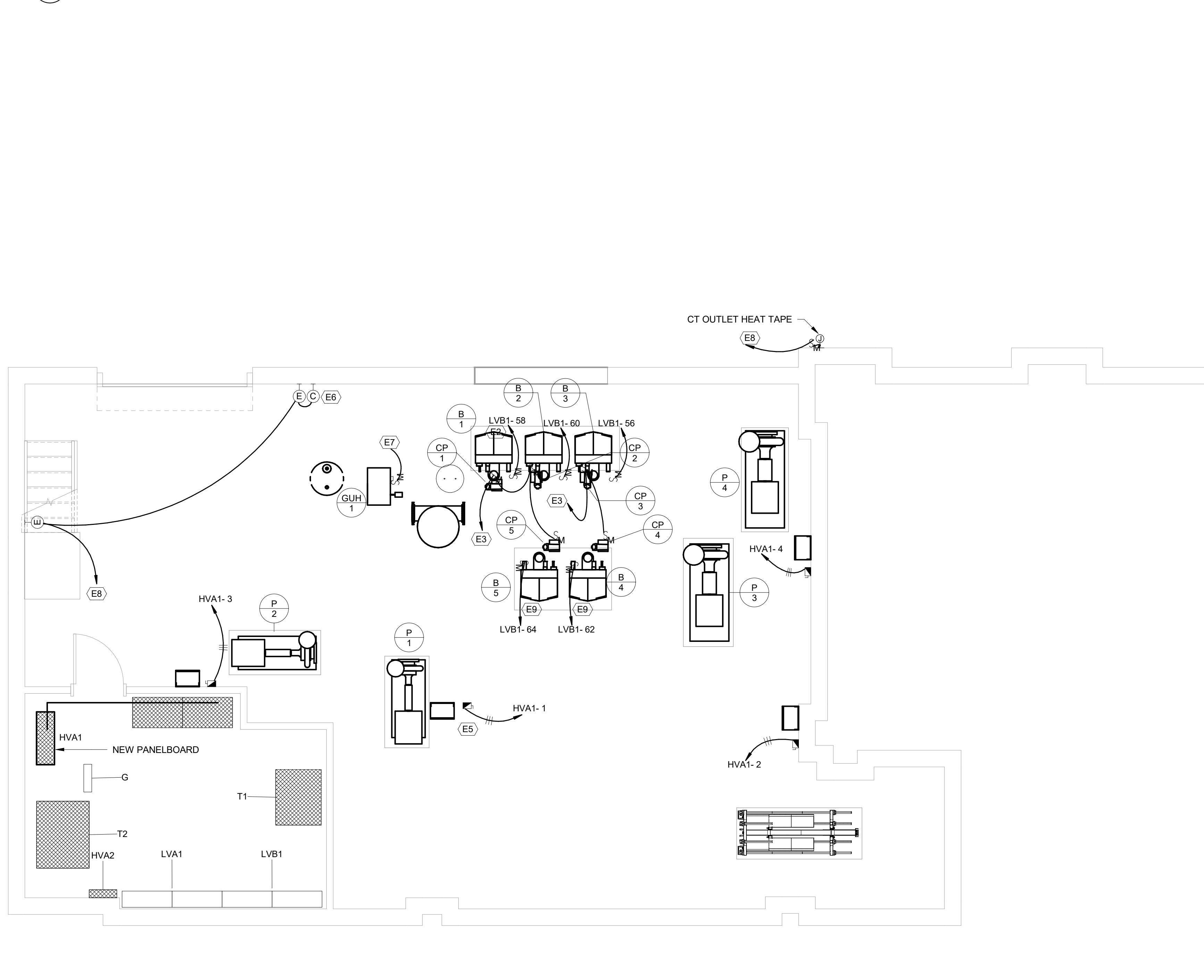
