

PROJECT NAME: Required Standby Time: Required Alarm Time: FCP STANDBY LOAD Regulate Battery Calculation $\times \times \times \times \times$ $\times \times \times \times \times$ urrent Amps) 0.20000 0.04000 0.40000 0.61000 0.42300 0.12000 0.12000 0.01500 0.00030 0.00023 0.00040 10/1/2014 0.12000 0.12000 0.01500 0.00030 0.00092 0.000160 mps)
0.20000
0.04000
0.40000
0.61000
0.42300 0.13782

Circ	Nomi Minim Dista Wire Max Total	NAC Proj Circı	Circui Device Device Device Device Totals	Nomi Minin Dista Wire Max Total	Proj Circ
iit is w	inal System Voltage num Device Voltage nce from source to Gauge for balance c Output Current Circuit Current	Circuit Voltage Drop ect Name uit Number	Circuit is within limits Device 1 Device 2 Device 3 Device 4 Totals	inal System Voltage num Device Voltage nce from source to Gauge for balance c Output Current Circuit Current	ect Name uit Number
Device Current 0.066	o 1st device of circuit	Calculation	Device Current 0.079 0.212 0.212 0.107 0.610	of circuit	
_	20.4 16 23 1.0 0.423	1854 FOREST NAC-2	Distance previous device 43 36 37	20.4 16 8 10 0.610	1854 FOREST NAC-1
Voltage at Device	volts volts	T AVENUE	Voltage at Device 20.37 20.23 20.16 20.14	volts volts amps	T AVENUE
Drop from source 0.06	Wire Gauge 14		Drop from source 0.03 0.17 0.24 0.26	Wire Gauge 14 14	
Percent Drop 0%	Resistance Per 1000 6.14 6.14	2/23/2012	Percent Drop 0% 1% 1%	Resistance Per 1000 6.14 6.14	2/20/2012

Circuit Number	Project Name	NAC Circuit Voltage Drop Calculation	
NAC-1	1854 FOREST AVENUE	2/23/2012	

iit Voltage Drop Calculation			2/23/2012
ame	1854 FOREST AVENUE		
ımber	NAC-1		
system Voltage	20.4 volts	Wire	Resistance
Device Voltage	16 volts	Gauge	Per 1000
from source to 1st device ge for balance of circuit	8	14	6.14 6.14
ut Current uit Current	1.0 amps 0.610 amps		

ect Name	Circuit Voltage	FPLR
	Circuit Voltage Drop Calculation	FIRE POWER LIMITED RISER
1854 FOREST AVENUE		RISER
	2/23/2012	

	30
WITH GUARD	
PENDENT MOUNT	
RESIDENTIAL (110V)	(2) \rightarrow DEVICE ADDRESS \rightarrow (1)
SOUNDER BASE	L1D001 OR D01
WEATHER PROOF	(D or M — DENOTES DETECTOR OR MODULE #)
_ END OF LINE RESISTOR	"
R END OF LINE RELAY	1 11.0 /O TWD
AMERICAN WIRE GAUGE	\[\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
TWISTED PAIR	WIRE TYPE ABBREVIATED
P	WIRE SIZE
P	NUM # OF CABLES (IF OMITTED ONLY 1 CABLES (IF OMITTED
R	

