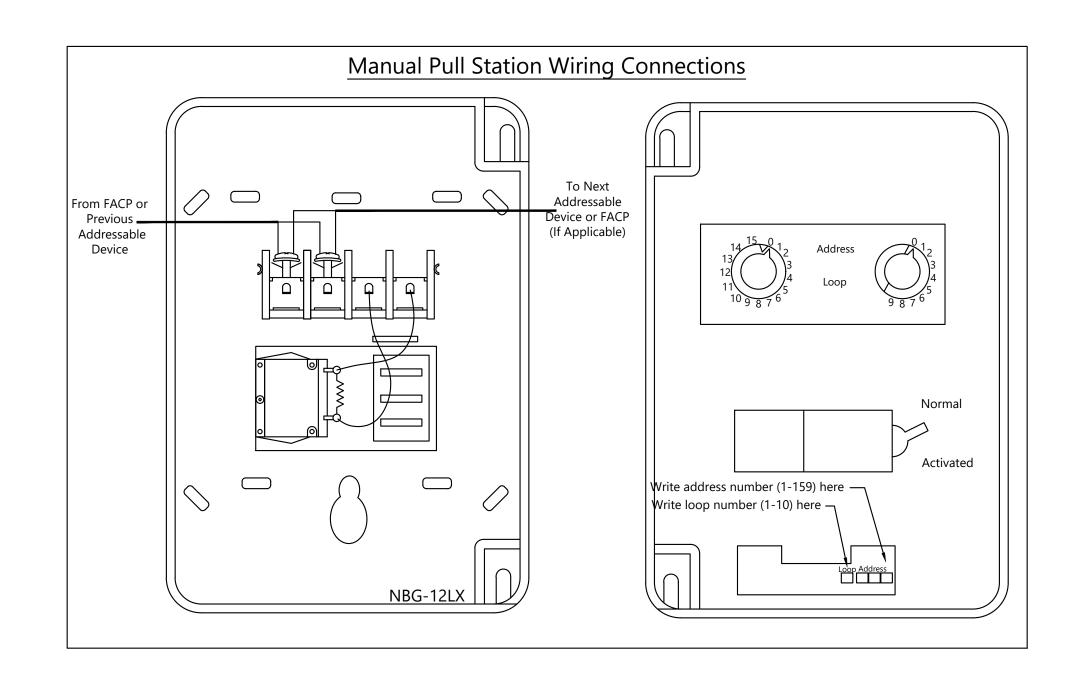
THAN 10 SECONDS AS A RESOLT	OF THE FINIMANT FOWEN FAILURE.
INSTALLATION TYPE NEW INSTALL	☐ TENANT IMPROVEMENT
WIRING STYLE ☐ CLASS "A"	CLASS "B"
PANEL TYPE CONVENTIONAL	ADDRESSABLE
BLDG OCCUPANCY GROUP B	SPRINKLED YES
AREA - SQUARE FOOT 11,220 SF	
SCOPE OF WORK	

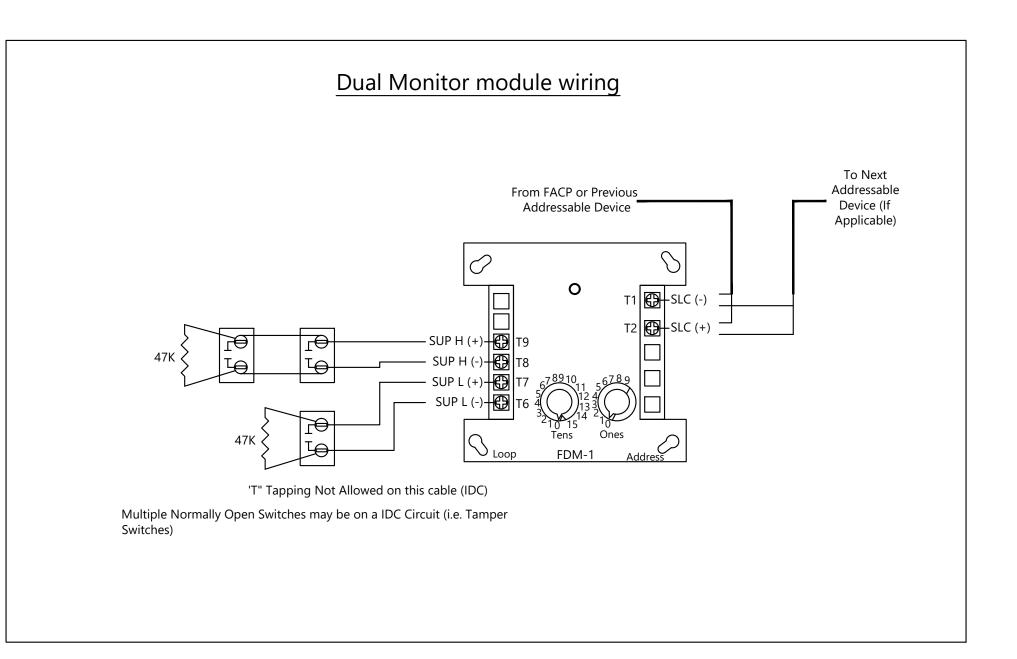
INSTALL A NEW FIRE ALARM SYSTEM.