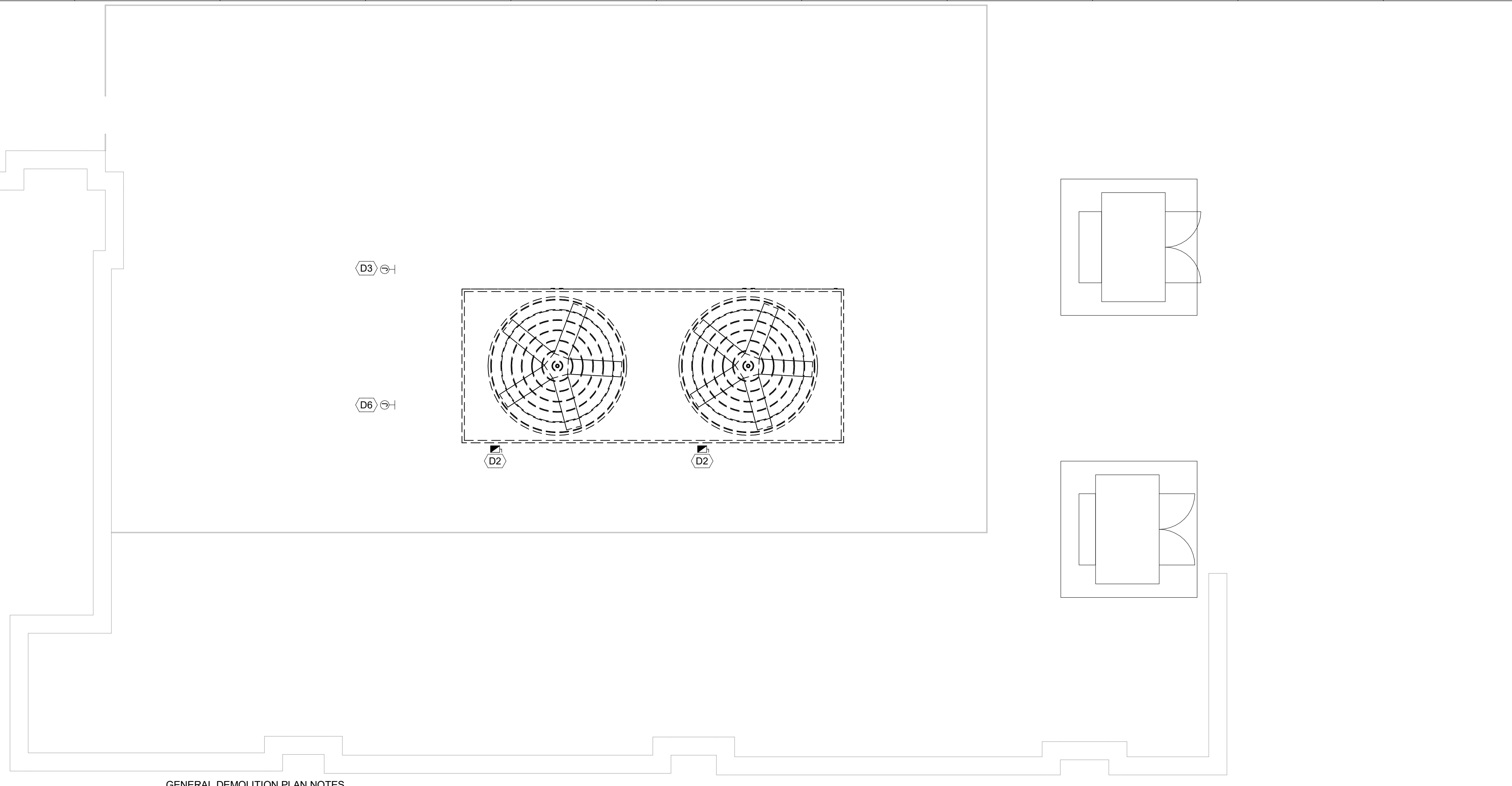


