<u>Fire Alarm</u>						<u>1</u>	Notif	licat	<u>ion</u>	<u>Appli</u>	<u>iance:</u>	<u>5</u>				
NAC	Fire Alarm	Power	Supply				XXce			Hor	rn St	rob	e		NAC PANEL	Bat
														 Component	Stand-by Draw	
<u>Initiating De</u>	vices						XXco	٩X		Str	robe			 5495	0.075000	0
<u>In the unique of</u>														 		NAC
F	Pull Station	า												 NAC 1 NAC 2	0.000000	0
						<u>P</u>	<u>lisce</u>	ellane	<u>2005</u>	ž				 NAC 2	0.000000	
$\langle \mathbb{Z} \rangle$	Smoke Dete	ctor.	Photoelectric				[EOL	Re	Eno	d of	Line	e (EOL) Resistor	NAC 4	0.000000	(
\frown																24 5 Mi
	SYMBOI	_ L	EGEND												Amp-ha	
	SCALE															Batte
				ACTIVATE CDMMDN ALARM D	ACTIVATE AUDIBLE ALARM wardshiperate Signal	ACTIVATE COMMON SUPERVISORY INDICATOR	BLE U	TRDU	TRDUBLE 4	ICATION D	TRANSMIT ALARM SIGNAL TD I CENTRAL STATIDN	TRANSMIT SUPERVISDRY SIGNAL TD CENTRAL STATIDN	CENTRAL STATION CENTRAL STATION CENTRAL STATION			
		1	MANUAL FIRE ALARM BOX	x	x			4	¥ 	x	×	S.				ļ
		2	WATER FLOW	x	x					x	x					K
	_	3	SMOKE DETECTOR	x	×					x	x					K
	INPUT	4	VALVE SWITCH	1	1	×	х					х				KA
	SYSTEM	5	FACU AC POWER FAILURE					x	×				x			
	S	6	FACU LOW BATTERY					х	x				x			
		7	DPEN CIRCUIT					x	×				x			7 E
		8	SHORT CIRCUIT					x	x				x		Ľ	1 X
		(5)) FIRE ALARM Scale: NONE		TR.	IX	DF	DF	<u>>EŁ</u>	2AT	ION	IS				1

Installation of optional fire alarm equipment in a new tenant space. Fire alarm notification appliances are tied to the new NAC panel in the unit, while SLC devices are connected to the existing SLC loop. All is controlled by an existing Silent Knight 5820XL fire alarm control unit.

Contractor on site to verify additional SLC capacity.

6

8

SYSTEM NARRATIVE SCALE: NONE

Floor	Оссирансу Туре
1	NFPA 101: Ch. 38 New Business
1	IBC 2015: Business Group B

	OCCUPANCY TYPES
、′ 厂	SCALE: NONE

Document	Edition			
NFPA 1	2018ed*			
NFPA 72	2019ed*			
NFPA 101	2018ed*			
IBC	2015ed, component of MUBEC*			
* Indicates state version				

APPLICABLE CODES SCALE: NONE

9

MOHS 109

NURSE STATION 111

The

ery Ca	ery Calculations						
rm Draw	Qty	Total Stand-by	Total Alarm				
205000	1	0.075000	0.205000				
Circuits	ircuits						
767000	1	-	0.767000				
.000000	1	-	0.000000				
.000000	1	-	0.000000				
.000000	1	-	0.000000				
Т	otal	0.075000	0.972000				
Hour Stan	d By	1.800000	-				
nutes of A	Alarm	_	0.081000				
equired (1	2SF)	2.26					
ry to be	Used	74	h l				

_			
	Voltage Drop Calcula	tion	
F	NAC Circuit Draw (Amps)	0.76	,70
	NAC Circuit Voltage		24
Γ	NAC Circuit Resistance	31.25	907
Γ	Length of Circuit	2	250
Γ	Conductor Loop Resistance	1.5350	000
	Total Resistance	32.82	57
Γ	Results		
	Voltage At Last Device	22	88
Г			
	Load Cal	<u>culati</u>	or
	Model	cd	

Model	cd	QTY	Draw (A)	Total
System Sensor PC2RL	15	4	0.0710	0.28400
System Sensor PC2RL	30	2	0.0910	0.182000
System Sensor SRL	15	7	0.0430	0.301000
			Total	0.76700

