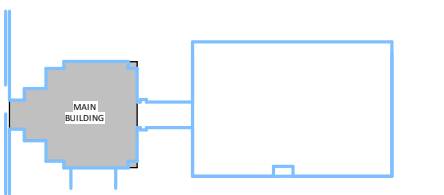


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[illegible]

PLAN:



HEET NAME:
FIRE ALARM PLAN - LEVEL 1

ORIGINAL SUBMISSION: 2022.07.01
CURRENT: 2022.07.01

PACKAGE C - BID DOCUMENTS

FA201

PACKAGE C - BID DOCUMENTS

GENERAL NOTES:

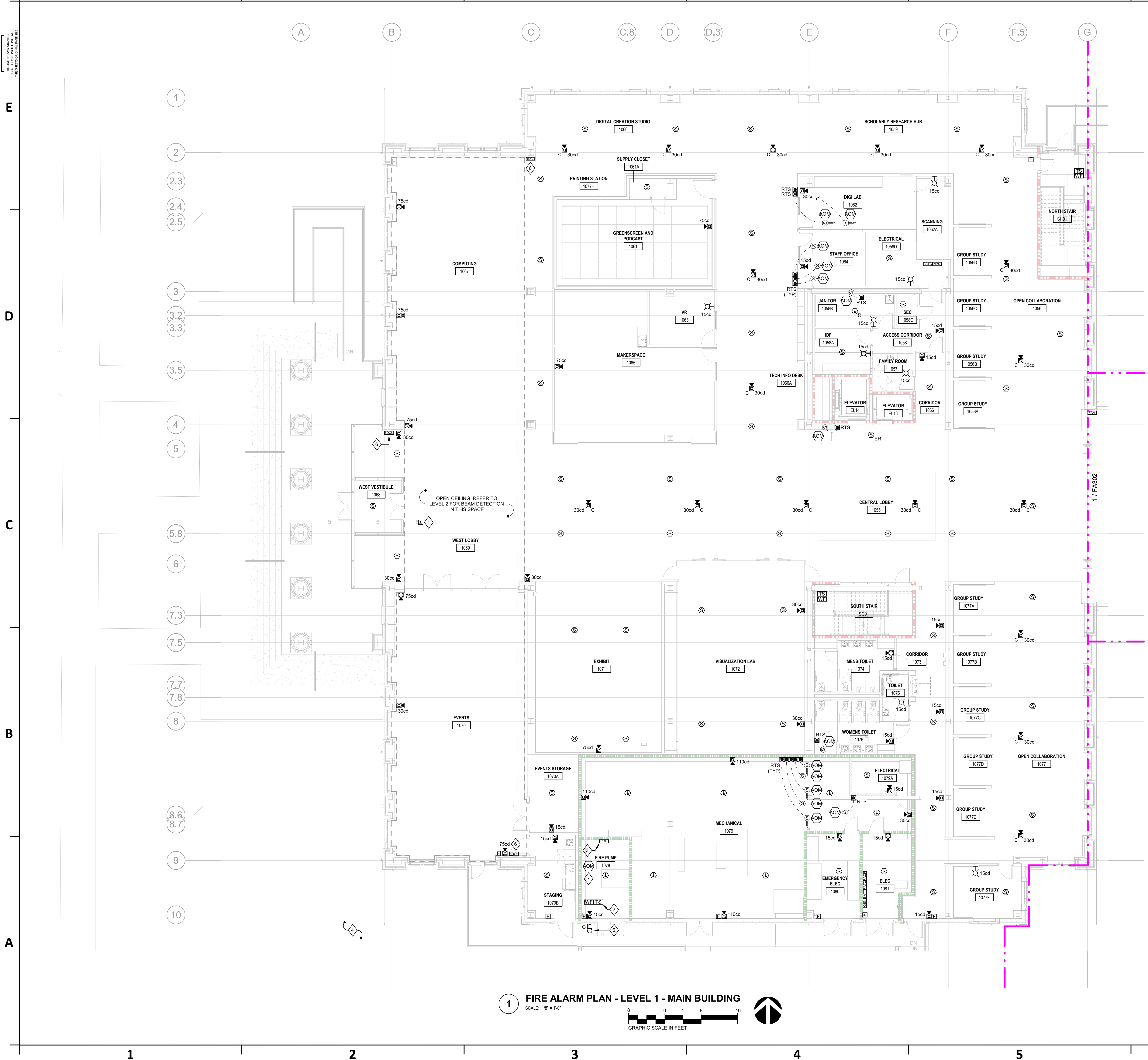
1. COORDINATE SMOKE DETECTOR LOCATIONS WITH ARCHITECTURAL RCP'S AND MECHANICAL DIFFUSERS. SMOKE DETECTORS SHALL NOT BE INSTALLED CLOSER THAN 3' FROM AIR SUPPLY DIFFUSERS.
2. COORDINATE JUNCTION BOX LOCATIONS WITH ARCHITECTURAL RCP. LOCATE ALL JUNCTION BOXES OVER ACCESSIBLE CEILING SPACE.

