Must Remain On Site

GENERAL NOTES:

1) ALL WIRE AND CONDUIT MUST BE INSTALLED IN ACCORDANCE WITH PLANS AND SPECIFICATIONS, AND MUST MEET ALL APPLICABLE CODES.

2) ALL WIRE AND CABLE MUST BE RATED FOR FIRE ALARM USE PER THE LATEST REVISIONS OF THE NATIONAL ELECTRICAL CODE SECTION 760. THIS IS A POWER LIMITED FIRE ALARM SYSTEM, ALL CABLE MUST BE MARKED **FPL, FPLR, CI OR FPLP**.

3) ALL CONDUCTORS MUST TEST FREE OF GROUND BEFORE MAKING CONNECTION TO THE FIRE ALARM CONTROL PANEL.

4) TO RETAIN WARRANTY, THE FIRE ALARM EQUIPMENT MUST BE POWERED UP UNDER THE DIRECTION OF A QUALIFIED MANUFACTURERS TECHNICIAN.

5) THE LIFE SAFETY SYSTEM IS A COMPLETELY SUPERVISED SYSTEM.

6) INSTALLING ELECTRICAL CONTRACTOR SHALL COORDINATE ALL FIELD CHANGES WITH THE FIRE ALARM CONTRACTOR INCLUDING CHANGES IN DEVICES, WIRE, CONDUIT RUNS AND OPERATION IN THE SYSTEM. FIRE ALARM CONTRACTOR SHALL NOT BE HELD RESPONSIBLE FOR UNDOCUMENTED CHANGES, OR THE RESULTS CAUSED BY THOSE CHANGES.

7) LIFE SAFETY AUDIBLE SHALL BE AUDIBLE THROUGHOUT THE SPACE AND SHALL HAVE A SOUND PRESSURE LEVEL NOT LESS THAN 15db ABOVE AMBIENT NOISE LEVEL MEASURED AT 4'0" ABOVE FINISHED FLOOR.

8) MAIN BUILDING FIRE ALARM & SUPPRESSION SYSTEMS SHALL BE CLASS "B" IN CONFIGURATION. PRE-ACTION & DELUGE ALARM SYSTEMS SHALL BE CLASS "A" IN CONFIGURATION. CLASS "A" APPLICATIONS SHALL MAINTAIN A MINIMUM SEPARATION OF 4 FEET BETWEEN FEED AND RETURN CIRCUITS.

9) LOCATE ALL PULL STATIONS AND HORN/STROBE UNITS AT SPECIFIED HEIGHTS PER NFPA 72 AND ADA SEE DETAIL SHEET.

10) SMOKE DETECTOR LOCATIONS ARE FOR REFERENCE ONLY AND SHALL BE INSTALLED PER NFPA 72. 11) ELECTRICAL CONTRACTOR SHALL COORDINATE ALL ROUGH-IN INSTALLATION WITH THE FIRE ALARM CONTRACTOR.

12) SMOKE DETECTORS ON CEILINGS MUST BE NO MORE THAN 15' FROM A WALL AND/OR NO MORE THAN 30' FROM EACH OTHER. REDUCED SPACING MAY ALSO BE REQUIRED. SEE PLAN DRAWINGS FOR PROJECT-SPECIFIC LOCATIONS.

13) ALL FIRE ALARM DEVICES SHALL BE RIGIDLY AND SECURELY FASTENED TO WALLS OR CEILINGS.

14) NO SMOKE DETECTOR SHALL BE LOCATED CLOSER THAN 36" TO ANY AIR REGISTER OR DIFFUSER.

15) NO HEAT DETECTOR SHALL BE LOCATED CLOSER THAN 24" TO ANY AIR REGISTER OR DIFFUSER.

16) NO HEAT DETECTOR SHALL BE LOCATED CLOSER THAN 36" TO ANY PART OF ANY HEAT GENERATING DEVICE (FUSES, BOILERS, WATER HEATERS, ETC.) IN MECHANICAL ROOMS.

