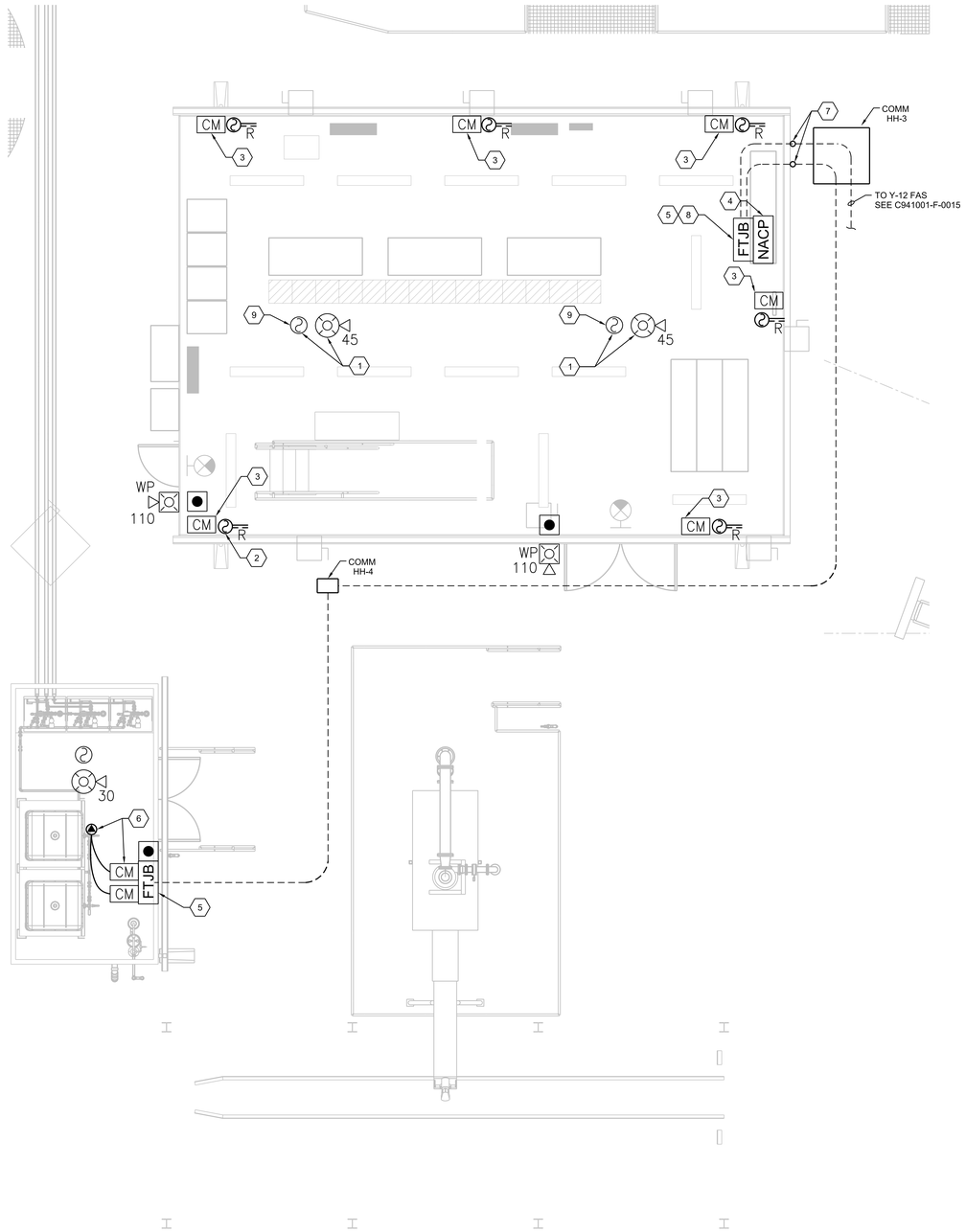

UPPER FIRE ALARM PLAN

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 TIGHT TO BOTTOM CHORD OF ROOF TRUSS.
2. ADDRESSABLE DUCT SMOKE DETECTOR PROVIDED PER IMC ARTICLE 602.2.1 AND NFPA 90A. TYPICAL ALL SHOWN.
3. ADDRESSABLE CONTROL RELAY MODULE. USE RELAY MODULE FOR HVAC SHUT- DOWN FUNCTIONS. PROVIDE UL-LISTED INTERPOSING RELAY AS REQUIRED. WIRE RELAYS FAIL-SAFE TO SHUT-DOWN HVAC UPON LOSS OF POWER OR SIGNAL FROM FAS.
4. NOTIFICATION APPLIANCE CIRCUIT POWER SUPPLY. SEE RISER DIAGRAM ON DWG E941001-F-0007.
5. FIRE ALARM TERMINAL JUNCTION BOX, HOUSING INCOMING SLC SERVICE CONDUCTOR ENTRY, DISCONNECT JUMPERS, AND SURGE PROTECTIVE DEVICES. SEE RISER DIAGRAM ON DWG E941001-F-0007.
6. PROVIDE ADDRESSABLE DRY-CONTACT SUPERVISION MODULES TO SUPERVISE DRY-CHEMICAL SUPPRESSION SYSTEM "ALARM" AND "TROUBLE" CONTACTS.
7. ROUTE CONDUIT UP SIDE OF BUILDING TO ABOVE-GRADE. PENETRATE STRUCTURE USING RIGHT-ANGLE CONDUIT BODIES.
8. MOUNT BELOW NACP.
9. SMOKE DETECTION PROVIDED PER NFPA-72 ARTICLE 10.15

THIS DRAWING IS LOANED FOR SOLE USE OF THE INTENDED RECIPIENT AND ONLY FOR THE LIMITED PURPOSES FOR WHICH IT WAS PROVIDED. USE BY OTHER ENTITIES OR FOR OTHER PURPOSES IS PROHIBITED AND AT THE USER'S OWN RISK. DRAWINGS ARE TO BE RETURNED UPON REQUEST OF THE FORWARDING RECIPIENT.

PART	REV	DESCRIPTION	DRW	CHKR	DE	DVR	DM	DATE	PE	DATE	WE	AR	CV	ST	HV	EM	FP	PD	EE	IE	M	NP
	0	ISSUED FOR CONSTRUCTION	KB	BW	CC		LE	06/2017														

REVISION OR ISSUE PURPOSE — REVISION APPROVALS — SQUAD CHECK

RPE: JAMES KEITH LANDMAN, REGISTERED ENGINEER, AGRICULTURE, No. 119035, STATE OF TENNESSEE — 6-30-2017

REV.	DATE

DRAWING APPROVALS		DATE
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.	

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
HEADWORKS
UPPER FIRE ALARM PLAN

USE	DISC	DT	DC	CM	SYSTEM	STAT	SIZE	BLDG	FL	CLASS
3	E	F	L	NC	FAC	AR	E	9410-01	1	U

SH.	OF	TYPE		PART	REV
1	1	DD	E941001-F-0024	000	0

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ISSUED FOR CONSTRUCTION

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