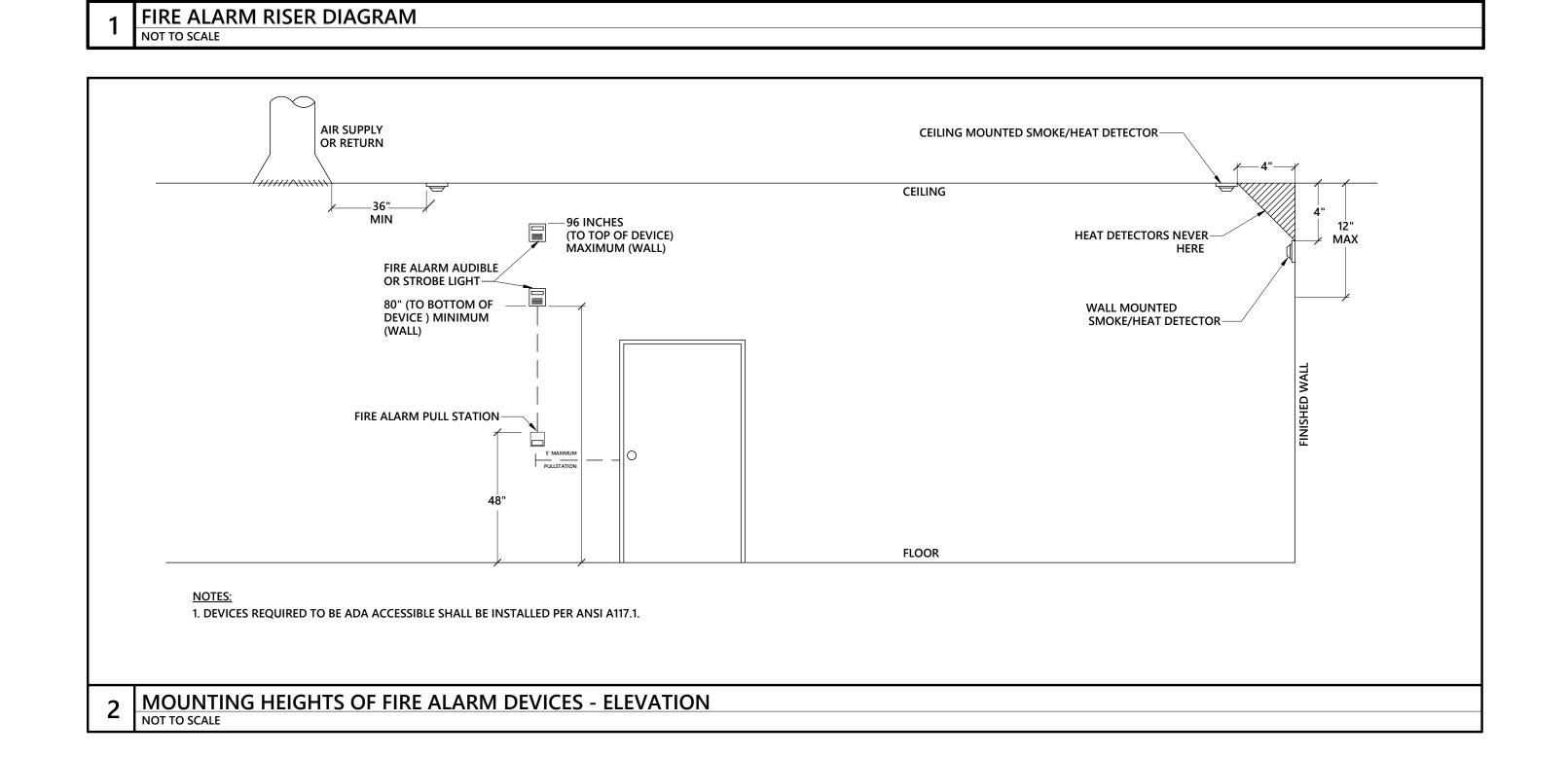
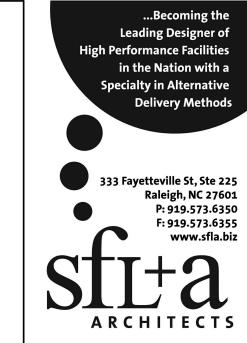
	GROUND FAULT FIRE ALARM A.C. POWER FAILURE FIRE ALARM SYSTEM LOW BATTERY BDA SYSTEM	
	<u> </u>	FIRE ALARM NOTES 1. EXISTING FACP IS FULLY ANALOG ADDRESSABLE. 2. EXISTING FACP HAS A MINIMUM 24HR. BATTERY BACKUP. 3. EYSTING FACE IS CONNECTED TO A LILL APPROVED CENTRAL STATION.
\$PX \$PX \$PX H\$PX	SD HD TS FS	3. EXSTING FACP IS CONNECTED TO A UL APPROVED CENTRAL STATION. 4. ZONE PER NFPA 72, 2013 AND MANUFACTURER'S RECOMMENDATIONS WITH NO ONE ZONE EXCEEDING 15,000 S.F. PE 5. COORDINATE QUANTITY AND LOCATIONS OF DEVICES WITH CONTRACT DRAWINGS. 6. LOCATE SMOKE DETECTOR WITHIN 5' OF THE MAGNETIC HOLD OPEN DOORS. (TYPICAL) 7. LOCATE FIRE ALARM PULL STATION WITHIN 5' OF THE EXIT DOOR. 8. LOCATE SMOKE/HEAT DETECTOR WITHIN 5' OF THE FA EQUIPMENT (FACP, FATC). 9. LOCATION OF CEILING MOUNTED SMOKE/HEAT DETECTOR SHALL BE FIELD COORDINATED PRIOR TO ROUGH IN. THE DETECTOR SHALL BE A MINIMUM OF 2' AWAY FROM LIGHT FIXTURE AND A MINIMUM OF 3' AWAY FROM AIR DISTRIBUTION DEVICES. 10. AUTOMATIC DOOR CLOSING SHALL BE ACCOMPLISHED BY THE ACTIVATION OF THE LOCAL SMOKE DETECTORS AT THAT
VOICE ANNUN. AMPLIFIER	EXISTNG FACP EDWARDS EST3 ROOM: SEE PLANS	DOOR. SMOKE DETECTOR ACTIVATION SHALL ALERT THE BUILDING FIRE ALARM SYSTEM. THE FIRE ALARM SYSTEM SHALL CAUSE ALL HOLD OPEN DOORS TO CLOSE UPON ALARM ACTIVATION IN THE BUILDING. 11. ACTIVATION OF AN ALARM ZONE SHALL CAUSE ALL AIR HANDLING EQUIPMENT TO SHUT DOWN (ALL DAMPERS, AIR HANDLERS AND EXHAUST FANS MUST STOP). 12. ACTIVATION OF KITCHEN HOOD SUPPRESSION SYSTEM PROVIDES SIGNAL TO FACP WHICH IN TURN ACTIVATES ALL ANNUNCIATING ZONES & CUTS OFF AHU SUPPLY AIR. 13. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF ALL FLOW, PRESSURE, & TAMPER SWITCHES WITH FIRE PROTECTION CONTRACTOR PRIOR TO INSTALLATION.
NOTE: DASHED ITEMS ARE EXISTING TO REMAIN.		 ALL VISUAL DEVICES WITHIN THE SAME AREA SHALL BE SYNCHRONIZED. IT SHALL BE A THREE BEAT TEMPORAL PATTE 15. ALL FIRE ALARM WIRING SHALL BE IN CONDUIT. PROVIDE MULTI-TEMPORAL SOUNDING CAPABILITY AT ALL AUDIO DEVICES FOR EMERGENCY NOTIFICATION FOR NON VOICE SYSTEMS COMPONENTS. THE FIRE ALARM SYSTEM MANUFACTURER SHALL PROVIDE NOTIFICATION APPLIANCE CIRCUIT (NAC) POWER EXTENDERS AS REQUIRED. THE DUCT SMOKE DETECTORS SHALL COMPLY WITH IFC 907.12.
	KITCHEN AHU SUPPRESSION SHUTDOWN INTERLOCK RELAY	 THE CIRCUIT FEEDING THE FIRE ALARM PANEL IS DEDICATED FOR THE FIRE ALARM ONLY. BREAKER SHALL BE PROVIDE A LABEL "FIRE ALARM CIRCUIT" AND SHALL BE RED. PROVIDE REMOTE LIGHT FOR DUCT SMOKE DETECTOR ON CEILING WHERE UNIT IS ABOVE CEILING. CONTRACTOR RESPONSIBLE FOR SHOP DRAWINGS AS REQUIRED BY LOCAL AHJ. DUCT DETECTORS SHALL BE VERIFIED WITH THE MECHANICAL DRAWINGS FOR QUANTITY AND LOCATION. TOTAL QUANTITY MINIMUM SHALL BE BASED ON BOTH MECHANICAL SCHEDULES AND MECHANICAL PLAN LOCATIONS AND ELECTRICAL PLANS. WHEN DEVICE QUANTITIES (ELECTRICAL VS. MECHANICAL) ARE IN CONFLICT, PROVIDE THE GREAT