17) NO HEAT DETECTOR SHALL BE LOCATED CLOSER THAN 18" TO ANY PART OF ANY LIGHT FIXTURE.

18) INITIATING AND SIGNALING CIRCUITS ARE SEPARATE YET MAY BE RUN IN SAME CONDUIT.

19) ALL CONDUCTORS SHALL BE LABELED BY ZONE AND ALL COLOR CODES SHALL MATCH.

20) DEVICES THAT ARE UNABLE TO BE INSTALLED PERMANENTLY DURING BUILDING CONSTRUCTION ARE REQUIRED TO ALLOW DEVICES AND CIRCUIT CONDUCTORS TO BE PERMANENTLY INSTALLED. THIS INCLUDES ALL CIRCUITS (SPEAKER CIRCUITS, STROBE CIRCUITS, ADDRESSABLE LOOP CIRCUITS, 24VDC CIRCUITS, FIREFIGHTERS TELEPHONE CIRCUITS, ETC.)

21) THESE DRAWINGS DO NOT SUPERSEDE THE CONTRACT DRAWINGS AND SPECIFICATIONS. THEY ARE INTENDED AS A SUPPLEMENT ONLY AND MUST BE USED IN CONJUNCTION WITH THE CONTRACT DOCUMENTS. THEY DO NOT MODIFY THE CONTRACTORS OBLIGATIONS TO CONFORM TO THE PROJECTS ORIGINAL DESIGN CRITERIA.

FIRE ALARM SYMBOL LEGEND

SYMBOL	QTY	DESCRIPTION	MODEL #	BACKBOX/DIMENSIONS
NAC	1	REMOTE BOOSTER POWER SUPPLY	BPS6A (6.5AMP) BPS10 (10AMP)	13"L X 17"H X 3.375"D
CC1S	1	SYNCHRONIZATION OUTPUT MODULE	SIGA-CC1S	2 1/2" DEEP 2-GANG BOX W/ COVER
CR	1	CONTROL RELAY MODULE	SIGA-CR	2 1/2" 1-GANG BOX W/ COVER
	1	PHOTOELECTRIC SMOKE DETECTOR	SIGA2-PS SIGA-SB (BASE)	4" OCTAGON BOX, 1 1/2" DEEP
	14	STROBE	GC-VM	4" SQ BOX 2 1/8" DEEP CEILING MOUNTED
	22	HORN/STROBE	GC-HDVM	4" SQ BOX 2 1/8" DEEP CEILING MOUNTED
J	N/A	ELECTRICAL JUNCTION BOX	BY OTHERS	BY OTHERS

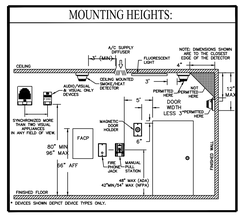
CABLE LEGEND:

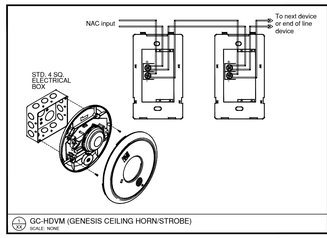
ALL WIRING AND INSTALLATION METHODS SHALL BE IN COMPLIANCE WITH CURRENT RELEVANT NATIONAL ELECTRICAL CODE ARTICLES AND RELATED SECTION CODE REQUIREMENTS.

WIRING INSTALLATION NOTES:
* LABEL ALL ZONE WIRES WITH ZONE NUMBER TAG AND DESCRIPTION.
* LABEL ALL SIGNAL CIRCUIT WIRES WITH SIGNAL CIRCUIT NUMBER TAG AND DESCRIPTION.
* LABEL ALL NETWORK, ANNUNCIATOR AND I/O CONTROL CIRCUIT WIRING WITH CIRCUIT NUMBER TAG AND DESCRIPTION.
* VERIFY WITH OWNER AND GENERAL CONTRACTOR THAT OPEN CABLE IS ALLOWED ON SPECIFIC SITE.
* VERIFY WITH OWNER AND GENERAL CONTRACTOR FOR ANY SPECIFIC SITE REQUIREMENTS FOR ELECTRICAL INSTALLATION OF WIRING.

