

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 | N/A | X | X | X | | |
| SYSTEM MANUAL PULL STATION IS ACTIVATED | | | X | X | X | X | N/A | 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 |

ROOMS 100C FIRE SUPPRESSION MATRIX

NOTES

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

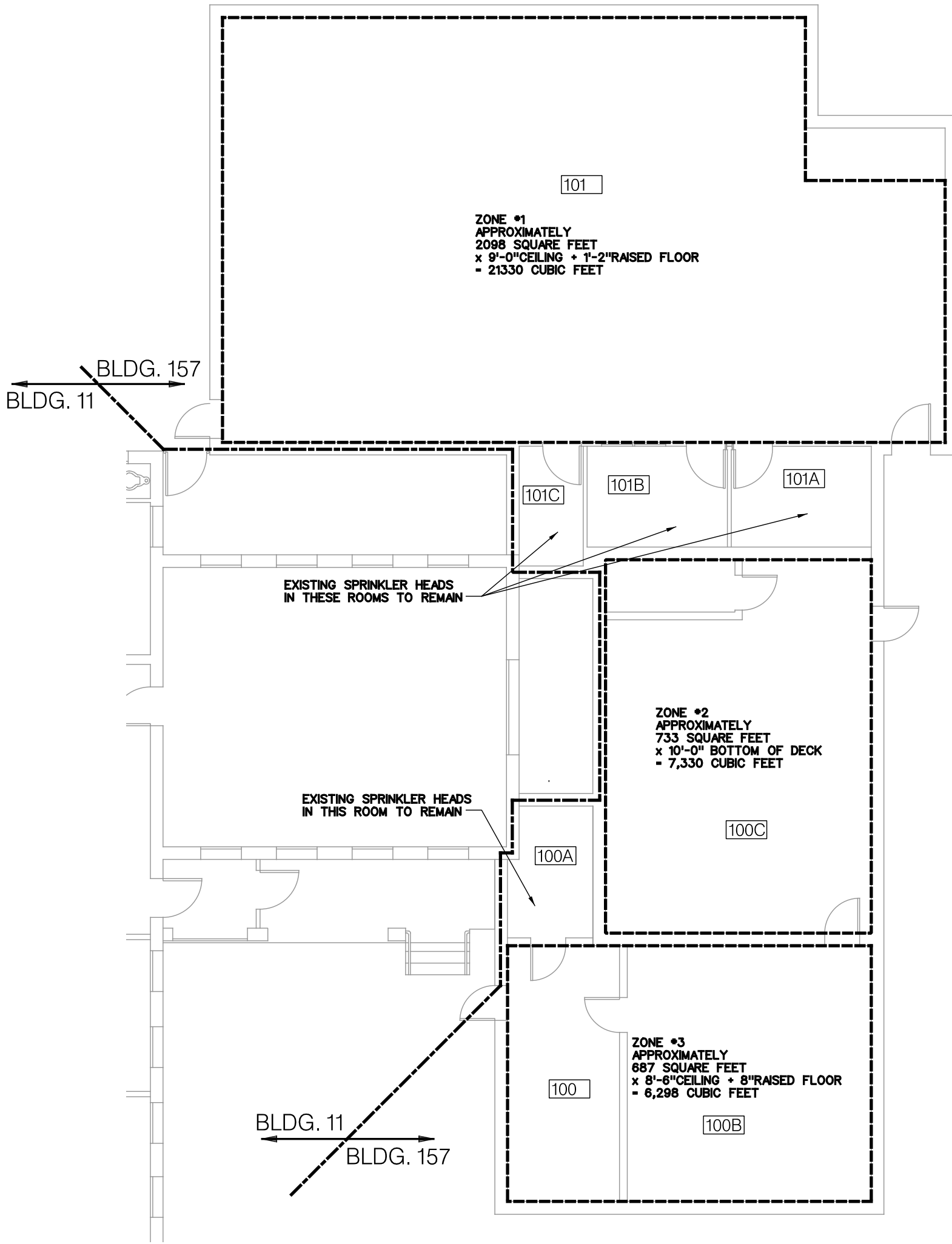
| INITIATION EVENT | SYSTEM RESPONSE | | | | | | | | | | | |
|---|-----------------|--------------------------|------------|------------------------------|--------------------|-------------------------------------|-----------------------------|--|----------------------------|---|---|-------------------|
| | 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 | | |
| SYSTEM MANUAL PULL STATION IS ACTIVATED | | | 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 |