QUANTITY OF DETECTORS.



NFPA FIRE ALARM LEGEND				
	DESCRIPTION			
F	FIRE ALARM MANUAL STATION.			
FATC	FIRE ALARM TERMINAL CABINET			
NAC	NOTIFICATION APPLIANCE CIRCUIT POWER EXTENDER			
⊠ □ _{15cd}	FIRE ALARM HORN W/STROBE (CANDELAS), WHITE FINISH			
	FIRE ALARM AUDIBLE ONLY, WHITE FINISH			
D⊗⊲ ^{15cd}	FIRE ALARM HORN W/STROBE (CANDELAS), WHITE FINISH			
M	FIRE ALARM AUDIBLE ONLY, WHITE FINISH			
②	SMOKE DETECTOR/SENSOR (DEFAULT PHOTOELECTRIC TYPE)			
⊕ _χ	HEAT DETECTOR/SENSOR. X=TYPE			
	RECTANGULAR DUCT MOUNTED DUCT DETECTOR. FURNISHED AND CONNECTED BY ELECTRICAL CONTRACTOR, INSTALLED BY MECHANICAL CONTRACTOR. CUTTING OF DUCT, INSTALLATION OF DETECTOR. AND DETERMINATION OF SAMPLING TUBE LENGTH SHALL BE THE MECHANICAL CONTRACTOR. PROVIDE REMOTE INDICATING LIGHT WITH EACH DETECTOR.			
R	DUCT DETECTOR REMOTE INDICATING LIGHT.			