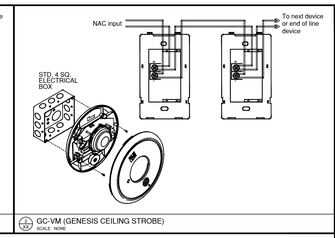
Letter	Qty	Open Wiring Cable Type	Conduit Wiring Cable Type	Size	Function
C	3 Pair	FPLP1-Red/Blk	Red/Blue THHN	14	Horn / Strobe
D	2 Pair	FPLP1-Red/Blk	Red/Blue THHN	14	Horn / Strobe Loop
F	2 Pair	FPLP1-Red/Blk	Red/Black THHN	14	24VDC Power
S	1 Pair	Twisted FPLP1-Red/Blk	Red/Yellow	16	Signature Data Line

MOUNTING HEIGHTS:

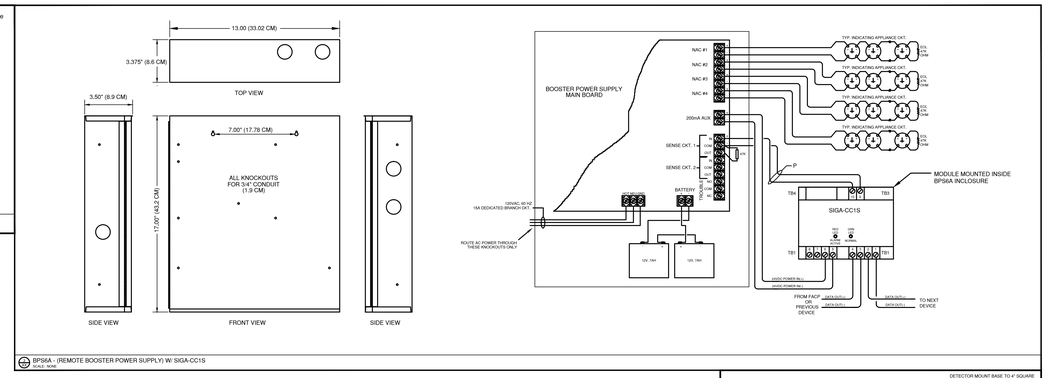




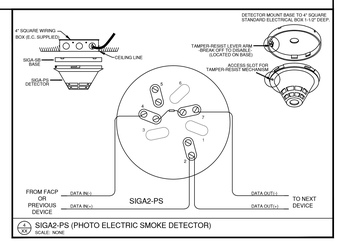
GC-HDVM (GENESIS CEILING HORN/STROBE)
SCALE: NONE



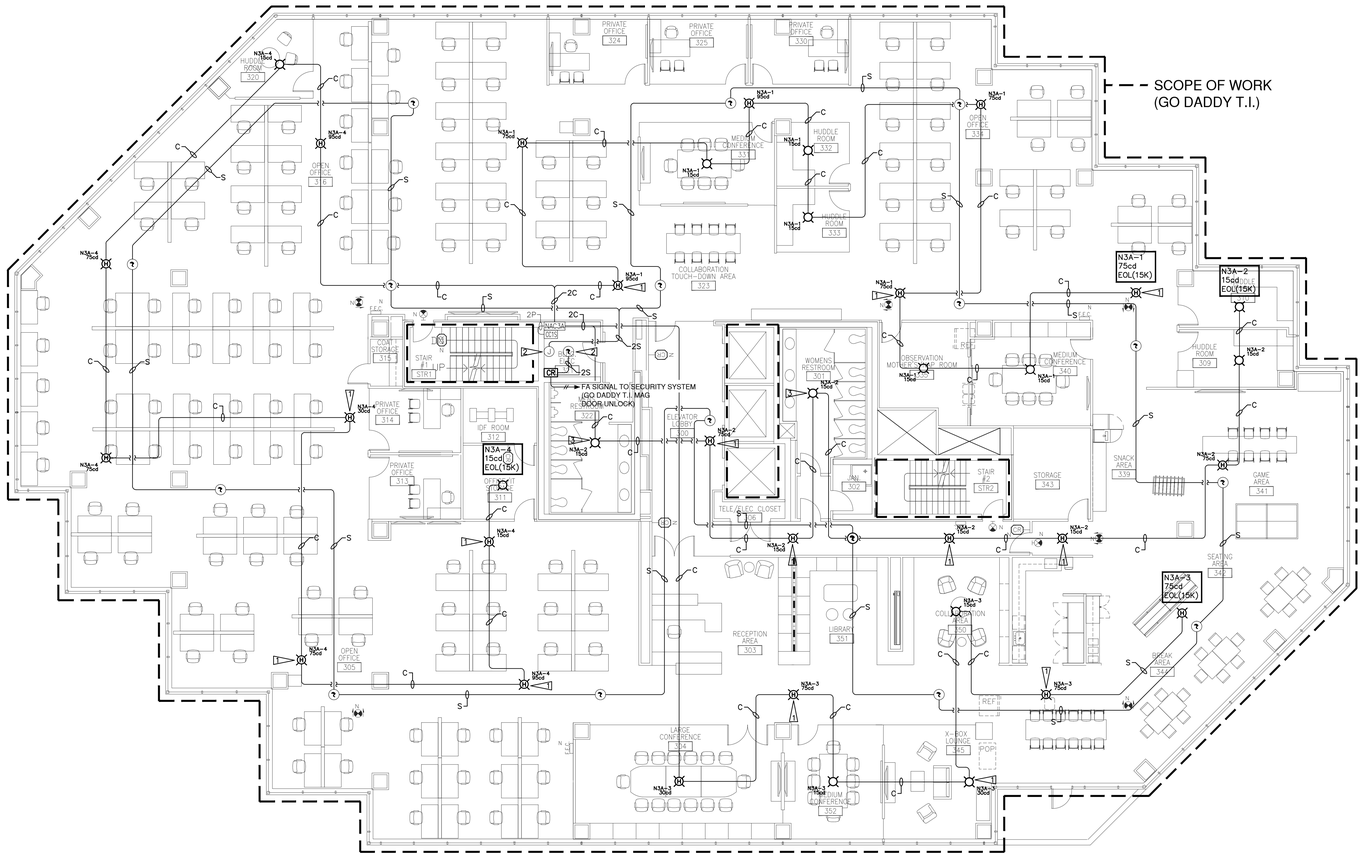
GC-VM (GENESIS CEILING STROBE)
SCALE: NONE



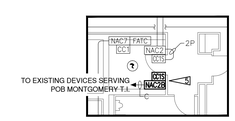
BPS6A - (REMOTE BOOSTER POWER SUPPLY) W/ SIGA-CC1S
SCALE: NONE



SIGA2-PS (PHOTO ELECTRIC SMOKE DETECTOR)
SCALE: NONE



3RD FLOOR - GO DADDY T.I.
SCALE: 1/8"=1'-0"