ROOMS 100 & 100B FIRE SUPPRESSION MATRIX

NOTES

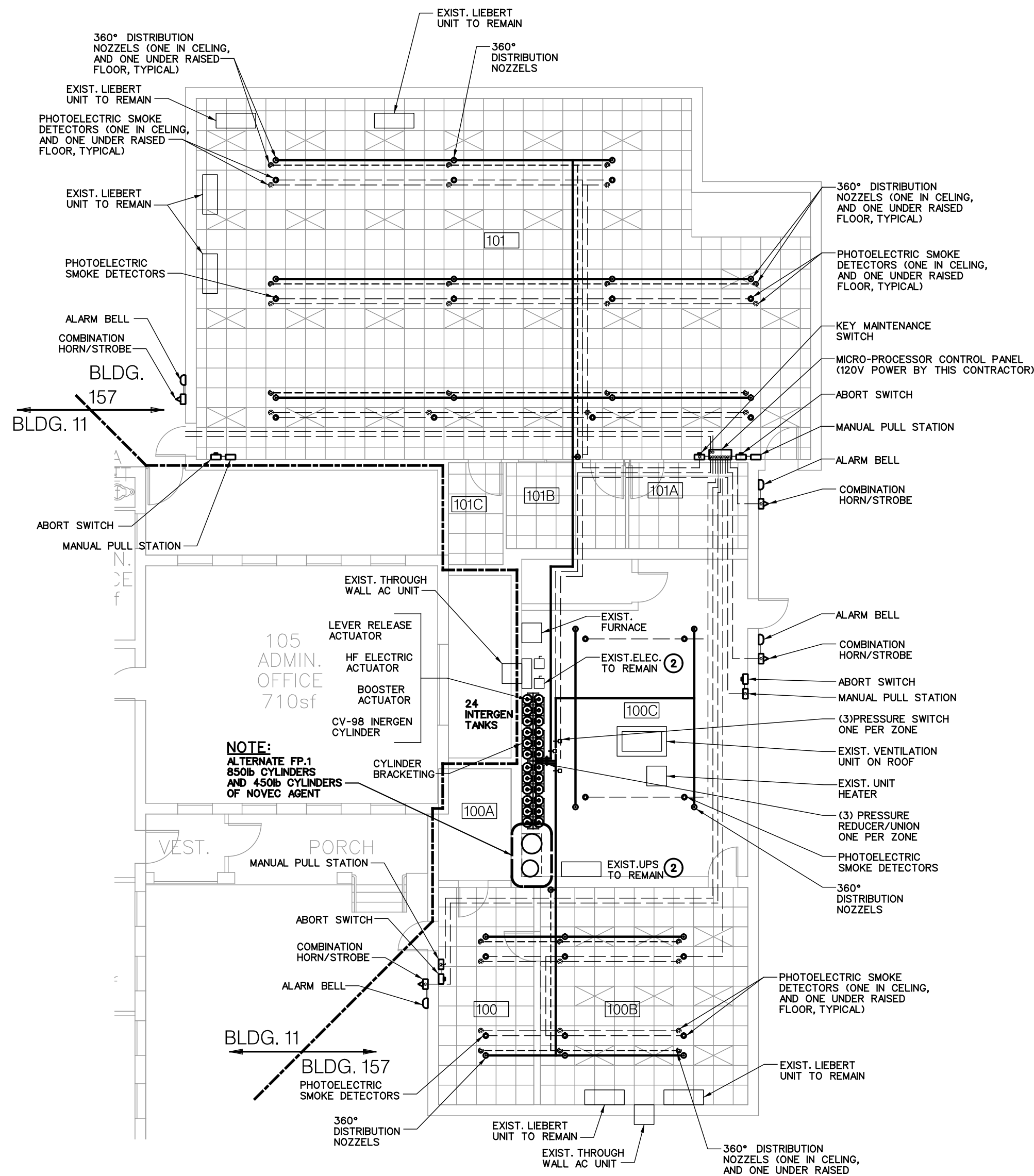
1. THE UPS AND HVAC UNITS LOCATED IN ROOM 100C SERVE ROOM 100B.

| 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 | | |
| SYSTEM MANUAL PULL STATION IS ACTIVATED | | | 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 |



