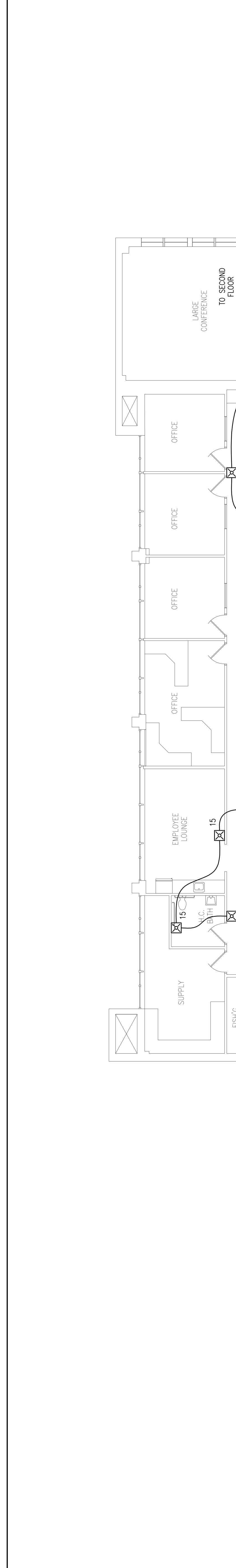


REVISION	DESCRIPTION	DATE
0	ISSUED FOR REVIEW & APPROVAL	5/19/2014

RESERVED FOR CITY STAMP



CUNNINGHAM
Security Systems
10 Princes Point Road, Yarmouth, Maine 04096
Office: 207.846.3350 • Fax: 207.846.6080

27 PEARL STREET
PORTLAND, MAINE 04101
FIRST FLOOR FIRE ALARM PLAN

REVISION	SCALE	DATE	CHECKED	DRAWN
0	1/8"=1'-0"	5/15/2014	WAYNE B. HAWES NCET # 90496	JPB UNICAD JOB #14257

Project Name	27 PEARL STREET BUILDING
Circuit Number	NAC-2
Nominal System Voltage	20.4 volts
Minimum Device Voltage	16 volts
Distance from source to 1st device	35
Wire Gauge for balance of circuit	14
Max Output Current	1.5 amps
Total Circuit Current	1.125 amps

Device	Current	Distance previous device	Distance to Drop from source	Voltage at Device	Drop	Percent Drop
Device 1	0.076	16	16	19.81	0.24	2%
Device 2	0.076	30	30	19.81	0.47	2%
Device 3	0.066	35	35	19.71	0.69	3%
Device 4	0.066	22	22	19.67	0.73	4%
Device 5	0.212	11	11	19.54	0.86	4%
Device 6	0.212	49	49	19.48	0.92	4%
Device 7	0.212	45	45			
Device 8	0.212	230	230			
Totals	1.125					

Device	Current	Distance previous device	Distance to Drop from source	Voltage at Device	Drop	Percent Drop
Device 1	0.031	16	16	19.96	0.27	2%
Device 2	0.031	30	30	19.91	0.44	2%
Device 3	0.176	43	43	19.91	0.49	2%
Device 4	0.176	37	37	19.90	0.50	2%
Device 5	0.176	28	28			
Device 6	0.094	31	31			
Totals	0.859	179				

UNICAD Inc.
www.unicad.net
Fire Alarm Design & Drafting Services

5/16/2014

27 PEARL STREET BUILDING

NAC-1

20.4 volts
16 volts
14
14

1.5 amps
0.859 amps

5/16/2014

27 PEARL STREET BUILDING

NAC-2

20.4 volts
16 volts
35
14

1.5 amps
1.125 amps

5/16/2014

27 PEARL STREET BUILDING

NAC-2

20.4 volts
16 volts
35
14

1.5 amps
1.125 amps