 SHEET KEYNOTES

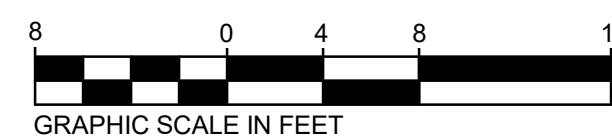
- 1 MOUNT MANUAL PULL STATION IN PEDESTAL ABOVE PUSHPULATE.
- 2 PROVIDE CONNECTION TO FLOW AND TAMPER SWITCHES AT THE FIRE PUMP ROOM. THERE ARE A MINIMUM OF 14 TAMPER SWITCHES AND 1 FLOW SWITCH.
- 3 PROVIDE CONNECTIONS TO THE PRE-ACTION SYSTEM, MONITOR PRESSURE, FLOW, TAMPER, ALARM, AND SUPERVISORY.
- 4 PROVIDE TAMPER SWITCH AT THE PIV ON THE SITE. COORDINATE WITH CIVIL.
- 5 PROVIDE CONNECTION TO THE ELECTRIC WATER BELL, TIED INTO FLOW SWITCH.
- 6 BEAM DETECTOR CONTROL UNIT FOR BEAM DETECTORS IN THE DOUBLE-HEIGHT SPACE. INSTALL DETECTOR CAPTURED IN THE PHOTO. COORDINATE AND COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- 7 PROVIDE ADDRESSABLE OUTPUT MODULES FOR THE PUMP CONTROLLER. REFER TO SHEET FA02 FOR ADDITIONAL INFORMATION.

LIFE SAFETY LEGEN

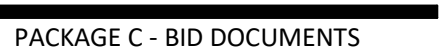
- NEW NON-RATED PARTITION
 EXISTING WALL TO REMAIN
 UNRATED SMOKE BARRIER TO DECK
 1 HR. RATED BARRIER TO DECK
 2 HR. RATED BARRIER TO DECK
 3 HR. RATED FIRE WALL TO DECK



A



 NEW NON-RATED PARTITION
 EXISTING WALL TO REMAIN
 UNRATED SMOKE BARRIER TO DECK
 1 HR. RATED BARRIER TO DECK
 2 HR. RATED BARRIER TO DECK
 3 HR. RATED FIRE WALL TO DECK

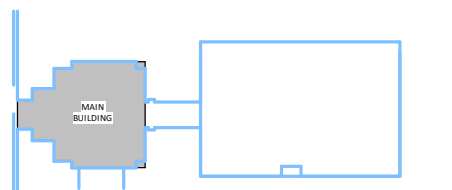


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[illegible]

Y PLAN:



SHEET NAME:
FIRE ALARM PLAN - LEVEL 3

ORIGINAL SUBMISSION: 2022.07.01
CURRENT: 2022.07.01

PACKAGE C - BID DOCUMENTS

HEET:

FA203

PACKAGE C - BID DOCUMENTS

GENERAL NOTES:

1. COORDINATE SMOKE DETECTOR LOCATIONS WITH ARCHITECTURAL RCP'S AND MECHANICAL DIFFUSERS. SMOKE DETECTORS SHALL NOT BE INSTALLED CLOSER THAN 3' FROM AIR SUPPLY DIFFUSERS.
2. COORDINATE JUNCTION BOX LOCATIONS WITH ARCHITECTURAL RCP. LOCATE ALL JUNCTION BOXES OVER ACCESSIBLE CEILING SPACE.

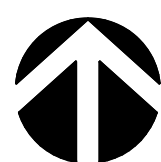
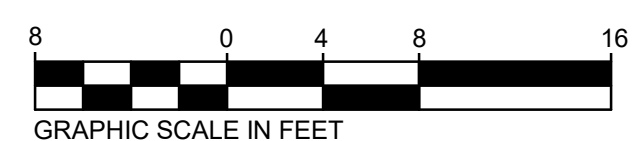
LIFE SAFETY LEGEND

-  NEW NON-RATED PARTITION
 EXISTING WALL TO REMAIN
 UNRATED SMOKE BARRIER TO DECK
 1 HR. RATED BARRIER TO DECK
 2 HR. RATED BARRIER TO DECK
 3 HR. RATED FIRE WALL TO DECK



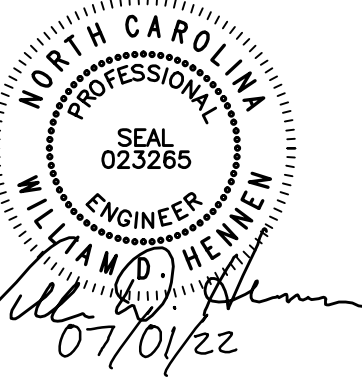
1 FIRE ALARM PLAN - LEVEL 3 - MAIN BUILDING
SCALE: 1/8" = 1'-0"

SCALE: 1/8" = 1'-0"



- NEW NON-RATED PARTITION
- EXISTING WALL TO REMAIN
- UNRATED SMOKE BARRIER TO DECK
- 1 HR. RATED BARRIER TO DECK
- 2 HR. RATED BARRIER TO DECK
- 3 HR. RATED FIRE WALL TO DECK

AEI Affiliated Engineers*
 Affiliated Engineers, Inc.
 14 Raleigh Road, Suite 305
 Chapel Hill, North Carolina 27517
 Tel 919.419.9802 Fax 919.913.4301
 www.aeleng.com
 C LIC. NO. C-2982

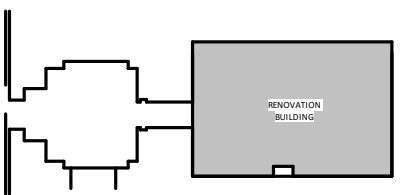


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[illegible]

PLAN:



PROJECT
NORTH

NET NAME:

