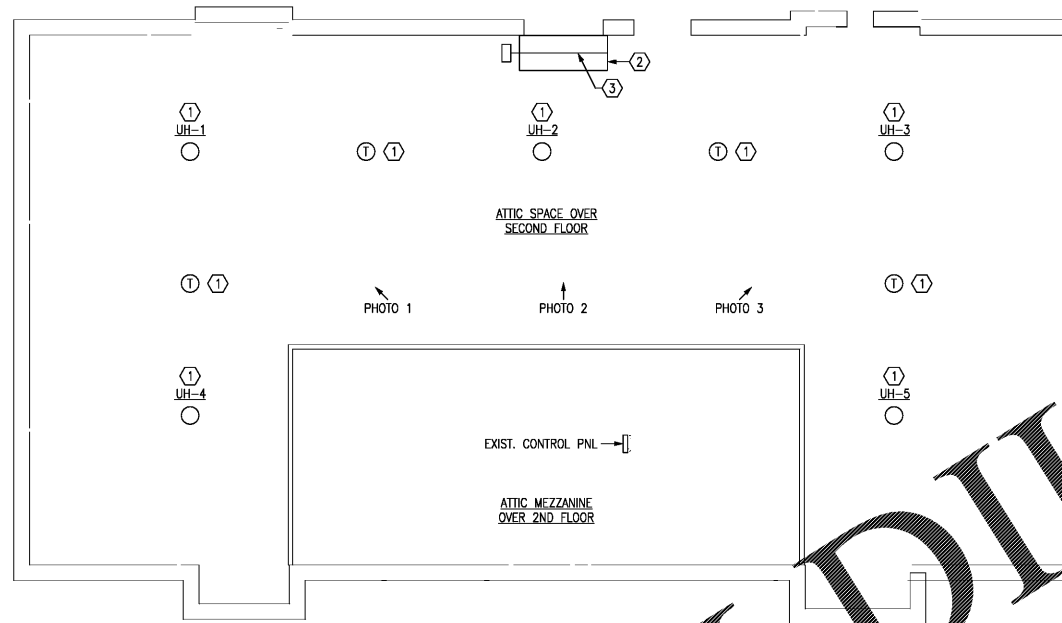


ELECTRIC UNIT HEATER SCHEDULE							
BASIS OF DESIGN: MODINE VE-100							
UNIT TAG	LOCATION	MT HEIGHT (FT)	POWER (KW)	VOLTAGE	PHASE	WEIGHT (LBS)	REMARKS:
UH-1	SUSPENDED FROM STRUCTURE	6	10	208	3	70	PROVIDE WITH TRUNCONE DEFLECTOR.
UH-2	SUSPENDED FROM STRUCTURE	6	10	208	3	70	PROVIDE WITH TRUNCONE DEFLECTOR.
UH-3	SUSPENDED FROM STRUCTURE	6	10	208	3	70	PROVIDE WITH TRUNCONE DEFLECTOR.
UH-4	SUSPENDED FROM STRUCTURE	6	10	208	3	70	PROVIDE WITH TRUNCONE DEFLECTOR.
UH-5	SUSPENDED FROM STRUCTURE	6	10	208	3	70	PROVIDE WITH TRUNCONE DEFLECTOR.

NOTES:
1.



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



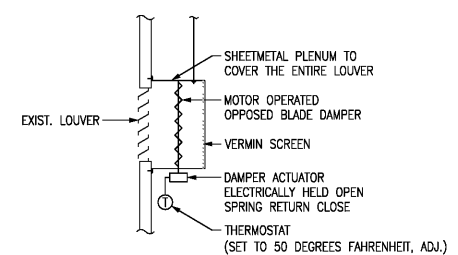
PHOTO 1
OPEN ATTIC SPACE
N.T.S.



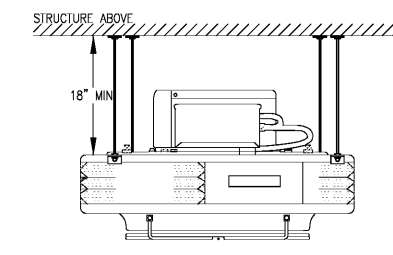
PHOTO 2
OPEN ATTIC SPACE, LOUVER
N.T.S.



PHOTO 3
OPEN ATTIC SPACE
N.T.S.