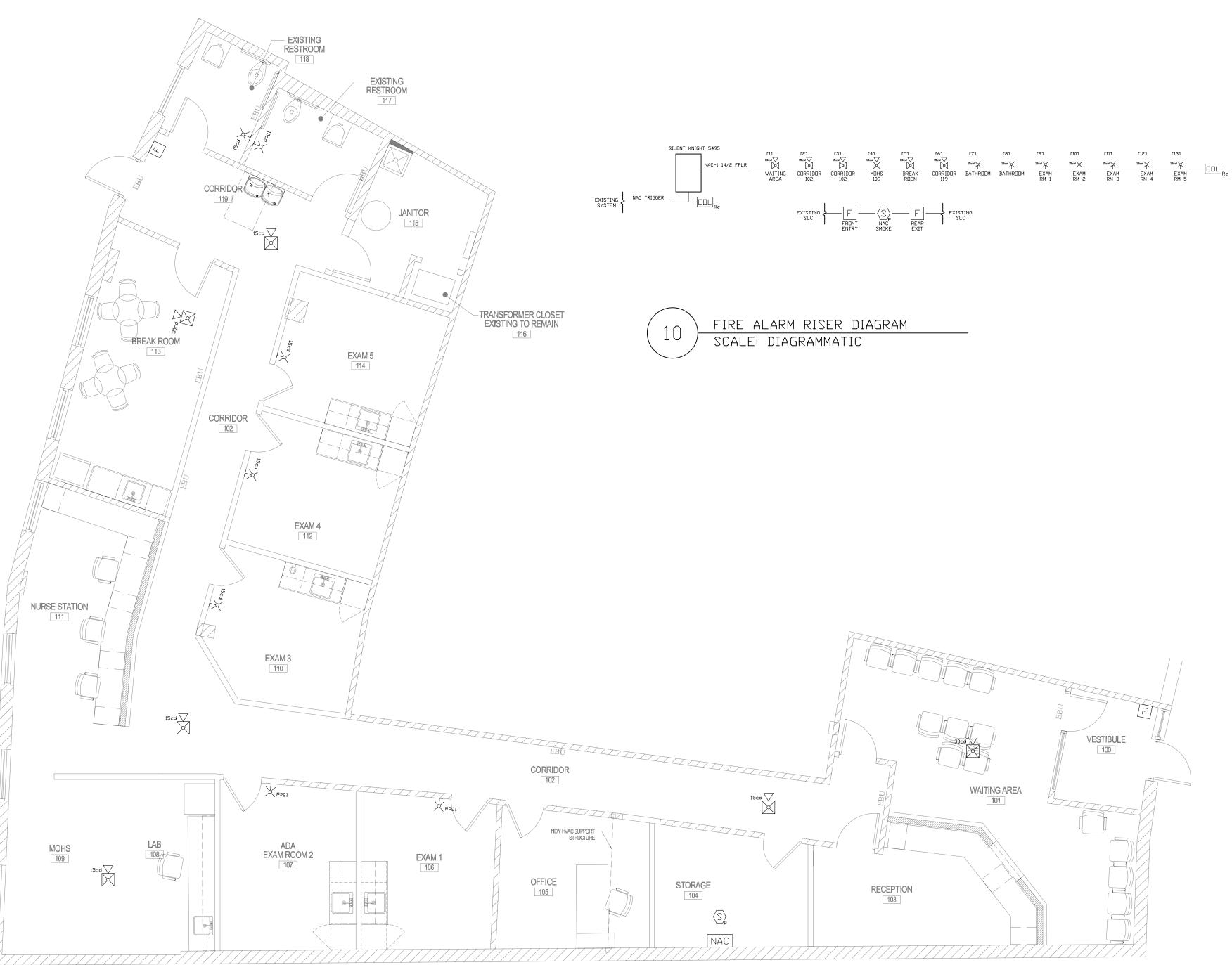
	Additior
Component	Stand-by
SD500-PSDA	0.0005
SD505-PHDTD	0.0005
Δ	idditional
\frown	

SCALE: NONE

4

- NAC PANEL





FLOOR PLAN SCALE: 3/16" = 1'-0"



Reviewed for Code Compliance
Permitting and Inspections Department
Approved with Conditions

01	11	2	5	Λ	2
UI		ו S/	' Z	U	2

 Onal Battery and SLC Load

 -by Draw
 Alarm Draw
 Qty Total Stand-by
 Total Alarm

 00550
 0.000550
 2
 0.001100
 0.001100

 00550
 0.000550
 1
 0.000550
 0.000550
0.000550 0.001650 0.001650 Total 24 Hour Stand By 0.039600 -5 Minutes of Alarm Amp-hours Required (1.2SF) 0.000138 0.05 0.002 Additional SLC Load

New System Load



John Mocker, SET John Mocker NICET Level IV - Fire Alarm Technician ID: 137219 Expires: 11/1/2022





Revision Information

01	12/25/2019
	Issued for Review
02	02/20/2020
	Added strobes to exam rooms
03	
04	
05	
06	
07	
80	
09	
10	

Project Information

NORTHEAST DERMATOLOGY ASSOCIATES PORTLAND

125 Presumpscot Street Portland, ME

Sheet Information

AUTHOR	ZMS
SCALE	VARIES
FA-01	FIRE ALARM Additions