2 ELECTRICAL DEMOLITION PLAN
E101 1/4" = 1'-0"



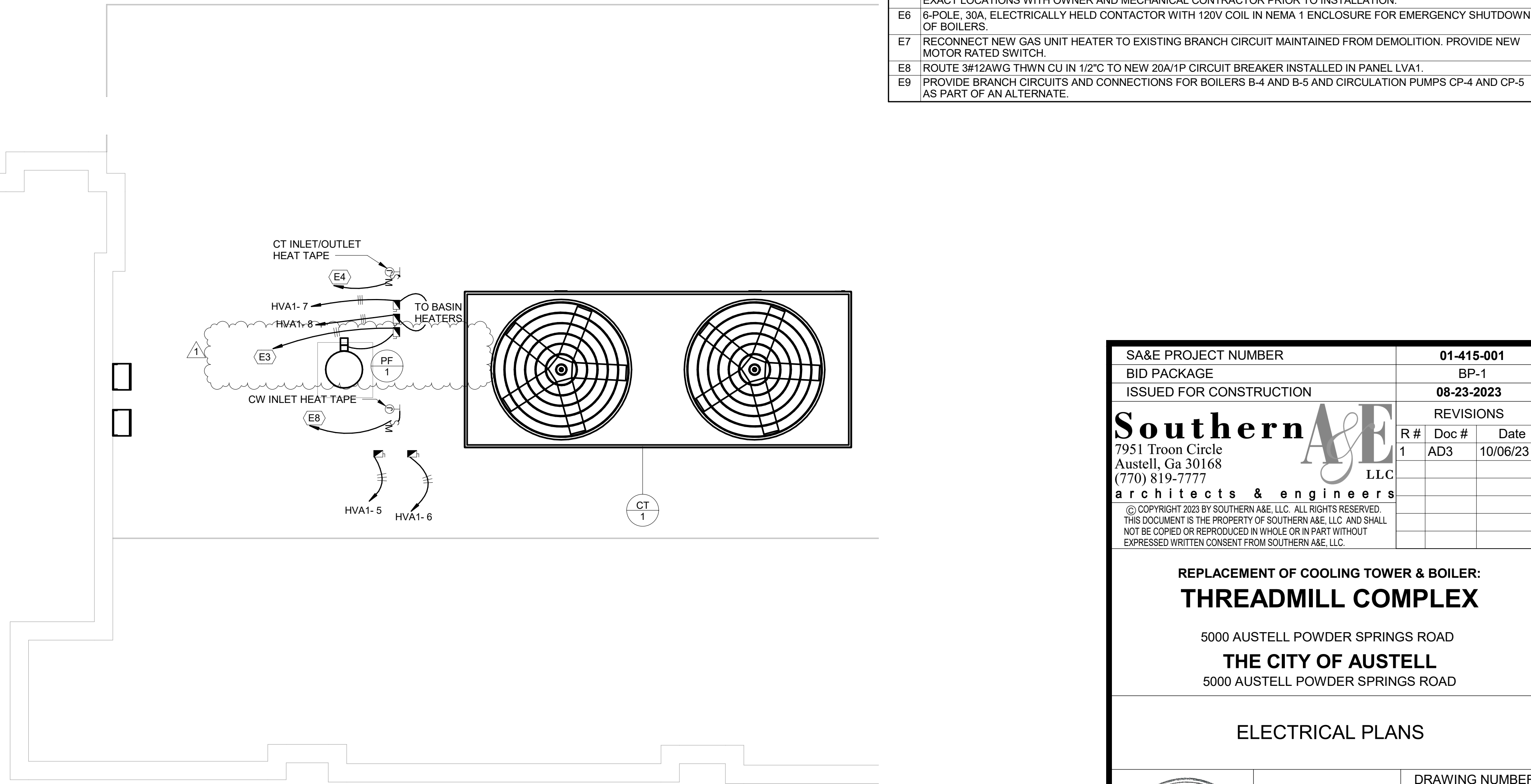
3 ELECTRICAL RENOVATION PLAN
E101 1/4" = 1'-0"



GENERAL DEMOLITION PLAN NOTES

- UNLESS OTHERWISE NOTED, ALL ELECTRICAL PANELS AND GEAR SHALL REMAIN.
- WHERE EXISTING RACEWAY AND BOXES ARE CONCEALED IN WALLS ARE SUITABLE FOR REUSE, CONTRACTOR MAY UTILIZE THEM FOR NEW WIRING AND/OR DEVICES.
- WHERE EXISTING CIRCUITS ARE DEMOLISHED, CONTRACTOR SHALL REMOVE ANY UNUSED RACEWAY WHERE EXPOSED AND PROVIDE STAINLESS STEEL BLANK COVERS FOR ALL ABANDONED OUTLET BOXES. SEAL ANY RESULTANT HOLES IN WALLS TO BE WEATHER-TIGHT OR FIRE RESISTIVE AS APPROPRIATE.
- CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS TO MAINTAIN ELECTRICAL SYSTEMS FUNCTIONS THROUGHOUT THE OCCUPIED PORTIONS OF THE BUILDING DURING DEMOLITION AND RENOVATION PHASES. ANY NECESSARY SYSTEM OUTAGES SHALL BE KEPT TO A MINIMUM AND COORDINATED WITH THE OWNER IN ADVANCE.
- REVIEW ALL DEMOLISHED EQUIPMENT WITH OWNER TO DETERMINE WHAT EQUIPMENT THE OWNER DESIRES TO KEEP. REMOVE THIS EQUIPMENT WITH CARE AND TURN OVER TO OWNER. ITEMS NOT DESIRED BY THE OWNER SHALL BE DISPOSED IN ACCORDANCE WITH APPLICABLE REGULATIONS.

