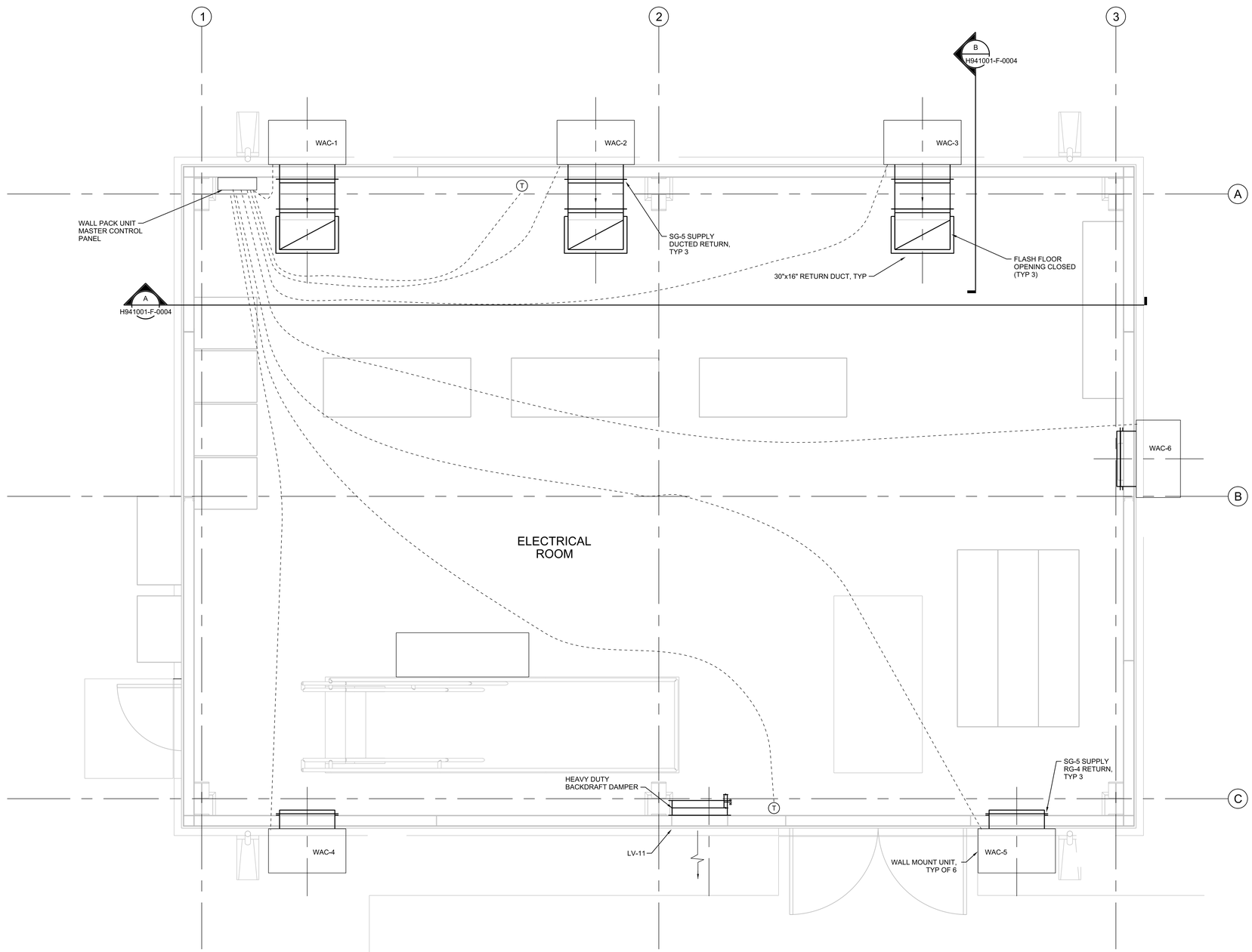

N

GROUND LEVEL HVAC PLAN

1/2"=1'-0"

GENERAL NOTES

1. ALL AIR HANDLING UNITS CONDENSATE DRAIN TRAPS SHALL BE PER DETAIL 5/H941002-F-0012.
2. ALL DUCTWORKS SUPPORT SHALL BE PER THE SPECIFICATIONS AND PER DETAIL 6/H941002-F-0012.
3. FLOOR AND WALL DUCT PENETRATIONS SHALL BE PER DETAIL 10/H941002-F-0012
4. ALL EQUIPMENT LOCATION DIMENSIONS ARE FOR REFERENCE ONLY. ACTUAL EQUIPMENT LOCATIONS SHALL BE COORDINATED IN THE FIELD.
5. REFER TO SHEET H941002-F-0017 FOR EQUIPMENT SCHEDULES.

SEQUENCE OF OPERATION

1. SETPOINTS
   a. SUMMER 85° F.
   b. WINTER 55° F.
2. THE MASTER CONTROL PANEL SHALL BE CAPABLE OF STAGING UNITS ON/OFF BASED ON BUILDING DEMAND, LED-LAG, FAIL OVER AND ALARMING FUNCTIONS. THE CONTROL PANEL SHALL DIVIDE THE UNITS INTO TWO SEPARATE OPERATING ZONES. WAC-1, 2, 3 SHALL BE ZONE 1 AND WAC-4, 5, 6 SHALL BE ZONE 2. EACH ZONE SHALL RUN INDEPENDENT OF EACH OTHER.
3. ZONE 1 AND ZONE 2 SHALL EACH HAVE ONE UNIT THAT RUNS CONTINUOUSLY. TEMPERATURE FOR EACH ZONE SHALL BE CONTROLLED INDEPENDENTLY.
4. MASTER CONTROL PANEL SHALL STAGE THE NUMBER OF UNITS ON AND OFF AS REQUIRED TO MEET ROOM SETPOINT. ADDITIONAL THE PANEL SHALL ROTATE THE OPERATION OF UNITS TO ALLOW FOR EVEN RUN TIME ON ALL UNITS.
5. IN THE EVENT A UNIT FAILS TO START AN ALARM SHALL BE INITIATED AT THE PANEL UNTIL ACKNOWLEDGED.
6. IN THE EVENT THE MASTER CONTROL PANEL FAILS EACH WALL AIR CONDITIONING UNIT SHALL BE CAPABLE OF RUNNING INDEPENDENTLY.

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
	0	ISSUED FOR CONSTRUCTION	JP	JM	TP		LE	06/2017

REVISION OR ISSUE PURPOSE — REVISION APPROVALS (PE, DATE) — SQUAD CHECK (WE, AR, CV, ST, HV, EM, FP, PD, EE, IE, M, NP)

RPE: THEODORE J. PRICE, STATE OF TENNESSEE, COMMISSION NO. 107.1351, 03 JUL 2017

DRW	J PIGMAN	06/16/17
CHKR	J McMURREN	06/16/17
DE	T PRICE	06/16/17
DVR		
DM	L ELLIS	06/16/17
PE	Teresa J. Pierce, P.E.	

REV. DATE — DRAWING APPROVALS — 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

HVAC HEADWORKS UPPER LEVEL HVAC PLAN

USE	DISC	DT	DC	CM	SYSTEM	STAT	SIZE	BLDG	FL	CLASS
3	H	A	D	NC	FAC	AR	E	9410-01	2	U

SH.	OF	TYPE		PART	REV
1	1	DD	H941001-F-0003	000	0

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