Connection Drawing for System Sensor Horn, Chime, Horn/Strobe, Chime/Strobe, and Strobe Note: Refer to Floorplans for candela ratings Horn Tone Audio Select Candela Range Chime Tone Audio Select High Temporal Horn High 1 Second Low 1 Second Low Non-Temporal Horn High 3.1KHz Temporal Horn Change this to 2. Low 1/4 Second 110^ Low 3.1KHz Temporal Horn Unless otherwise High Temporal 115* High 3.1KHz Non-Temporal 135^ High 5 Second Whoop Low 3.1KHz Non-Temporal 150* Low 5 Second Whoop 177* Temporal Horn Only Use The Chimes Have to be Set to Setting 1, 2, 5, or 6 a Temporal Chime Only Use *Ceiling Mount Devices Only ^Wall Mount Devices Only

OUTPUTS OPERATE ALL AREA AUDIO/VISUAL SIGNALS SEND ALARM SIGNAL TO CENTRAL STATION MONITORING SEND SUPERVISORY SIGNAL TO CENTRAL STATION MONITORING SEND WATER-LOW SIGNAL TO CENTRAL STATION MONITORING COOSE FIRE DAMPERS SOUND LOCAL PIEZO AT DETECTOR IN ALARM SPRINKLER WATER-LOW SIGNAL TO CENTRAL STATION MONITORING COOSE FIRE DAMPERS SPRINKLER WATER-LOW SPRINKLER TAMPER SWITCH MANUAL PULL STATION MANUA

SEQUENCE OF OPERATION





DEVICE LEGEND

QTY	SYMBOL	DESCRIPTION	PART NUMBER
1	FACP	FIRE ALARM CONTROL PANEL	SK-6700
1	<u>S</u>	PHOTOELECTRIC SMOKE DETECTOR	SK-PHOTO
1	F	MANUAL PULL STATION	SK-PULL-SA
1	DM	DUAL MONITOR MODULE	SK-MONITOR-2
1	TS	SUPERVISORY CONTROL VALVE	BY OTHERS
1	WF	WATER FLOW SWITCH	BY OTHERS
1	КВ	KNOX BOX	BY OTHERS
1	Ĭ	WALL MOUNTED HORN/STROBE	P2RL
1	Ĭ WP	WALL MOUNTED HORN/STROBE WEATHERPROOF	P2RK

FIRE ALARM WIRE LEGEND

TAG	DESCRIPTION	TYPE	GAUGE	FPL	FPLR	FPLP	THHN	TFF
^A	ADDRESSABLE SLC LOOP	UTP SOLID	18 AWG	Х	Х	Х		
- B	NOTIFICATION DEVICES	2 COND. SOLID	14 AWG	Х	Х	Х		

ALL WIRE/CABLES ARE FOR INDOOR INSTALLATIONS. UNDERGROUND CABLE / WIRE MUST BE LISTED FOR INSTALLATION IN WET CONDITION.

IUM CABLE VS NON-PLENUM

FPL - THIS IS GENERAL USE POWER LIMITED FIRE ALARM CABLE. IT CANNOT BE USED IN A PLENUM SPACE OR FOR RISER (CABLING BETWEEN FLOORS). CABLE MUST BE IN CONDUIT.

FPLR - THIS IS POWER LIMITED RISER RATED CABLE THAT CAN BE USED FOR GENERAL PURPOSES OR BETWEEN FLOORS. IT CANNOT BE USED IN A PLENUM SPACE, CABLE MUST BE IN CONDUIT.

FPLP - THIS IA A POWER LIMITED CABLE THAT CAN BE USED IN A PLENUM, RISER OR FOR GENERAL PURPOSE.