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

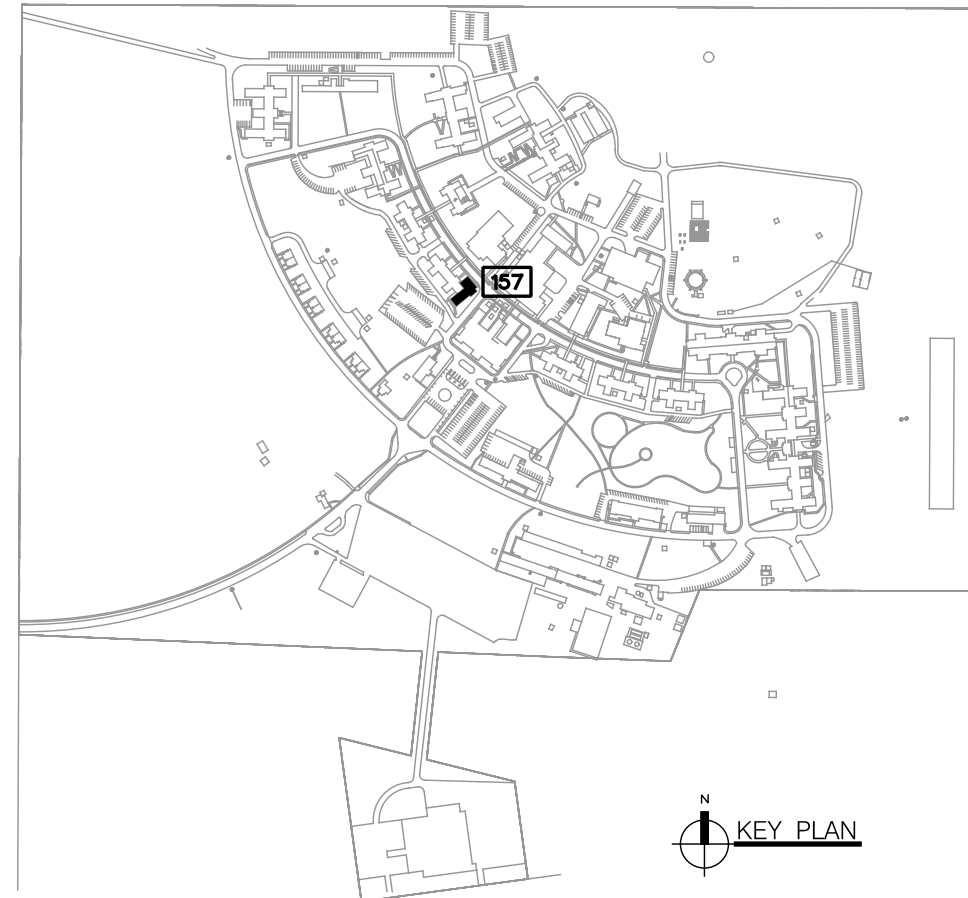
NOTE:
1. THESE DRAWING ARE DIAGRAMMATIC IN NATURE. THE FIRE PROTECTION CONTRACTOR IS REMINDED THAT THEY ARE RESPONSIBLE FOR THE FINAL DESIGN OF THE SYSTEM INCLUDING PIPE SIZING AND LOCATION. THE CONTRACTOR IS FURTHER EXPECTED TO VISIT THE SITE TO VERIFY THE CONDITIONS UNDER WHICH THE WORK SHALL BE PERFORMED.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

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APPROVED: DIRECTOR

APPROVED: ASSOCIATE DIRECTOR

APPROVED: CHIEF OF STAFF

APPROVED: CHIEF, FACILITIES MANAGEMENT SERVICE

APPROVED: CHIEF, IMS

APPROVED: PROTECTIVE SERVICE

APPROVED: INDUSTRIAL HYGIENIST

APPROVED: SAFETY MANAGER

APPROVED: CHIEF, PROJECT SECTION

APPROVED:

APPROVED:

APPROVED:

VA PROJECT NAME:

Information Management Safety
& Security Upgrades

DATE:

23 MAR 11

PLOT SCALE:

1"=1'-0"

BUILDING NUMBER:

157

LOCATION:

BATTLE CREEK VAMC

DRAWING TITLE:

FIRE PROTECTION PLANS

VA PROJECT NUMBER:

515-10-120

A/E PROJECT NUMBER:

10087

DRAWING NUMBER

DWG F2 OF 11

DEPARTMENT OF
VETERANS AFFAIRS