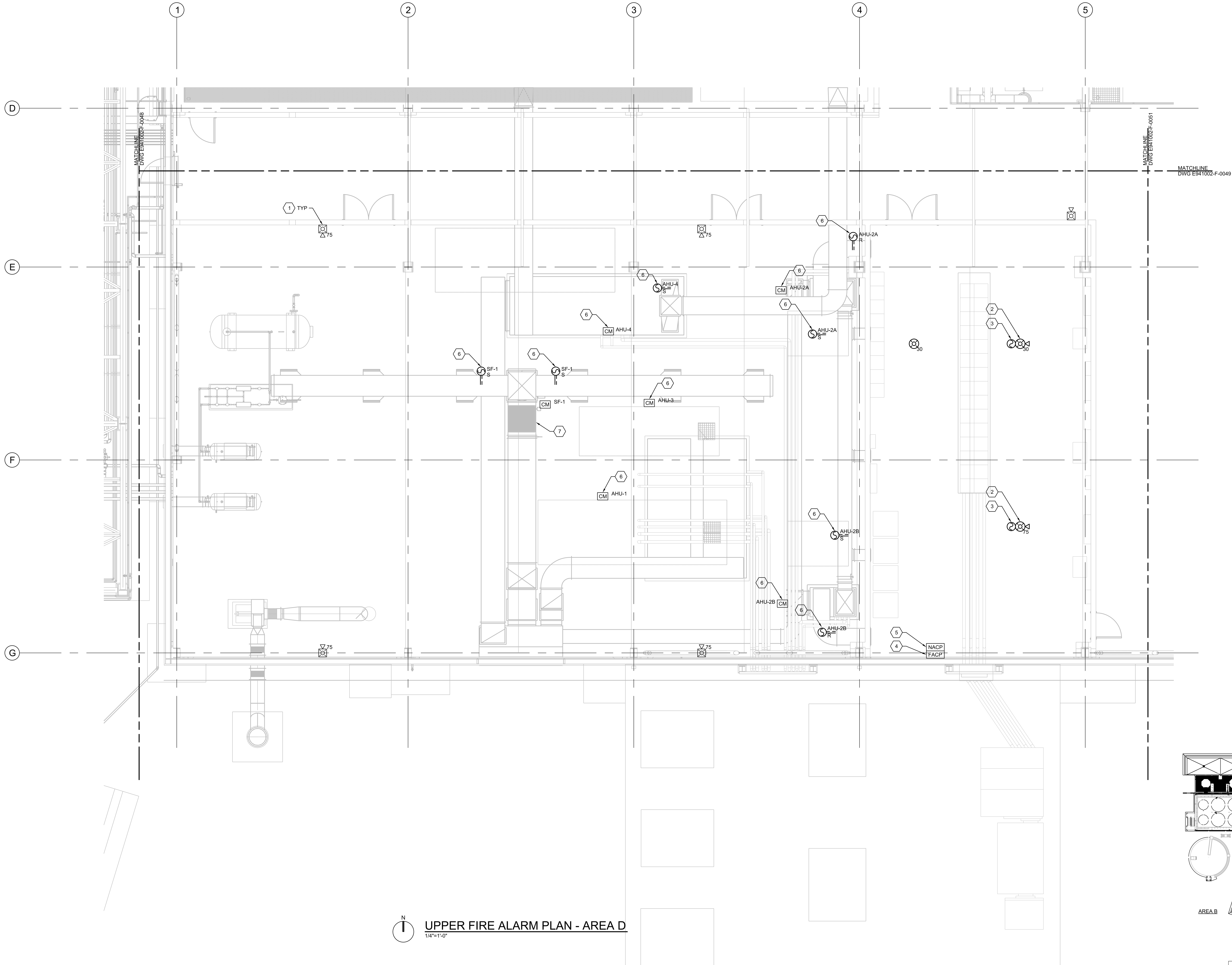


UPPER FIRE ALARM PLAN - AREA D

1/4"=1'-0"