2ND FLOOR ELECTRICAL ROOM
SCALE: 1/8"=1'-0"

VOLTAGE DROPS - NAC PANELS

Part Description:	15cd STROBE	30cd STROBE	15cd HORN-STROBE	30cd HORN-STROBE	75cd HORN-STROBE	95cd HORN-STROBE					
Part #	GC-VM	GC-VM	GC-HDVM	GC-HDVM	GC-HDVM	GC-HDVM					
Current (mA)	0.07400	0.1080	0.0910	0.1240	0.2190	0.2570	Circuit #	Description	Current (Amps)	Distance (Feet)	Voltage Drop
5			4	2			N3A-1	3RD FLOOR - GO DADDY T.I. - HORN/STROBES	1.760	325	2.889
4	3		2				N3A-2	3RD FLOOR - GO DADDY T.I. - HORN/STROBES	1.007	311	1.582
2	1		1	3			N3A-3	3RD FLOOR - GO DADDY T.I. - HORN/STROBES	1.037	332	1.739
2	1	1	3	2			N3A-4	3RD FLOOR - GO DADDY T.I. - HORN/STROBES	1.534	367	2.843
							N3A-AUX	SPARE	0.000		0.000
Total:	13	1	4	2	12	4		Total Current Draw for Nac #3A -	5.338		
								Capacity Used -	82.123%		

