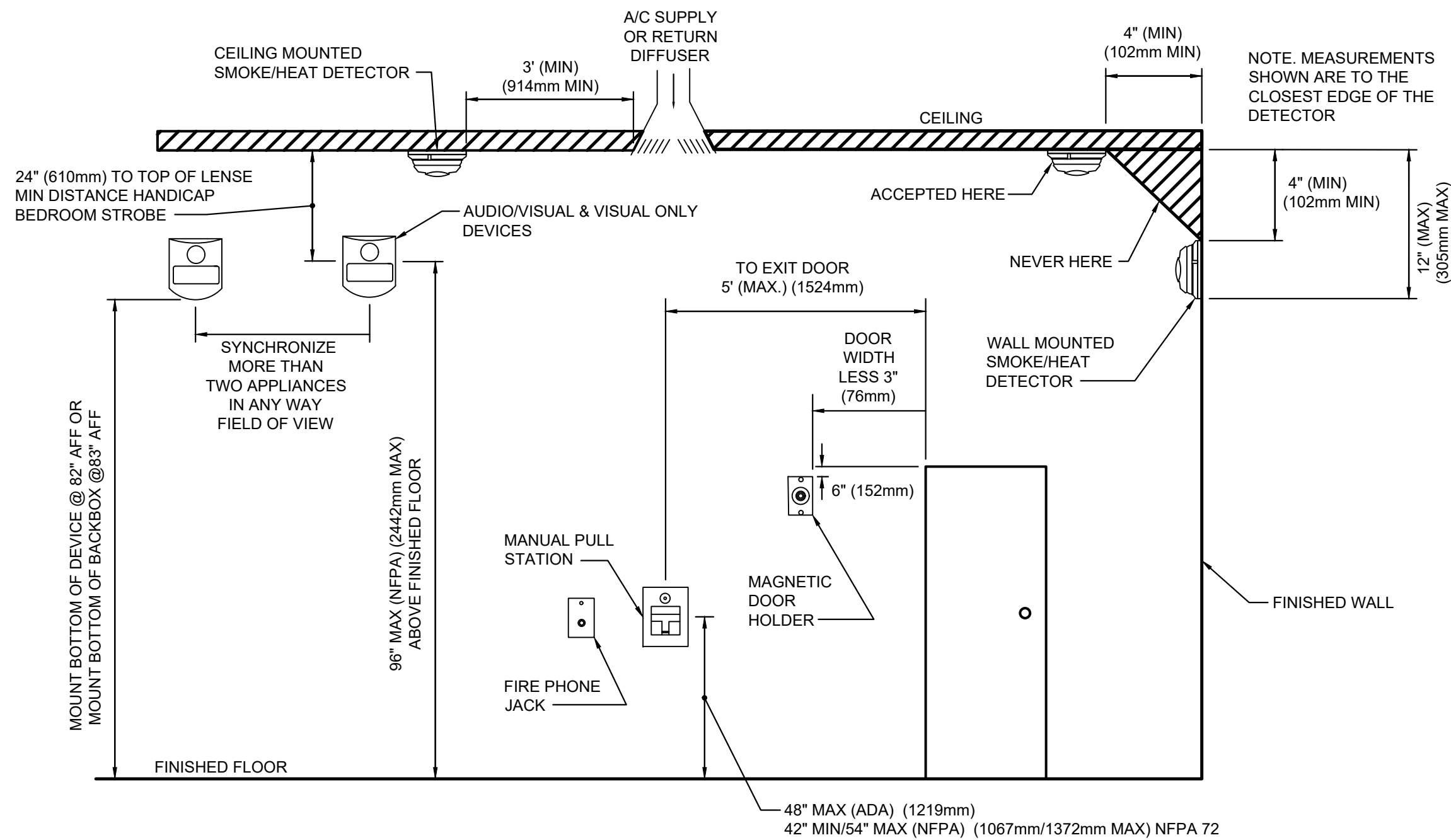


FIRE ALARM NOTES

- QUANTITIES AND SIZES OF ALL FIRE ALARM WIRING SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS - MIN 3/4".
- NO CIRCUIT SHALL EXCEED 70% OF THEIR CAPACITY. SIGNALING LINE CIRCUIT SHALL BE DETERMINED BY THE MANUFACTURER BUT SHALL NOT EXCEED FIFTY DEVICES. MANUFACTURER SHALL DETERMINE EXACT NUMBER OF TRANSPONDER CABINETS REQUIRED.
- THE NUMBER OF SIGNALING DEVICES PER EACH SIGNALING LINE CIRCUIT SHALL BE DETERMINED BY THE MANUFACTURER BUT SHALL NOT EXCEED FIFTY DEVICES. MANUFACTURER SHALL DETERMINE EXACT NUMBER OF TRANSPONDER CABINETS REQUIRED.
- THIS RISER DIAGRAM IS DIAGRAMMATIC IN NATURE AND IS NOT INTENDED TO ILLUSTRATE ACTUAL WIRING METHODS. THE RISER DIAGRAM IS INTENDED TO INDICATE DEVICES ON THE SYSTEM AND A GENERAL CONCEPT OF THE BUILDING SYSTEM. FOR ACTUAL LOCATION OF DEVICES AND QUANTITIES REFER TO THE POWER FLOOR PLANS.
- QUANTITY AND LOCATION OF NAC EXTENDER PANELS SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE SMOKE DETECTOR AT THE LOCATION OF EACH NAC EXTENDER PANEL.

1 FIRE ALARM SYSTEM RISER DIAGRAM

NOT TO SCALE



BEDROOM NOTES:

- VISUAL APPLIANCE SHALL BE LOCATED WITHIN 16'-0" OF THE PILLOW MEASURED HORIZONTALLY. IF DETECTOR AND VISIBLE APPLIANCE ARE IN THE SAME SLEEPING ROOM THE INTENSITY IS REQUIRED TO BE 177CD.
- IN NO CASE MUST THE AUDIBLE ALARM BE LESS THAN 75dBA AT THE PILLOW LEVEL IN ALL SLEEPING AREAS.
- 520HZ LOW FREQUENCY SOUNDERS SHALL BE INSTALLED IN ALL SLEEPING AREAS.