GENERAL NOTES

A. FOR FAS LEGEND AND GENERAL FAS NOTES, SEE DWG E941001-F-0003.

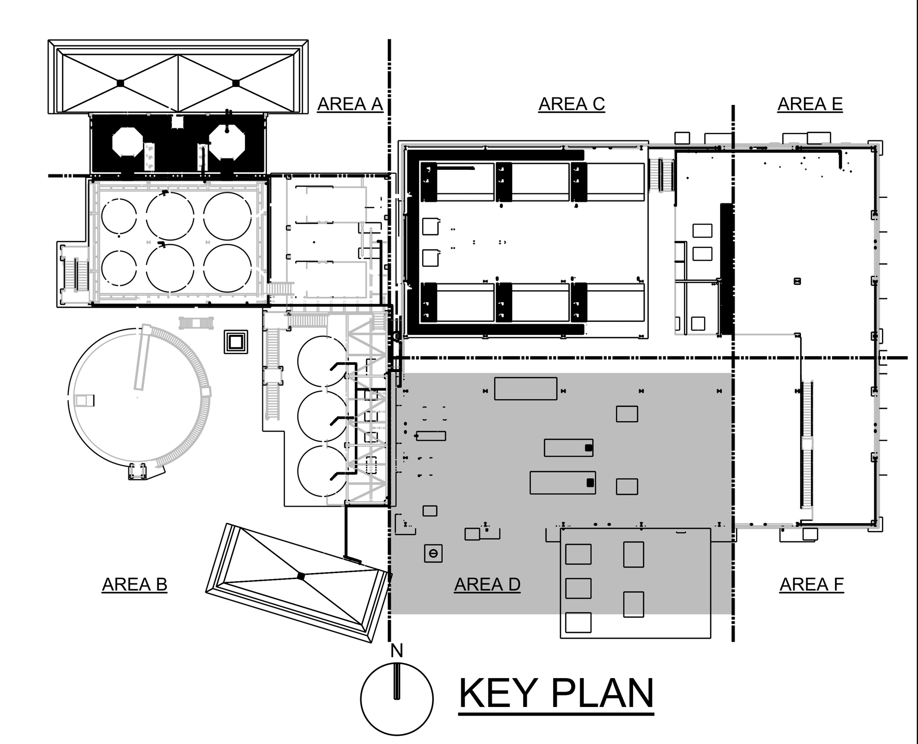
B. COORDINATE LOCATION OF DEVICES WITH OTHER SYSTEMS (HVAC, LIGHTS, ETC.) BUT MAINTAIN ADEQUATE SPACING TO MEET NFPA AUDIBILITY OR COVERAGE REQUIREMENTS.

C. UNLESS OTHERWISE NOTED, QUANTITY AND SIZING OF CONDUIT AND CONDUCTORS ARE THE RESPONSIBILITY OF THE FAS CONTRACTOR. FAS CONTRACTOR IS RESPONSIBLE TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM.

D. FOR FIRE ALARM DEVICE INSTALLATION REQUIREMENTS, SEE DETAIL 2/E941001-F-0007. TYPICAL ALL DEVICES SHOWN THIS SHEET.

SHEET KEYNOTES

1. MOUNT DEVICE AT 96" AFF TO TOP OF LENS.
2. PENDANT MOUNT AT 10'-0" AFF.
3. SMOKE DETECTOR PER NFPA-72 ARTICLES 10.15 AND 17.7.3.2.4.2(5)
4. NEW FIRE ALARM CONTROL PANEL, GE EST-3, PER SPECIFICATIONS. MOUNT 60" AFF TO TOP OF ENCLOSURE. CO- LOCATE BATTERY CABINET.
5. NACP, QUANTITY AS CONTRACTOR DETERMINED TO SERVE ALL NAC APPLIANCES.
6. DUCT SMOKE DETECTOR FOR HVAC/AHU/SF SHUTDOWN. WIRE ADDRESSABLE CONTROL RELAY TO SHUT DOWN AHU UPON SMOKE DETECTION AND SIGNAL FROM FAS. WIRE ACROSS ADDRESSABLE CONTROL RELAY: DO NOT USE RELAY CONTACTS ON DUCT DETECTOR. PROVIDE INTERPOSING RELAY AS REQUIRED. INSTALL ADDRESSABLE CONTROL RELAYWITHIN 3' OF UNIT. SHUT-DOWN CONTROL POINT; FIELD COORDINATE.
7. RETURN SIDE DUCT SMOKE DETECTION NOT REQUIRED, PER IMC ARTICLE 606.2 EXCEPTION.



KEY PLAN

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PART	REV	DESCRIPTION	DRW	CHKR	DE	DVR	DM	DATE	PE	DATE
	Ø	ISSUED FOR CONSTRUCTION	KB	BW	CC		LE	06/2017		

REVISION OR ISSUE PURPOSE — REVISION APPROVALS

SQUAD CHECK: WE | AR | CV | ST | HV | EM | FP | PD | EE | IE | M | NP

RPE — JAMES KEITH LANDMAN, REGISTERED ENGINEER, AGRICULTURE, COMMERCE, No. 119038, STATE OF TENNESSEE — 6-30-2017

REV. DATE — DRAWING APPROVALS

DRW	K BARTLETT	06/16/17
CHKR	B WILKINSON	06/16/17
DE	C CURTIS	06/16/17
DVR		
DM	L ELLIS	06/16/17
PE	Teresa J. Pierce, P.E.	

DATE

UCOR URS | CH2M Oak Ridge LLC

OF200 Mercury Treatment Facility

Designed by URS|CH2M Oak Ridge LLC (UCOR) for the Department of Energy
Oak Ridge Office of Environmental Management
under U. S. Government contract DE-SC-0004645

Y-12 National Security Complex managed and operated by Consolidated Nuclear Security, LLC for the Department of Energy under U.S. Government contract DE-NA0001942
∘ Oak Ridge, Tennessee ∘

PROJECT NAME:
OF200 MERCURY TREATMENT FACILITY

ELECTRICAL
TREATMENT FACILITY
UPPER FIRE ALARM PLAN AREA D

USE	DISC	DT	DC	CM	SYSTEM	STAT	SIZE	BLDG	FL	CLASS
3	E	F	L	NC	FAC	AR	E	9410-02	2	U

SH.	OF	TYPE	DWG NO.	PART	REV
1	1	DD	E941002-F-0050	000	0

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MicroStation

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