NAC3A PANEL BATTERY CALCULATIONS

Project Name: GO DADDY T.I.
Project Number: 301-FN-E152
Power Supply Model #: BPS6-A (EXISTING)
Location: 3RD FLOOR ELECTRICAL ROOM 321

Total Standby:	0.0700	Total Alarm:	5.3380	
Total Standby Current Required =	0.0700	x	Time(Hours) 24	1.6800
Total Alarm Current Required =	5.3380	x	Time (Minutes) 0.0833	0.4447
Total Standby & Current =				2.1247
20% Depletion Factor =				0.4249
Total Amp/Hour Required =				2.5496
Total Amp/Hour Batteries Required =				7.0000

Qty	Part Number	Description	Standby Current (A)	Total Standby (A)	Alarm Current (A)	Total Alarm (A)
POWER SUPPLY						
1		NAC PANEL	0.0700	0.0700	0.2700	0.2700
GENESIS STROBE - CEILING MOUNTED						
13	GC-VM	15cd STROBE	0.0000	0.0000	0.0740	0.9620
1	GC-VM	30cd STROBE	0.0000	0.0000	0.1080	0.1080
GENESIS HORN-STROBE - CEILING MOUNTED						
4	GC-HDVM	15cd HORN-STROBE	0.0000	0.0000	0.0910	0.3640
2	GC-HDVM	30cd HORN-STROBE	0.0000	0.0000	0.1240	0.2480
12	GC-HDVM	75cd HORN-STROBE	0.0000	0.0000	0.2190	2.6280
4	GC-HDVM	95cd HORN-STROBE	0.0000	0.0000	0.2570	1.0280

FLAG NOTES:

1. PENDANT MOUNT DEVICE SAME HEIGHT AS LOWEST OBSTRUCTION.
2. SPLICE EXISTING WIRING AT DEVICE FOR CONNECTION OF NEW WIRING FOR ADDITIONAL DEVICES AND MAINTAIN CIRCUIT INTEGRITY. ("T-TAPPING IS NOT ALLOWED")
3. REPLACE EXISTING DEVICE WITH NEW.
4. EXISTING DEVICE TO BE RE-USED.
5. SWITCH EXISTING CIRCUIT (N3-3 & N3-4) FROM EXISTING NAC LOCATED ON THE 3RD FLOOR TO NEW NAC (NAC2B) LOCATED ON THE 2ND FLOOR.

Convergint TECHNOLOGIES
450 Shattuck Avenue South, Renton, Washington 98057
Phone: 425-272-2250 Fax: 425-251-0949

This document and the information/depictions contained/shown is the exclusive property of Convergint Technologies LLC and shall be handled as proprietary and confidential information and must be returned upon request. This document cannot be reproduced by any means without the written authorization of Convergint Technologies LLC.

DOCUMENTATION AVAILABLE TO CONVERGINT TECHNOLOGIES

DOCUMENTATION: JPC ARCHITECTS
DRAWING SHEETS: I-5.3
DRAWING DATE: 01 / 23 / 15

FINAL REVIEW DONE BY:

REV	DESCRIPTION	DATE	APPROVED
0	ISSUED FOR PERMIT	4-6-15	

DRAWN BY:	ALDRICH B.
PROJECT ENGINEER:	JAY B.
PROJECT MANAGER:	GLENN S.
JOB NUMBER:	301-FN-E152 (301-FN-3184)
SCALE: 1/8" = 1'-0"	DATE:

GO DADDY T.I. @
CARILLON POINT BUILDING 3000
3000 CARILLON POINT
KIRKLAND, WA 98033

3RD FLOOR PLAN

FIRE ALARM SYSTEM

DRAWING:

FA-3.0

KIRKLAND FIRE
JChappell
04/17/2015