2 FIRE ALARM RECOMMENDED DEVICE MOUNTING HEIGHTS DETAIL

NOT TO SCALE

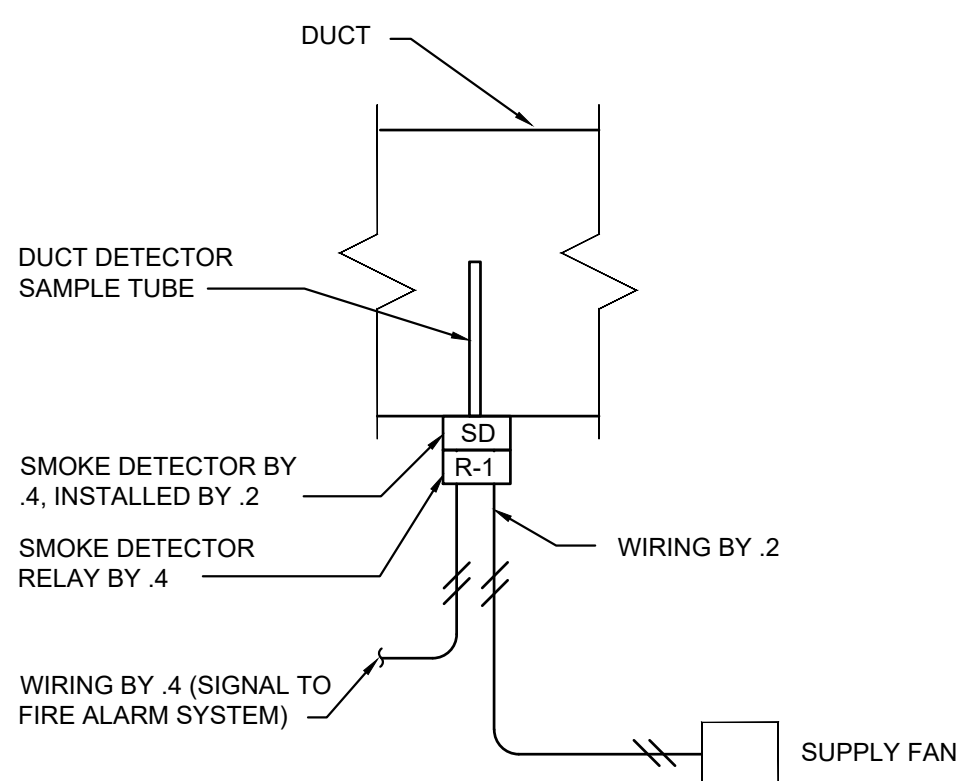
SYSTEM INPUTS													
	A	B	C	D	E	F	G	H	I	J	K	L	M
1. FACP: DISPLAY AN AUDIBLE / VISUAL ALARM	X	X	X	X	X	X	X	X	X	X	X	X	X
2. REMOTE ANNUNCIATOR: DISPLAY AN AUDIBLE / VISUAL ALARM	X	X	X	X	X	X	X	X	X	X	X	X	X
3. AUDIBLE / VISUAL ALARMS: ACTIVATE AUDIBLE / VISUAL STROBE APPLIANCES ON AFFECTED FLOOR (5)	X	X				X	X	X					
4. ASSEMBLY DOORS AND FIRE DOORS: RELEASE MAGNETIC DOOR HOLDER ON AFFECTED FLOOR	X	X				X	X						
5. STAIRWELL PRESSURIZATION: AUTOMATICALLY ACTIVATE PRESSURIZATION	X	X			X	X	X						
6. SMOKE EXHAUST: AUTOMATICALLY ACTIVATE EXHAUST SYSTEM IN AFFECTED ZONES	X	X			X(4)	X(4)							
7. GUESTROOMS AUDIBLE ALARMS: ACTIVATE ALARMS IN ROOM ON AFFECTED FLOOR (5)	X	X			X	X	X	X					
8. GUESTROOM AUDIBLE/VISUAL SIGNALS: ACTIVATE BOTH SIGNALS IN HEARING IMPAIRED GUESTROOMS ON AFFECTED FLOORS (5)	X	X			X	X	X	X					
9. LOCAL AUDIBLE ALARMS: ACTIVATE AUDIBLE ALARMS ONLY IN ROOM CONTAINING ALARM					X								X(6)
10. GUESTROOM LOCAL AUDIBLE / VISUAL SIGNALS: ACTIVATE BOTH SIGNALS ONLY IN HEARING IMPAIRED GUESTROOMS CONTAINING ALARMS					X								X(6)
11. AIR HANDLING UNITS: AUTOMATICALLY SHUT OFF ASSOCIATED AIR HANDLING UNITS										X			
12. COOKING AREA GAS / ELECTRIC: AUTOMATICALLY SHUT OFF ASSOCIATED COOKING LINE GAS & ELECTRIC AND MAKEUP AIR HANDLING UNIT							X						
13. ELEVATOR PHASE 1 DESIGNATED LEVEL AND ALTERNATE LEVEL RECALL, PHASE 2 FIREFIGHTERS IN-CAR OPERATION			X										

