

ELECTRICAL SYMBOLS - FIRE ALARM PLAN

	ALARM, FIRE, CONTROL PANEL
	ALARM, FIRE, CONTROL PANEL AND ANNUNCIATOR
	ALARM, FIRE, BATTERY CABINET
	ALARM, FIRE, MANUAL PULL STATION
	DETECTOR, SMOKE
	DETECTOR, HEAT, COMBINATION RATE/RISE AND FIXED 135 DEG. F.
	ALARM, INITIATING DEVICE MONITORING MODULE
	ALARM, CONTROL RELAY MODULE
	ELECTROMAGNETIC DOOR HOLDER
	DETECTION SWITCH, VALVE SUPERVISORY
	DETECTION SWITCH, FLOW ALARM
	ALARM, SPEAKER/LIGHT, ONE ASSEMBLY
	ALARM, LAMP LIGHT, SIGNAL LIGHT, STROBE
	ALARM, SPEAKER

GENERAL NOTES

1. VERIFY LOCATION AND CONNECTIONS REQUIREMENTS FOR EQUIPMENT PROVIDED BY OTHER TRADES PRIOR TO ROUGH-IN.
2. COORDINATE CEILING MOUNTED LIGHTS AND DEVICES WITH CEILING CONTRACTOR AND INSTALL AS SHOWN ON THE REFLECTED CEILING PLANS.
3. COORDINATE ALL DIMENSIONS & WIRING REQUIREMENTS ON ALL PRE-PURCHASED EQUIPMENT WITH FINAL APPROVED SHOP DWGS.
4. FIRE SEAL ALL CONDUIT PENETRATIONS THROUGH FIRE RATED WALLS & SLABS. SEAL FIRE RATING SHALL BE EQUAL TO OR GREATER THAN THE FIRE RATING OF THE WALL OR SLAB THROUGH WHICH THE CONDUIT PASSES.
5. COORDINATE THE LOCATION AND MOUNTING HEIGHTS OF DEVICES AND APPLIANCES WITH ARCHITECTURAL FLOOR PLANS AND ELEVATION DRAWINGS.
6. PROVIDE BOXES AND RACEWAYS FOR FIRE ALARM SYSTEM. INSTALLATION SHALL COMPLY WITH COMMERCIAL BUILDING STANDARD FOR TELECOMMUNICATION PATHWAYS AND SPACES, ANSI/TIA/EIA-568-A.

GENERAL NOTES - DEMOLITION

- A. EXISTING FIRE ALARM DEVICES, CONDUITS, ETC., SHOWN TO BE DEMOLISHED ON PLANS TO BE REMOVED COMPLETELY. MAINTAIN CONTINUITY OF FIRE ALARM CIRCUITS ENTERING THE BOUNDARIES OF THE WORK ZONES TO MAINTAIN THE OPERABILITY OF FIRE ALARM DEVICES AND CIRCUITS OUTSIDE OF THE WORK ZONES.
- B. COORDINATE WITH OWNER TO SCHEDULE DEMOLITION WORK ON THE FIRE ALARM SYSTEM BEFORE DISTURBING FIRE FIRE ALARM DEVICES OR CIRCUITS.

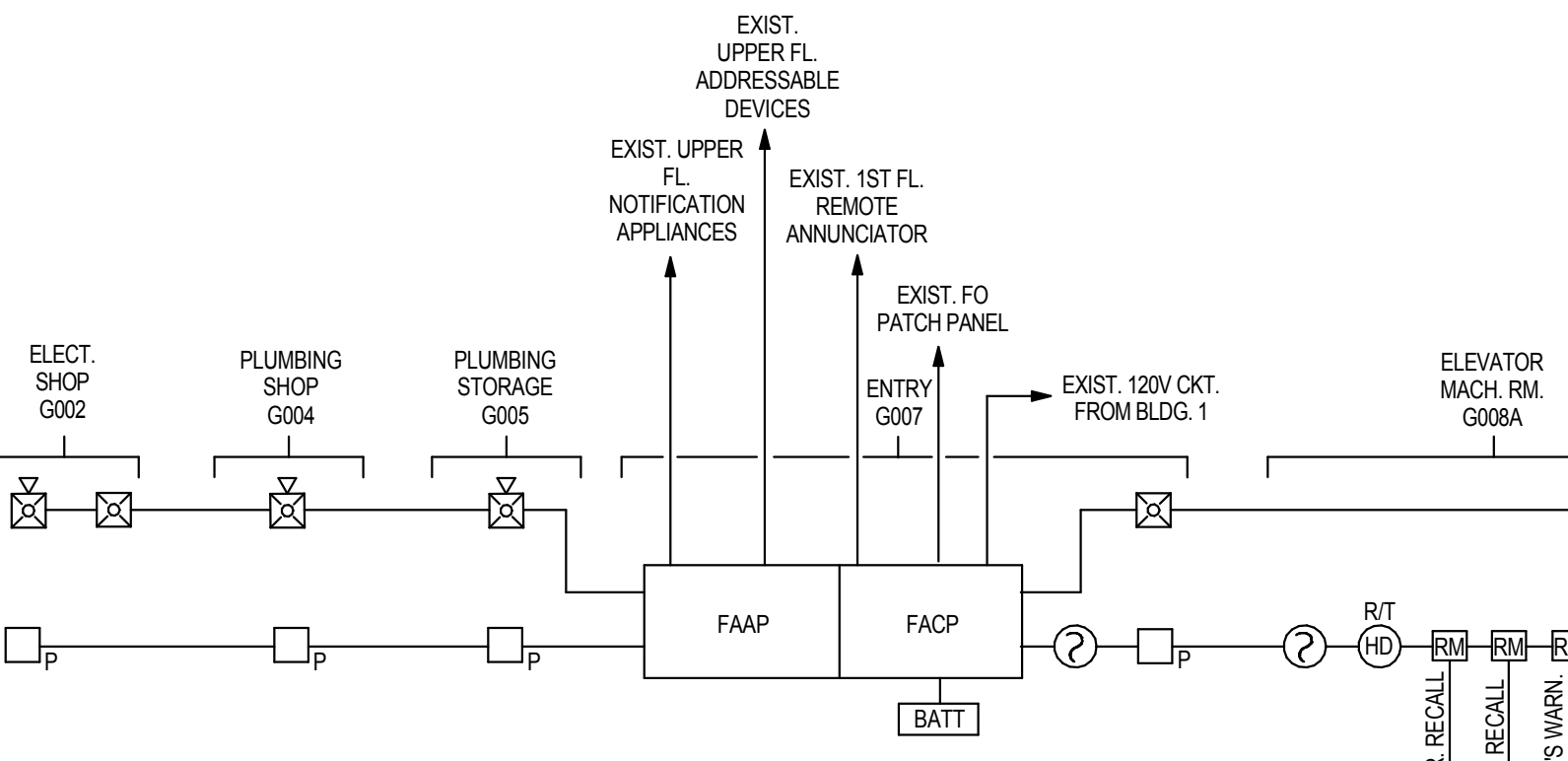
FIRE ALARM INPUT/OUTPUT MATRIX

ALARM / SUPERVISORY INPUTS	NOTIFICATION / CONTROL OUTPUTS							
	1. SOUND GENERAL BUILDING ALARM FOR OTHER AND HIGH RISE (NON-HEALTH CARE)	2. NOTIFY NECESSARY STAFF FOR RESPONSE FOR HIGH RISE (NON-HEALTH CARE) (FIRE ALARM SIGNAL MAY BE DIFFERENT ON DIFFERENT FLOORS)	3. NOTIFY FIRE DEPARTMENT	4. INITIATE SUPERVISORY SIGNAL TO 24-HOUR MANED POINT FOR IMMEDIATE RESPONSE	5. CLOSE ASSOCIATED SMOKE BARRIER DOORS ON THE FLOOR	6. RECALL ELEVATOR TO MAIN LANDING FLOOR OR FLOOR BELOW FLOOR ORIGIN	7. INITIATE ELEVATOR SHUTDOWN AND DISCONNECT ELEVATOR POWER	8. OPEN LOCKED EGRESS DOORS ON THE FLOOR OF FIRE ORIGIN
AREA SMOKE DETECTOR	X	X	X					X
DOOR RELEASE SMOKE DETECTOR	X	X	X			X		X
ELEVATOR SMOKE DETECTOR	X	X	X			X		
MANUAL PULL STATION	X	X	X		X			X
ELEVATOR MACHINE ROOM / HOISTWAY HEAT DETECTOR	X	X	X				X	
ELEVATOR SHUNT-TRIP POWER FAILURE				X				
SPRINKLER WATERFLOW / ALARM PRESSURE SWITCH	X	X	X		X			X
SPRINKLER CONTROL VALVE SUPERVISORY SWITCH				X				

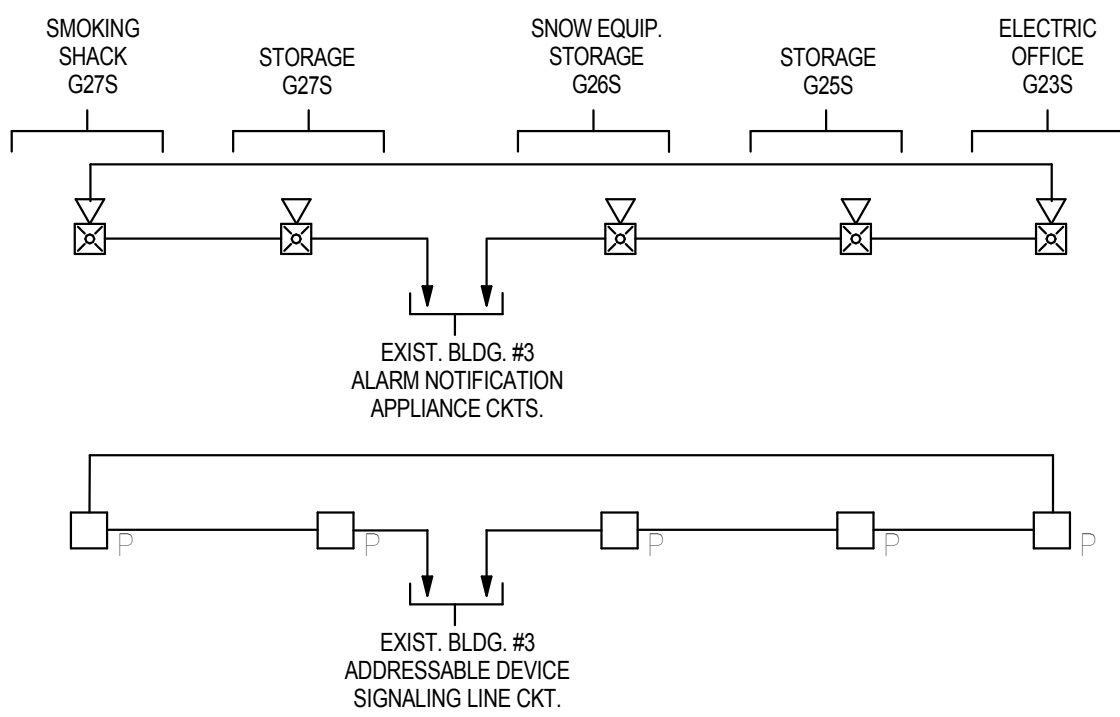
FIRE ALARM ABBREVIATIONS

A/E	ARCHITECT/ENGINEER	FA	FIRE ALARM	OC	ON CENTER
ADDL	ADDITIONAL	FAAP	FIRE ALARM ANNUNCIATOR PANEL	OD	OUTSIDE DIAMETER
ADJ	ADJACENT, ADJOINING	FABX	FIRE ALARM BOX		
AF	ABOVE FINISHED FLOOR	FACP	FIRE ALARM CONTROL PANEL		
AFG	ABOVE FINISHED GRADE	FLEX	FLEXIBLE METALLIC CONDUIT		
AHL	AUTHORITY HAVING JURISDICTION	FP	FIRE PROTECTION		
ARCH	ARCHITECT	FT	FEET OR FOOT		
AUTO	AUTOMATIC				
		GND	GROUND		
BAT	BATTERY				
BLDG	BUILDING	HT	HEIGHT		
		HZ	HERTZ		
C	CONDUIT	ID	INSIDE DIAMETER		
CAB	CABINET	IDC	INITIATING DEVICE CIRCUIT		
CALC	CALCULATION	IMC	INTERMEDIATE METAL CONDUIT		
CAP	CAPACITY				
CD	CONSTRUCTION DOCUMENTS	J-BOX	JUNCTION BOX		
CF	CONTRACTOR FURNISHED				
CF/CI	CONTRACTOR FURNISHED/CONTRACTOR INSTALLED	LF	LINEAR FEET (FOOT)		
CF/OI	CONTRACTOR FURNISHED/OWNER INSTALLED				
CFE	CONTRACTOR FURNISHED EQUIPMENT	MAX	MAXIMUM		
CKT	CIRCUIT	MC	METAL-CLAD		
CLG	CEILING	MECH	MECHANICAL		
COMM	COMMUNICATION	MH	MANHOLE		
CONT	CONTINUE	MIN	MINIMUM	TEL	TELEPHONE
CONTR	CONTRACTOR	MT	MOUNT	TP	TWISTED PAIR
COORD	COORDINATE	MTD	MOUNTED	TPS	TWISTED PAIR SHIELDED
CU	COPPER	MTG	MOUNTING	TYP	TYPICAL
CU FT	CUBIC FEET				
CUR	CURRENT	NA	NOT APPLICABLE	UL	UNDERWRITERS LABORATORY
		NAC	NOTIFICATION APPLIANCE CIRCUIT	UN	UNLESS OTHERWISE NOTED
DB	DECIBEL	NC	NORMALLY CLOSED	UPS	UNINTERRUPTIBLE POWER SUPPLY
DC	DIRECT CURRENT	NEC	NATIONAL ELECTRICAL CODE	UTIL	UTILITY
DEG F	DEGREES FAHRENHEIT				
DEMO	DEMOLITION	NFASC	NATIONAL FIRE ALARM AND SIGNALING CODE	V	VOLT
DIAG	DIAGRAM	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	VA	VOLT AMPERE
DISC	DISCONNECT	NO	NORMALLY OPEN	VFD	VARIABLE FREQUENCY DRIVE
DN	DOWN	NTS	NOT TO SCALE	VOLT	VOLTAGE
DWG	DRAWING				
				W	WATT
EG	EQUIPMENT GROUND	OC	ON CENTER	WP	WEATHERPROOF
ELEC	ELECTRICAL	OD	OUTSIDE DIAMETER		
ELEV	ELEVATOR				
EMER	EMERGENCY	PED	PEDESTAL		
EMT	ELECTRICAL METALLIC TUBING	PEND	PENDANT		
ENCL	ENCLOSURE	PNL	PANEL		
EPFR	EXPLOSION PROOF	PWR	POWER		
EXIST	EXISTING				

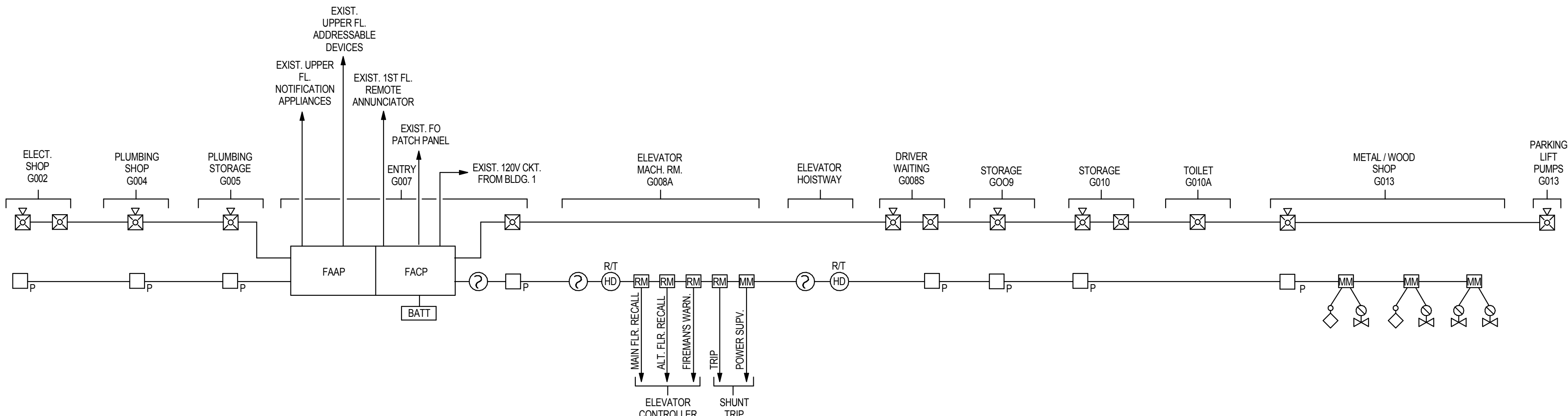
BLDG. #1 FIRE ALARM RISER DIAGRAM



BLDG. #3 FIRE ALARM RISER DIAGRAM



BLDG. #2 FIRE ALARM RISER DIAGRAM



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01/17/2014



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Drawing Title

FIRE ALARM SYMBOL LIST, GENERAL  
NOTES, ABBREVIATIONS & RISER DIAGRAMS

Approved: Project Director

Project Title

VA NY HARBOR HEALTHCARE  
SYSTEM MANHATTAN CAMPUS /  
PHASE IA

Location

423 E 23RD STREET, NEW YORK, NY 10010

Date

01/20/2013

Checked

DP

Drawn

KS

Project Number

216714

Building Number

1 & 2

Drawing Number

FA0001

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Office of  
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and Facilities  
Management



U.S. Department  
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