FA_Sheet List				
SHEET NUMBER	SHEET NAME			
FA1-001	FIRE ALARM LEGEND & NOTES			
FA1-101	FIRST FLOOR FIRE ALARM PLAN - DEMOLITION			
FA1-102	FIRST FLOOR FIRE ALARM PLAN - NEW WORK			
FA1-103	MECHANICAL LOFT FIRE ALARM PLAN - NEW WORK			





CONSTRUCTION DOCUMENTS



Johnsonville Elementary School Addition/Renovation Phase 2 18495 NC-27, Cameron, NC 28326



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DOCUMENTS



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FIRST FLOOR FIRE ALARM PLAN -DEMOLITION

FA1-101 Sheet No. 2 of 4

OPTIMA # 21-0266R

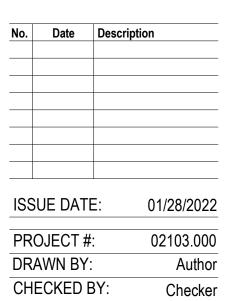




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FIRST FLOOR FIRE
ALARM PLAN - NEW
WORK

FA1-102

FIRST FLOOR FIRE ALARM PLAN - NEW WORK - PHASE 2

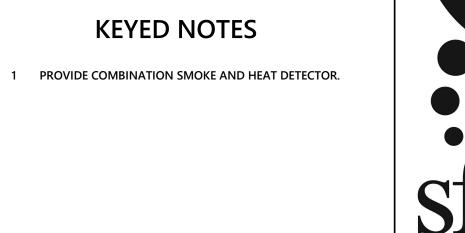


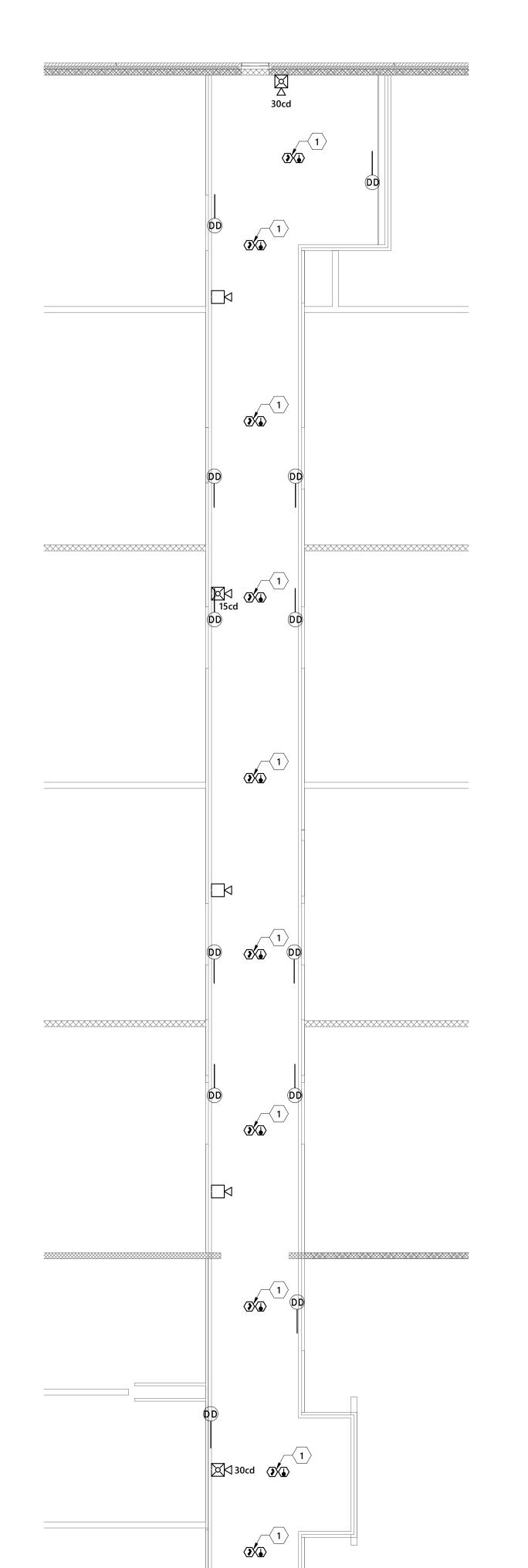
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MECHANICAL LOFT					

FIRE ALARM PLAN -

NEW WORK

FA1-103





OPTIMA # 21-0266R