NO FIRE ALARM PLAN - LEVEL 1
- OVERALL

ORIGINAL SUBMISSION: 2022.07.01

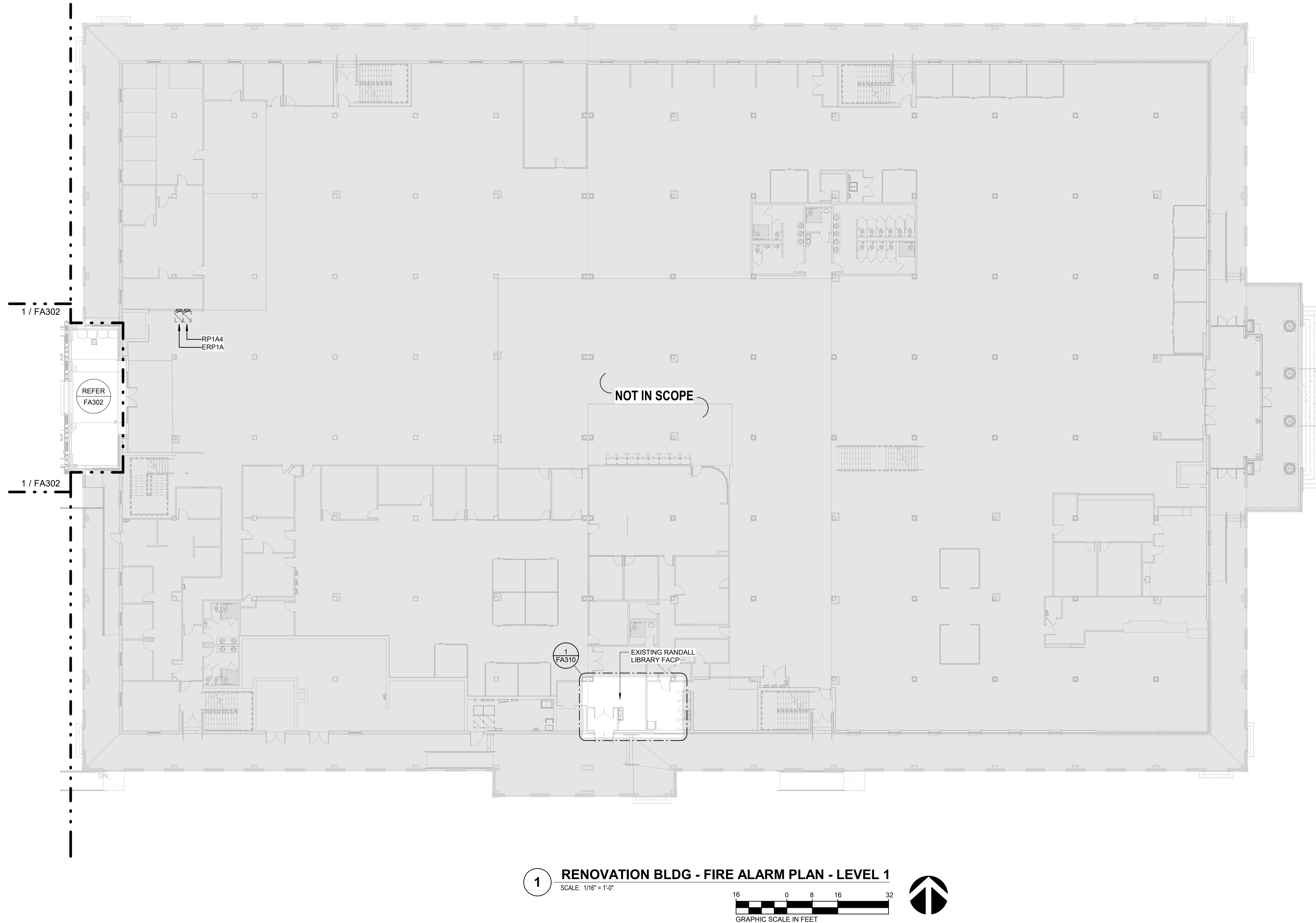
CURRENT: 2022.07.01

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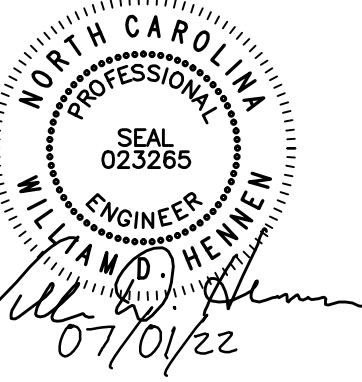
ET:

FA210

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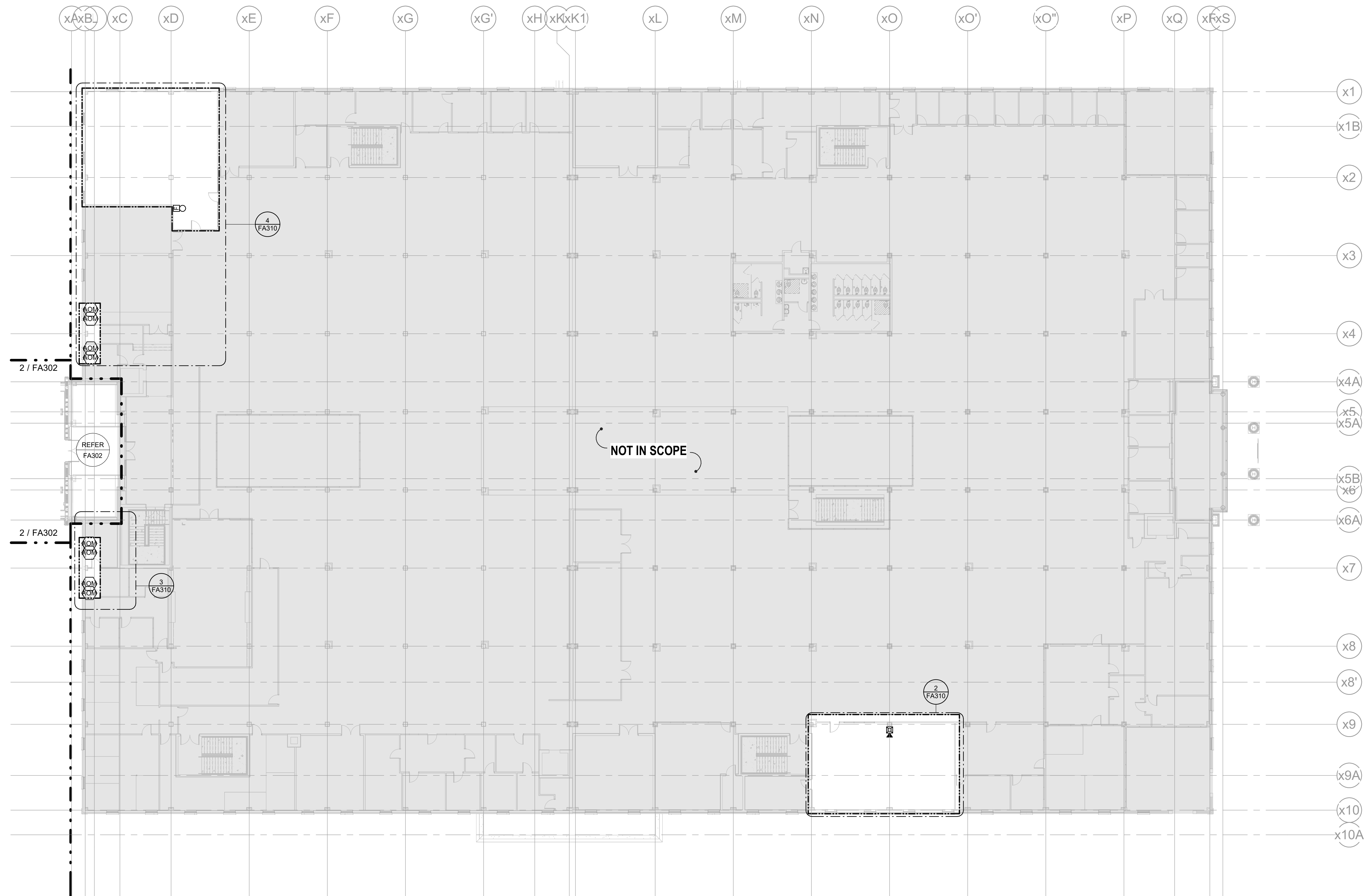
[illegible]

A schematic diagram showing a building labeled 'GENERATOR BUILDING' connected to a transformer. The transformer is represented by two overlapping circles, with the left circle shaded gray and the right circle white. The building is a gray rectangle with a small square at the bottom right corner. A line connects the building to the transformer.

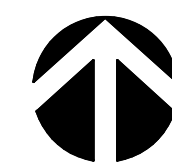
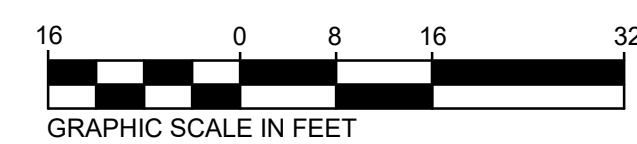


FA220

PACKAGE C - BID DOCUMENTS



1 RENOVATION BLDG - FIRE ALARM PLAN - LEVEL 2
SCALE: 1/16" = 1'-0"



A

 NEW NON-RATED PARTITION
 EXISTING WALL TO REMAIN
 UNRATED SMOKE BARRIER TO DECK
 1 HR. RATED BARRIER TO DECK
 2 HR. RATED BARRIER TO DECK
 3 HR. RATED FIRE WALL TO DECK

SCALE: 12" = 1'-0"

System Inputs		System Outputs		System Outputs																								
				Activate Evacuation Signals All Floors	Activate Level 1 Alarm Indicator	Activate Level 2 Alarm Indicator	Activate Level 3 Alarm Indicator	Activate Level 4 Alarm Indicator	Activate Common Alarm Signal Indicator	Activate Audible Common Alarm Signal	Activate Common Trouble Signal Indicator	Activate Audible Common Trouble Signal	Activate Common Emergency Signal Indicator	Activate Audible Supervisory Signal	Display / Print Change of Status	Transmit Fire Alarm Signal to Supervising Station	Transmit Trouble Signal to Supervising Station	Transmit Supervisory Signal to Supervising Station	Transmit Waterflow Signal to Supervising Station	Release Fire Doors at Building Link	Release Fire Shutters At Exit of Escrow Library	Close Associated Fire/Smoke Damper	Shutdown associated AHU	Recall Elevator to Primary Floor	Recall Elevator to Secondary Floor	Activate Elevator Fire Hat	Unlock Exits and Control Doors	Activate Elevator Shunt Trip to Remove Power from Elevator Equipment
Manual Pull Station		Level 1	X	X					X	X				X	X					X						X		X
Manual Pull Station		Level 2	X			X			X	X				X	X					X						X		X
Manual Pull Station		Level 3	X				X		X	X				X	X					X						X		X
Manual Pull Station		Level 4	X					X	X	X				X	X					X						X		X
Smoke Detector		Level 1	X	X					X	X				X	X					X		X				X		X
Smoke Detector		Level 2	X			X			X	X				X	X					X		X				X		X
Smoke Detector		Level 3	X				X		X	X				X	X					X		X				X		X
Smoke Detector		Level 4	X					X	X	X				X	X					X		X				X		X
Beam Detector		Level 1	X	X					X	X				X	X					X		X				X		X
Smoke Detector Elevator Lobby		Level 1	X	X					X	X				X	X					X		X		X		X		X
Smoke Detector Elevator Lobby		Level 2	X			X			X	X				X	X					X		X		X		X		X
Smoke Detector Elevator Lobby		Level 3	X				X		X	X				X	X					X		X		X		X		X
Smoke Detector Elevator Lobby		Level 4	X					X	X	X				X	X					X		X		X		X		X
Smoke Detector Link Fire Door		Level 1	X	X					X	X				X	X					X		X				X		X
Smoke Detector Link Fire Door		Level 2	X			X			X	X				X	X					X		X				X		X
Smoke Detector Elevator Shaft			X						X	X				X	X					X				X		X		X
Heat Detector Elevator Shaft			X						X	X				X	X									X		X		X
Smoke Detector Elevator Controller			X						X	X				X	X									X		X		X
Heat Detector Elevator Controller			X						X	X				X	X										X		X	
Heat Detector		Level 1	X	X					X	X				X	X					X		X				X		X
Heat Detector		Level 2	X			X			X	X				X	X					X		X				X		X
Heat Detector		Level 3	X				X		X	X				X	X					X		X				X		X
Heat Detector		Level 4	X					X	X	X				X	X					X		X				X		X
Duct Mounted Smoke Detector		Level 1	X	X					X	X				X	X					X		X		X		X		X
Duct Mounted Smoke Detector		Level 2	X			X			X	X				X	X					X		X		X		X		X
Duct Mounted Smoke Detector		Level 3	X				X		X	X				X	X					X		X		X		X		X
Duct Mounted Smoke Detector		Level 4	X						X	X	X			X	X					X		X		X		X		X
Duct Mounted Smoke Detector AHU Supply			X						X	X	X			X	X					X		X		X		X		X
Sprinkler Main Water Flow Switch		Level 1	X	X					X	X				X	X					X		X		X		X		X
Sprinkler Zone Water Flow Switch		Level 1	X	X					X	X				X	X					X		X		X		X		X
Sprinkler Zone Water Flow Switch		Level 2	X			X			X	X				X	X					X		X		X		X		X
Sprinkler Zone Water Flow Switch		Level 3	X				X		X	X				X	X					X		X		X		X		X
Sprinkler Zone Water Flow Switch		Level 4	X					X	X	X				X	X					X		X		X		X		X
Sprinkler Main Tamper Switch		Level 1											X	X	X				X									
Sprinkler Zone Valve Tamper Switch		Level 1											X	X	X					X								
Sprinkler Zone Valve Tamper Switch		Level 2											X	X	X					X								
Sprinkler Zone Valve Tamper Switch		Level 3											X	X	X					X								
Sprinkler Zone Valve Tamper Switch		Level 4											X	X	X					X								
PIV Tamper Switch Site													X	X	X					X								
Emergency Responder Radio System Loss of Power													X	X	X					X								
Elevator Shunt Trip Loss of Power										X	X				X													
Fire Alarm AC Power Failure										X	X				X					X		X						
Fire Alarm Low Battery										X	X				X													
Open Circuit										X	X				X													
Ground Fault										X	X				X													
Circuit Short										X	X				X													
Fire Pump Running										X	X				X													
Fire Pump Loss of Line Power										X	X				X													
Fire Pump Power Failure/Phase Reversal										X	X				X													
Fire Pump Controller Connected to Alternate Source										X	X				X													