FIRE CODE,

	FIRE POWER LIMITED RISER	F-15.
— # OF CABLES (IF OMITTED ONLY 1 CABLE NEEDED)	POWER LIMITED	FPLP
WIRE SIZE	TWISTED SHIELDED PAIR	TWSP
WIRE TYPE ABBREVIATED	TWISTED PAIR	TWP
[₹	AMERICAN WIRE GAUGE	AWG
		EOLR
	SISTOR	EOL
ES DETECTOR OR MODULE #	WEATHER PROOF (L = 1)	WP
L1D001 OR D01		S
VICE ADDRESS — (1)	0V)	R
)		Р
	WITH GUARD	G
CANDELA X 30	EXISTING	E
	DESCRIPTION	ABBREVIATION
FIELD VERIFY	KNOX BOX	KB
WALL 80"-96"	STROBE	×
WALL @ 90"	SPEAKER	SP
WALL 80"-96"	SPEAKER / STROBE	N N
WALL 80"-96"	HORN / STROBE	×
WALL @ 10'-0	HORN	
FIELD VERIFY	CEILING MOUNT SPEAKER / STROBE	Ø
FIELD VERIFY	CEILING MOUNT HORN / STROBE	(
FIELD VERIFY	CEILING MOUNT STROBE	Ø
BY OTHERS	BELL	£
0 : : : : : : : : : : : : : : : : : : :	-01- /WA - AEOOOAE OHIOOA	٦

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NOTIFICATION APPLIANCES

OTTATATOTT A TATA	REVISION	DESCRIPTION	DATE
$CUNNINGHAM \parallel$	0	ISSUED FOR REVIEW & APPROVAL	2/23/2012
	1	REVISED PER CLIENT MARK UP	10/2/2014
Security Systems			
occurry bystems			
10 Princes Point Road, Varmouth, Maine 04096			

WALL WALL FIELD FIELD FIELD FIELD FIELD FIELD BY 01 FIELD FIELD FIELD FIELD FIELD FIELD FIELD WALL WALL WALL WALL WALL WALL WALL Out or M - DENOTES DETECTO WALL WALL WALL Out of the proper of	ISSUED FOR	EVISION	RE	\overline{r}	7	7	Į	7	7/	 T	7	λ	7	<u> </u>	7	Y 7				:	JUI	AVE	EST	4 FOR	185
STROBE CANDEL Wire Countries of the Country of the			<u></u>	<u>_</u>															TED MITTED	3		O		nt	
		FIELD VERIFY FIELD VERIFY	WALL @ 48"	_					FIELD VERIFY			80"-	80"-	0	80"-			1'''	1	2/24/2				T 7 5	
																	STROBE - CANDELA		-#16/2		EST AVENUE	volts	amps amps	Voltage at Dr Device 20.37 20.23	

П JOB #12058

PORLAND, ME 04103

FIRE ALARM PLAN

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

NOT BE INSTALLED UNTIL

AFTER CONSTRUCTION

CLEAN-UP

TO

THE FIRE

ALARM EQUIPMENT

<u></u>

#16/2 TWP (SLC CONT.)

~2-#16/2 TWP 1-#14/2 AWG

POWER FOR ALL PROVIDED BY A D

FIRE ALARM PANELS AND FIRE DEDICATED AC BRANCH CIRCUIT.

ALARM POWER SUPPLIES

MUST BE

WIRING DEPICTED ON THESE PLANS IS SCHEMATIC — ACTUAL WIRE LOCATIONS MAY DIFFER FROM THESE PLANS. WIRING SHALL BE PERFORMED AS ACTUAL BUILDING CONSTRUCTION CONDITIONS ALLOW AND TO MINIMIZE PENETRATIONS THROUGH AREA SEPARATION WALLS AND FIRE WALLS. THE USE OF A RACEWAY IS PERMITTED AS LONG AS NO 110V OR HIGHER VOLTAGE CABLES ARE IN THE SAME RACEWAY.

INSTALLATION SHALL COMPLY WITH NEC, NFPA 72 AS REQUIRED BY THE LOCAL AUTHORITY HAVING

AND ALL OTHER APPLICABLE JURISDICTION.

CODES

THESE DRAWINGS ARE DIAGRAMMATIC. REFER TO EXACT DIMENSIONS.

THE ARCHITECTURAL DRAWINGS FOR

FIRE

SYMBOL

LEGEND

WALL-TOP @ 66"

FIRE RATINGS SHALL BE MAINTAINED FOR ALL PENETRATIONS THROUGH FIRE-RATED CONSTRUCTION.

#16/2 FROM F

FCP FSA

#16/ (SLC

GENERAL

NOTES: