

ROOMS 101 FIRE SUPPRESSION MATRIX

INITIATION EVENT	SYSTEM RESPONSE											
	YELLOW STROBE	AUDIBLE WARNING (PULSED)	RED STROBE	AUDIBLE WARNING (CONTINUOUS)	AGENT IS DISPENSED	AGENT IS DISPENSED AFTER 45 SECONDS	HVAC UNITS IN ROOM TURN OFF	HVAC DUCTS ENTERING OR LEAVING ROOM SEAL	UPS UNITS IN ROOM TURN OFF	BUILDING FIRE SYSTEM ALARM SOUNDS EVACUATION SIGNAL	SYSTEM AUTODIALS CAMPUS FIRE DEPARTMENT	SYSTEM IS ABORTED
FIRST DETECTOR ZONE SENSES SMOKE	X	X										
SECOND DETECTOR ZONE SENSES SMOKE			X	X	X	X	X	X	X	X	X	X
SYSTEM MANUAL PULL STATION IS ACTIVATED			X	X	X	X	X	X	X	X	X	X
SYSTEM ABORT SWITCH IS ACTIVATED												X
KEYED MAINTENANCE SWITCH IS ACTIVATED												X
SYSTEM MANUAL PULL STATION IS ACTIVATED AFTER ABORT SWITCH IS ACTIVATED			X	X	X	X	X	X	X	X	X	X

ROOMS 100C FIRE SUPPRESSION MATRIX

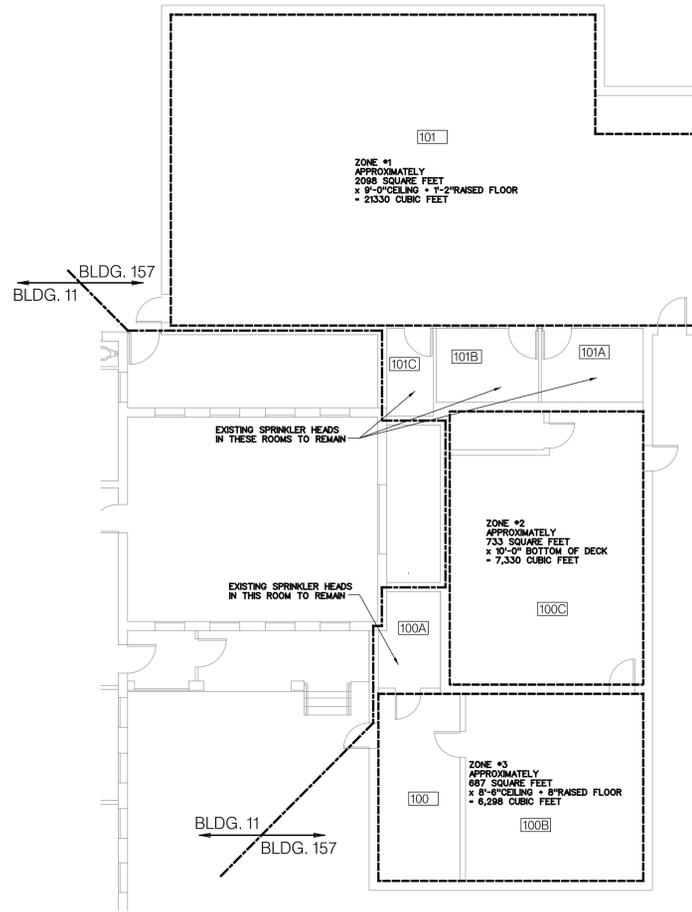
NOTES:
1. THE HVAC AND UPS UNITS IN ROOM 100C ALSO SERVE ROOM 100B.

INITIATION EVENT	SYSTEM RESPONSE											
	YELLOW STROBE	AUDIBLE WARNING (PULSED)	RED STROBE	AUDIBLE WARNING (CONTINUOUS)	AGENT IS DISPENSED	AGENT IS DISPENSED AFTER 45 SECONDS	HVAC UNITS IN ROOM TURN OFF	HVAC DUCTS ENTERING OR LEAVING ROOM SEAL	UPS UNITS IN ROOM TURN OFF	BUILDING FIRE SYSTEM ALARM SOUNDS EVACUATION SIGNAL	SYSTEM AUTODIALS CAMPUS FIRE DEPARTMENT	SYSTEM IS ABORTED
FIRST DETECTOR ZONE SENSES SMOKE	X	X										
SECOND DETECTOR ZONE SENSES SMOKE			X	X	X	X	X	X	X	X	X	X
SYSTEM MANUAL PULL STATION IS ACTIVATED			X	X	X	X	X	X	X	X	X	X
SYSTEM ABORT SWITCH IS ACTIVATED												X
KEYED MAINTENANCE SWITCH IS ACTIVATED												X
SYSTEM MANUAL PULL STATION IS ACTIVATED AFTER ABORT SWITCH IS ACTIVATED			X	X	X	X	X	X	X	X	X	X

ROOMS 100 & 100B FIRE SUPPRESSION MATRIX

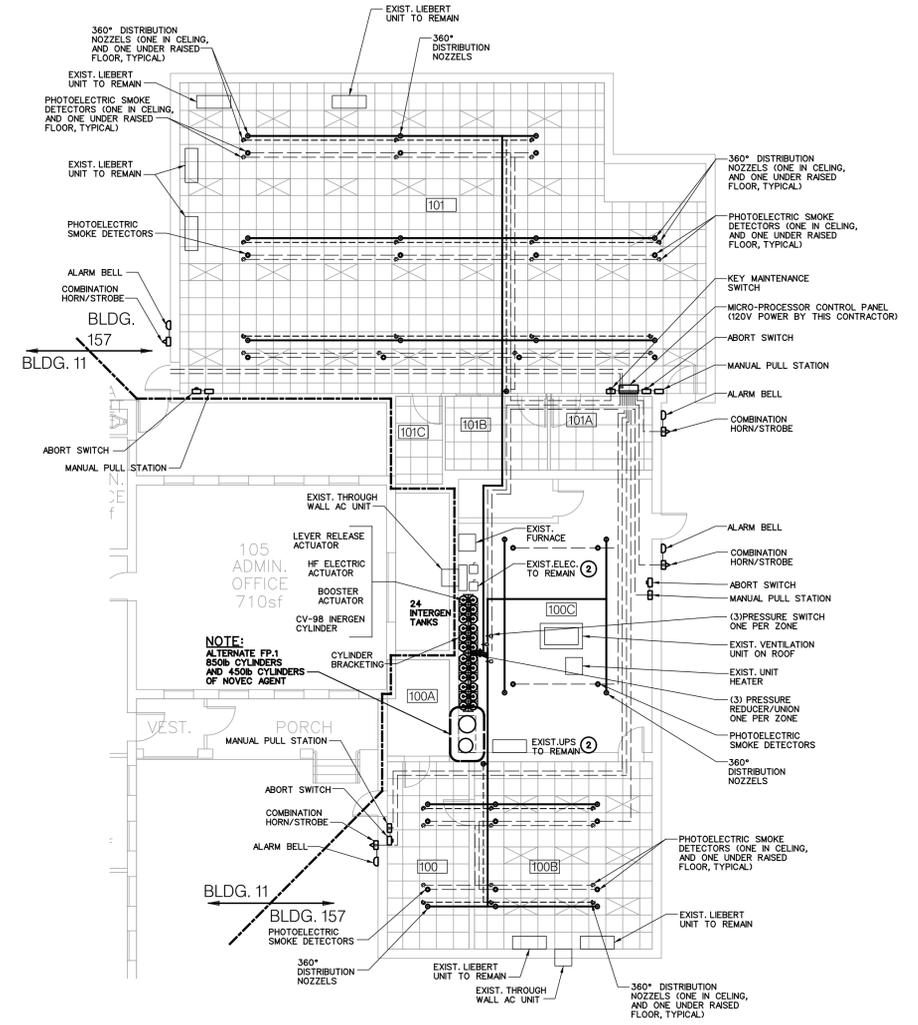
NOTES:
1. THE UPS AND HVAC UNITS LOCATED IN ROOM 100C SERVE ROOM 100B.