SYSTEM OUTPUTS													
	A	B	C	D	E	F	G	H	I	J	K	L	M
1. FACP: DISPLAY AN AUDIBLE / VISUAL ALARM	X	X	X	X	X	X	X	X	X	X	X	X	X
2. REMOTE ANNUNCIATOR: DISPLAY AN AUDIBLE / VISUAL ALARM	X	X	X	X	X	X	X	X	X	X	X	X	X
3. AUDIBLE / VISUAL ALARMS: ACTIVATE AUDIBLE / VISUAL STROBE APPLIANCES ON AFFECTED FLOOR (5)	X	X				X	X	X					
4. ASSEMBLY DOORS AND FIRE DOORS: RELEASE MAGNETIC DOOR HOLDER ON AFFECTED FLOOR	X	X				X	X						
5. STAIRWELL PRESSURIZATION: AUTOMATICALLY ACTIVATE PRESSURIZATION	X	X			X	X	X						
6. SMOKE EXHAUST: AUTOMATICALLY ACTIVATE EXHAUST SYSTEM IN AFFECTED ZONES	X	X			X(4)	X(4)							
7. GUESTROOMS AUDIBLE ALARMS: ACTIVATE ALARMS IN ROOM ON AFFECTED FLOOR (5)	X	X			X	X	X	X					
8. GUESTROOM AUDIBLE/VISUAL SIGNALS: ACTIVATE BOTH SIGNALS IN HEARING IMPAIRED GUESTROOMS ON AFFECTED FLOORS (5)	X	X			X	X	X	X					
9. LOCAL AUDIBLE ALARMS: ACTIVATE AUDIBLE ALARMS ONLY IN ROOM CONTAINING ALARM					X								X(6)
10. GUESTROOM LOCAL AUDIBLE / VISUAL SIGNALS: ACTIVATE BOTH SIGNALS ONLY IN HEARING IMPAIRED GUESTROOMS CONTAINING ALARMS					X								X(6)
11. AIR HANDLING UNITS: AUTOMATICALLY SHUT OFF ASSOCIATED AIR HANDLING UNITS										X			
12. COOKING AREA GAS / ELECTRIC: AUTOMATICALLY SHUT OFF ASSOCIATED COOKING LINE GAS & ELECTRIC AND MAKEUP AIR HANDLING UNIT							X						
13. ELEVATOR PHASE 1 DESIGNATED LEVEL AND ALTERNATE LEVEL RECALL, PHASE 2 FIREFIGHTERS IN-CAR OPERATION			X										

NOTE / NOTATIONS:

- SYSTEM SMOKE SENSORS NOT LOCATED IN GUESTROOMS
- PROVIDE ELEVATOR PHASE 1 DESIGNATED LEVEL AND ALTERNATE LEVEL RECALL, SHUNT TRIP FUNCTION AND PHASE 2 FIREFIGHTERS IN-CAR OPERATION IN COMPLIANCE WITH ASME A17.1 ELEVATOR CODE.
- GUESTROOM SMOKE SENSORS: PROVIDE PHOTOELECTRIC TYPE, WITH SOUNDER BASE (MINIMUM RATING OF 85dBA WITH 75 dBA AT THE PILLOW). IN SUITES, MULTIPLE SENSORS SHALL ACTIVATE SIMULTANEOUSLY.
- EXCEPT ON GUESTROOM FLOORS, WATER FLOW ALARMS SHALL NOT ACTIVATE SMOKE CONTROL EXHAUST FANS WHERE SMOKE CONTROL ZONES AND FIRE SPRINKLER ZONES DO NOT CORRESPOND.
- FIRE ALARM SHALL ACTIVATE ONLY ON FLOORS OF ALARM. GOVERNING AUTHORITY MAY REQUIRE ADDITIONAL ZONING.
- CARBON MONOXIDE DETECTORS IN GUESTROOMS, PUBLIC AND BOH AREAS SHALL ACTIVATE AN ALARM IN THE GUESTROOMS AND ROOMS OF INCIDENT AND THE FIRE ALARM CONTROL PANEL.
- HEAT DETECTORS ARE NOT RECOMMENDED SINCE FIRE SPRINKLERS SERVE THE SAME FUNCTION.
- PROVIDE "FIRE PUMP RUN" AND "FIRE PUMP FAULT" SUPERVISORY SIGNALS FROM CONTROLLER TO THE FACP AS A MINIMUM.
- PROVIDE "GENERATOR RUN" AND "GENERATOR FAULT" SUPERVISORY SIGNALS TO THE FACP.

FIRE ALARM SYSTEM INPUT/OUTPUT MATRIX



3 TYPICAL SMOKE DAMPER/DUCT DETECTOR WIRING DIAGRAM

NOT TO SCALE

RECORD REVISIONS			
PROFESSIONAL'S SIGNATURE DATE			
UpStreet ARCHITECTS, INC. 541 PHILADELPHIA ST. INDIANA, PA 15701 911 MENOHER BLVD. JOHNSTOWN, PA 15905			
COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF GENERAL SERVICES HARRISBURG, PENNSYLVANIA			
D.G.S. PROJECT No. C-0588-0015 PHASE 1			
LOYSVILLE YOUTH DEVELOPMENT CENTER- RENOVATIONS TO ZIMMERMAN-BINGAMAN (ZB) COTTAGE DEPARTMENT OF HUMAN SERVICES LOYSVILLE, TYRONE TOWNSHIP, PERRY COUNTY, PA			
DETAILS - ELECTRICAL			
VERIFY SCALE BAR IS ONE (1) INCH LONG ON ORIGINAL DRAWING: 0 1 IF BAR IS NOT ONE (1) INCH LONG, ADJUST SCALE ACCORDINGLY.	CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT PROFESSIONAL & BUREAU OF CONSTRUCTION APPROVAL.	DRAWN BY S. SMOLKO CHECKED BY S. MULHOLLEN	DATE 27 JUNE 2023 SCALE AS NOTED
	SHEET No. E-603		