2 PLENUM DAMPER DETAIL
N.T.S.



3 UNIT HEATER MOUNTING DETAIL
N.T.S.

SHEET NOTES

- PROVIDE ELECTRICAL UNIT HEATERS FOR SPRINKLER PIPING EXPOSED TO COLD CONDITIONS FOR FREEZE PROTECTION. PROVIDE POWER WIRING, DISCONNECTS, AND INTEGRAL THERMOSTATS FOR A COMPLETE FREEZE PROTECTION SYSTEM MAINTAINING A MINIMUM ATTIC SPACE TEMPERATURE OF 40 DEGREES FAHRENHEIT (DEG F).
- COORDINATE WITH THE MANUFACTURER AND THE ELECTRICAL CONTRACTOR FOR COMPLETE INSTALLATION DETAILS.

○ SHEET KEYNOTES

- HANG THE UNIT HEATERS FROM THE STRUCTURE AND/OR ROOF ABOVE WITH APPROPRIATE STRUCTURAL BRACING TO SUPPORT THE WEIGHT OF EACH HEATER. IF THE STRUCTURE AND/OR ROOF HAS INSUFFICIENT CAPACITY TO SUPPORT UNIT HEATER WEIGHT, PROVIDE ATTIC FLOOR STRUCTURE TO SUPPORT EACH UNIT HEATER SEPARATELY. SUBMIT FOR ENGINEER REVIEW. SET THERMOSTAT TO ACTIVATE AT 50 DEGREES FAHRENHEIT (ADJ.)
- PROVIDE FULL-FACED LOUVER SHEET METAL PLENUM (APPROX 60 x 24) IN SIZE AND 12 INCHES DEEP. PROVIDE PLENUM WITH A MINIMUM OF 1 INCH THICK INSULATION AND JACKETING. PROVIDE AN OPENING FOR CONTROL DAMPER INSTALLATION (52 x 20).
- PROVIDE AN OPPOSED-BLADE DAMPER (52 x 20) COMPLETE WITH NORMALLY CLOSED, SPRING-RETURN, LOW-SPEED, 24 VOLT ACTUATOR AT OPENING OF SHEET METAL PLENUM.
- PROVIDE AN ANALOG TEMPERATURE SENSOR TO MONITOR THE CONDITIONS IN THE ATTIC SPACE. PROVIDE WIRING AND CONDUIT BACK TO THE CONTROLS PANEL LOCATED IN THE MECHANICAL ROOM. PROVIDE PROGRAMMING AND GRAPHICS SCREEN TO MONITOR ALL SENSORS AND ALARM THE BAS UPON A DECREASE IN TEMPERATURE TO 45 DEGREES FAHRENHEIT (ADJ.)

GSA
GENERAL SERVICES ADMINISTRATION
PUBLIC BUILDING SERVICE
DESIGN & CONSTRUCTION DIVISION
77 FORSYTH STREET, SUITE G4
ATLANTA, GA 30303

AREA INC.
3603 NW 98th Street, STE B
Gainesville, FL 32606
Phone: (352) 474-6124
COA: FL #26693 EXP 02/28/19
Project Number: 121-16

KEY PLAN		
CAD FILE INFORMATION		

REVISION NUMBER	REVISION DESCRIPTION	REVISION DATE

CONTRACT	
A/E	GS-04P-16-EX-C-7070
CONTRACT	FQ4PC1-16-5002
PREPARE A/E	AKEA, INC.
ADDRESS	3603 NW 98TH STREET GAINESVILLE FL 32606
PREPARE ARCH	JAMIE CLAYTON
SUB A/E	NEPTUNE FIRE PROTECTION ENG. LLC
ADDRESS	60 OCEAN BLVD., STE. 15 ATLANTIC BEACH FL 32233
SUB A/E	
ADDRESS	
NAME	J. ROY ROWLAND CT
ADDRESS	300 NORTH FRANKLIN ST. DUBLIN GA 31021
BLDG NO.	GAD03362Z
ADJ. FACILITY	OTHER FACILITY NAME
TITLE	INSTALL FIRE SPRINKLER SYSTEM
DESCRIPTION	DESIGN-BUILD (DB) FIRE SPRINKLER SYSTEM
SUBMISSION	100% SUB DATE: 11/17/2017
PROJ. MGR.	MICHAEL POPE
PROJ. ENG.	ARNOLD J. HEDT, III
PROJ. NO.	VEA00038 / FQ4PC1-16-5002
DRAWN BY	MGH DATE DRAWN: 11/17/2017
CHECKED BY	MGH DATE CHD: 11/17/2017
FILE NAME	121-16 M100.dwg
FLOOR NO.	ATTIC
TITLE	MECHANICAL DETAILS
NUMBER	M100 18 of 20
DISCIPLINE	SHEET TYPE
	SEQUENCE

Order Plans

MARCH 9, 2018
100% DESIGN SUBMITTAL
NOT APPROVED FOR CONSTRUCTION