INITIATION EVENT	SYSTEM RESPONSE											
	YELLOW STROBE	AUDIBLE WARNING (PULSED)	RED STROBE	AUDIBLE WARNING (CONTINUOUS)	AGENT IS DISPENSED	AGENT IS DISPENSED AFTER 45 SECONDS	HVAC UNITS IN ROOM TURN OFF	HVAC DUCTS ENTERING OR LEAVING ROOM SEAL	UPS UNITS IN ROOM TURN OFF	BUILDING FIRE SYSTEM ALARM SOUNDS EVACUATION SIGNAL	SYSTEM AUTODIALS CAMPUS FIRE DEPARTMENT	SYSTEM IS ABORTED
FIRST DETECTOR ZONE SENSES SMOKE	X	X										
SECOND DETECTOR ZONE SENSES SMOKE			X	X	X	X	X	X	X	X	X	X
SYSTEM MANUAL PULL STATION IS ACTIVATED			X	X	X	X	X	X	X	X	X	X
SYSTEM ABORT SWITCH IS ACTIVATED												X
KEYED MAINTENANCE SWITCH IS ACTIVATED												X
SYSTEM MANUAL PULL STATION IS ACTIVATED AFTER ABORT SWITCH IS ACTIVATED			X	X	X	X	X	X	X	X	X	X



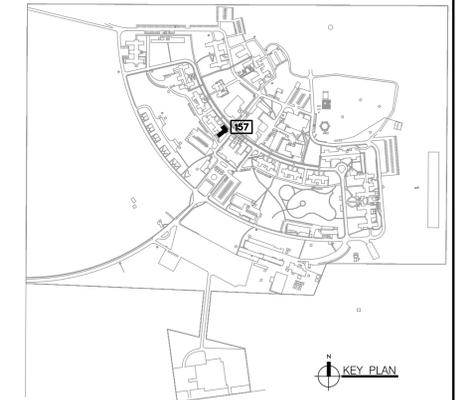
**FIRE PROTECTION ZONING PLAN
BUILDING 157 IT AREA**
SCALE: 1/4" = 1'-0"

NOTE:
1. THESE DRAWING ARE DIAGRAMMATIC IN NATURE. THE FIRE PROTECTION CONTRACTOR IS REMINDED THAT THEY ARE RESPONSIBLE FOR THE FINAL DESIGN OF THE SYSTEM, INCLUDING PIPE SIZING AND LOCATION. THE CONTRACTOR IS FURTHER EXPECTED TO VISIT THE SITE TO VERIFY THE CONDITIONS UNDER WHICH THE WORK SHALL BE PERFORMED.
2. FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THEIR WORK WITH ALL OTHER TRADES.



**FIRE PROTECTION PLAN
BUILDING 157 IT AREA**
SCALE: 1/8" = 1'-0"

- NOTES:**
- ALL ELECTRICAL DEVICES SHALL BE SUPPLIED AND INSTALLED BY THE FIRE PROTECTION CONTRACTOR.
 - MOUNT TANKS TO AVOID EXISTING ELECTRICAL EQUIPMENT.
 - COORDINATE OPERATION OF MOTORIZED DAMPERS WITH INTERGEN CONTROL PANEL.
 - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROPERLY SEAL ALL NEW PIPE AND CONDUIT PENETRATIONS IN WALLS OF THE SUPPRESSED ROOMS.



OUT FOR BIDS

COMPREHENSIVE ENGINEERING <small>4533 Platfield Avenue, NE Grand Rapids, MI 49505 Phone (616) 365-9331 Fax (616) 365-9333 CE #10087</small>	APPROVED: DIRECTOR	APPROVED: CHIEF, IMS	APPROVED: CHIEF, PROJECT SECTION	VA PROJECT NAME: Information Management Safety & Security Upgrades	DRAWING TITLE: FIRE PROTECTION PLANS	DEPARTMENT OF VETERANS AFFAIRS	
	APPROVED: ASSOCIATE DIRECTOR	APPROVED: PROTECTIVE SERVICE	APPROVED:	DATE: 23 MAR 11	VA PROJECT NUMBER: 515-10-120		
	APPROVED: CHIEF OF STAFF	APPROVED: INDUSTRIAL HYGIENIST	APPROVED:	FLIGHT SCALE: 1/8" = 1'-0"	BUILDING NUMBER: 157		AVE PROJECT NUMBER: 10087
	APPROVED: CHIEF, FACILITIES MANAGEMENT SERVICE	APPROVED: SAFETY MANAGER	APPROVED:	LOCATION: BATTLE CREEK VAMC	DWG NUMBER: F2		OF 11