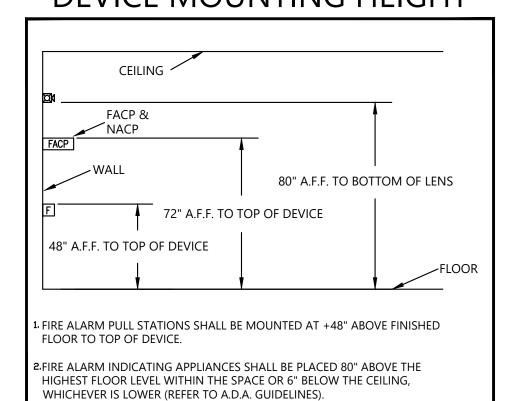
CONDUIT SIZE	MAX CONDUCTOR AREA	CONDUIT SIZE	MAX CONDUCTOR AREA
1/2"	0.12 SQ. INCH*	1-1/4"	0.60 SQ INCH*
3/4"	0.21 SQ INCH*	1-1/2"	0.82 SQ INCH*
1"	0.34 SQ INCH*	2"	1.34 SQ INCH*

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TEMS SUCH AS CAPACITANCE BETWEEN CONDUCTORS AND WIRE GAUGE CAN BE CRUCIAL TO THE CIRCUIT ESIGN OF THIS SYSTEM INSTALLATION. THE INSTALLING CONTRACTOR IS RESPONSIBLE FOR SELECTING AND

ALLING CABLE MANUFACTURER AND MODEL THAT MEETS OR EXCEEDS THE REQUIREMENTS.

DEVICE MOUNTING HEIGHT



SCALE: AS NOTED

DATE: 02/19/2020

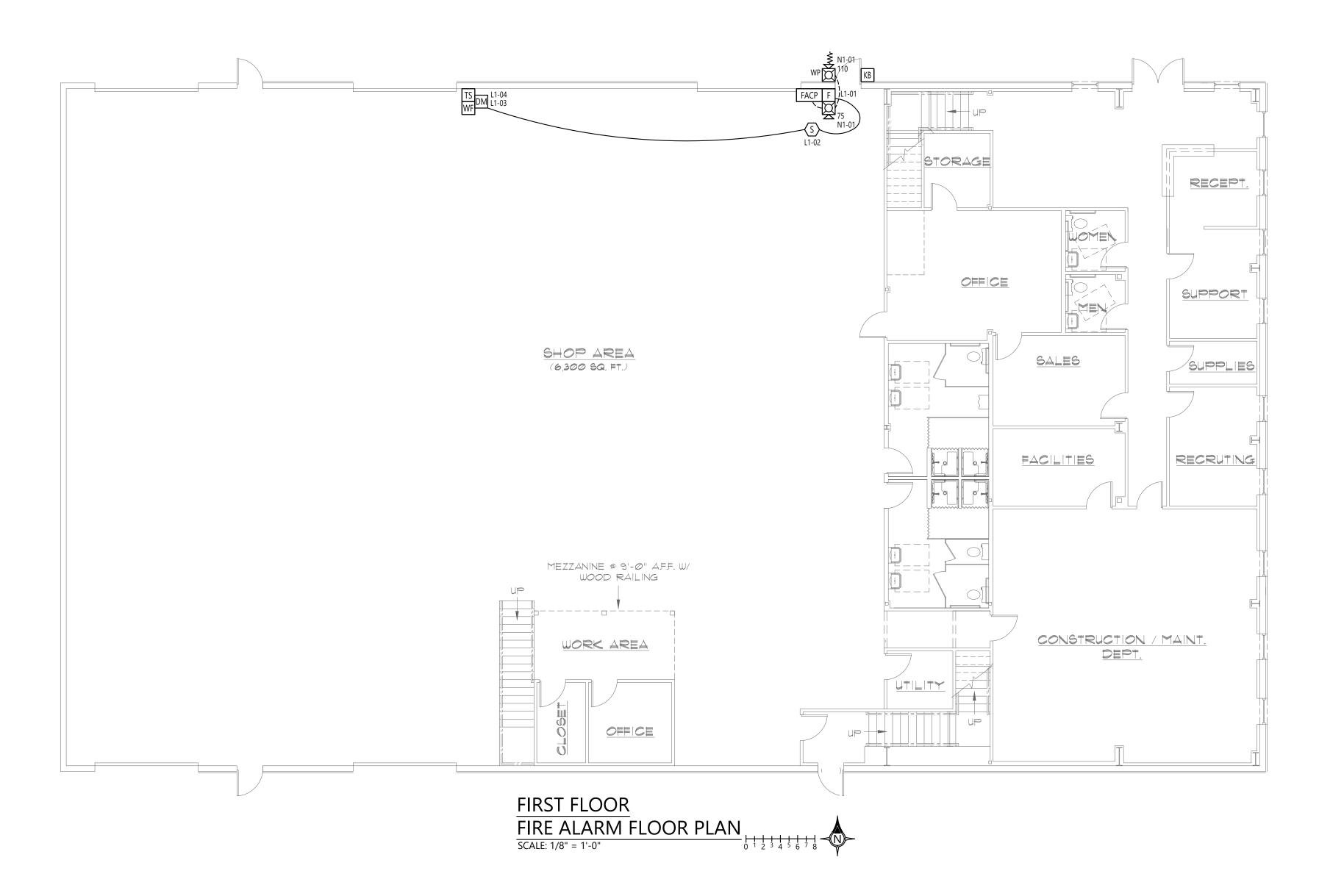
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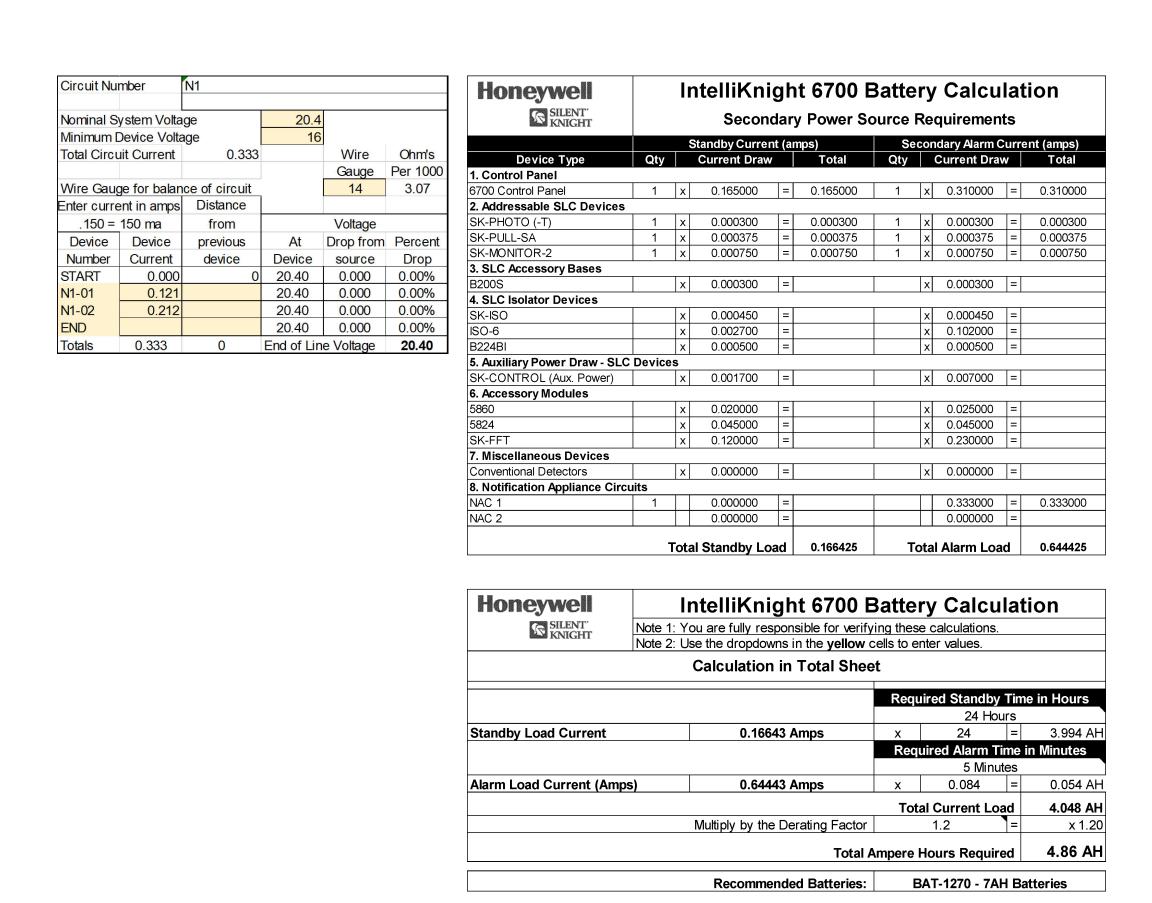
SHEET:

1 OF 2

SREEZE
NDUSTRIAL PARKWAY

FIRE ALARM SYS SEABRE







QTY	SYMBOL	DESCRIPTION	PART NUMBER
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PLENUM CABLE VS NON-PLENUM

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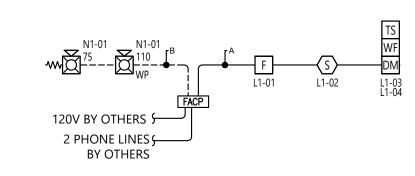
FPLP - THIS IA A POWER LIMITED CABLE THAT CAN BE USED IN A PLENUM, RISER OR FOR GENERAL

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1"	0.34 SQ INCH*	2"	1.34 SQ INCH*
		•	

* 40% CONDUIT FILL PER N.E.C.

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FIRE ALARM RISER DIAGRAM
SCALE: NOT TO SCALE

FIRE ALARM SYSTEM PLAN
SEABREEZE

PARKWAY

RIVERSIDE INDUSTRIAL PORTLAND, ME

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Reviewed for Code Compliance mitting and Inspections Department	SURGIA ORTLAND	
Approved with conditions	•	21

03/02/2020

AS NOTED

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