KEYNOTE SCHEDULE	
#	KEYNOTE DESCRIPTION
D1	APPROXIMATE LOCATION OF EXISTING ELECTRICAL PANEL TO BE REPLACED. DEMOLISH EXISTING FEEDER CONDUIT AND CONDUCTORS. LEAVE EXISTING BRANCH CIRCUITS INTACT FOR RECONNECTION, UNLESS OTHERWISE NOTED. FIELD VERIFY EXISTING DEVICE CAPACITIES FOR CIRCUITS TO REMAIN, AND COORDINATE WITH PANEL SCHEDULE ON DRAWINGS.
D2	EXISTING MECHANICAL EQUIPMENT TO BE REPLACED. REMOVE EXISTING DISCONNECT SWITCH, LEAVE EXISTING BRANCH CIRCUIT CONDUIT INTACT IF SUITABLE FOR NEW BRANCH CIRCUIT WIRING. OTHERWISE, DEMOLISH CONDUIT AND PROVIDE NEW. REFER TO MECHANICAL DEMOLITION PLANS, AND ELECTRICAL RENOVATION PLANS. ALSO PROVIDE NEW LOAD SIDE CONDUIT AND CONDUCTORS AS REQUIRED FOR CONNECTION TO NEW EQUIPMENT.
D3	EXISTING HEAT TAPE CIRCUIT - REUSE IF POSSIBLE. FIELD VERIFY EXISTING CIRCUIT CHARACTERISTICS.
D4	EXISTING MECHANICAL EQUIPMENT TO BE REPLACED. LEAVE BRANCH CIRCUIT CONDUIT AND CONDUCTORS INTACT FOR RECONNECTION TO NEW EQUIPMENT. REFER TO MECHANICAL DEMOLITION PLANS, AND ELECTRICAL RENOVATION PLANS. PROVIDE NEW LOAD SIDE CONDUIT AND CONDUCTORS AS REQUIRED FOR CONNECTION TO NEW EQUIPMENT.
D6	EXISTING MECHANICAL EQUIPMENT TO BE REPLACED WITH NEW EQUIPMENT HAVING DIFFERENT ELECTRICAL REQUIREMENTS. DISCONNECT AND REMOVE EXISTING DISCONNECT SWITCH, BRANCH CIRCUIT CONDUIT AND CONDUCTORS. REFER TO MECHANICAL DEMOLITION PLANS, AND ELECTRICAL RENOVATION PLANS. REMOVE EXISTING BRANCH CIRCUIT BREAKER FROM PANEL TO MAKE SPACE FOR NEW DEVICE.
E2	RECONNECT BOILER TO EXISTING CIRCUIT MAINTAINED FROM DEMOLITION. ROUTE ALL BOILER CIRCUITS THROUGH CONTACTOR FOR EMERGENCY SHUTDOWN. (TYPICAL)
E3	ROUTE 3#12AWG THWN CU IN 1/2" TO NEW 20A/2P CIRCUIT BREAKER INSTALLED IN PANEL LVA1.
E4	CONNECT NEW HEAT TAPE TO EXISTING CIRCUIT IF POSSIBLE, OTHERWISE PROVIDE NEW 120V/20A CIRCUIT WITH 3#12AWG CU IN 1/2".
E5	PROVIDE FLOOR MOUNTED UNISTRUT FRAME FOR MOUNTING OF DISCONNECT SWITCH AND VFD IN A WAY THAT MEETS REQUIRED WORKING CLEARANCES AND ALLOWS ACCESS TO OTHER EQUIPMENT IN THE SPACE. COORDINATE EXACT LOCATIONS WITH OWNER AND MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.
E6	6-POLE, 30A, ELECTRICALLY HELD CONTACTOR WITH 120V COIL IN NEMA 1 ENCLOSURE FOR EMERGENCY SHUTDOWN OF BOILERS.
E7	RECONNECT NEW GAS UNIT HEATER TO EXISTING BRANCH CIRCUIT MAINTAINED FROM DEMOLITION. PROVIDE NEW MOTOR RATED SWITCH.
E8	ROUTE 3#12AWG THWN CU IN 1/2" TO NEW 20A/1P CIRCUIT BREAKER INSTALLED IN PANEL LVA1.
E9	PROVIDE BRANCH CIRCUITS AND CONNECTIONS FOR BOILERS B-4 AND B-5 AND CIRCULATION PUMPS CP-4 AND CP-5 AS PART OF AN ALTERNATE.



SA&E PROJECT NUMBER	01-415-001
BID PACKAGE	BP-1
ISSUED FOR CONSTRUCTION	08-23-2023
Southern A&E	
7951 Troon Circle Austell, Ga 30168 (770) 819-7777	REVISIONS
architects & engineers	R# Doc# Date
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REPLACEMENT OF COOLING TOWER & BOILER:
THREADMILL COMPLEX
5000 AUSTELL POWDER SPRINGS ROAD
THE CITY OF AUSTELL
5000 AUSTELL POWDER SPRINGS ROAD

ELECTRICAL PLANS

	STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS SOUTHERN A & E, LLC ENGINEER FIRM LICENSE NO: PE0030374 EXP. DATE: 06/30/2024	DRAWING NUMBER <h1 style="margin: 0;">E101</h1>
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