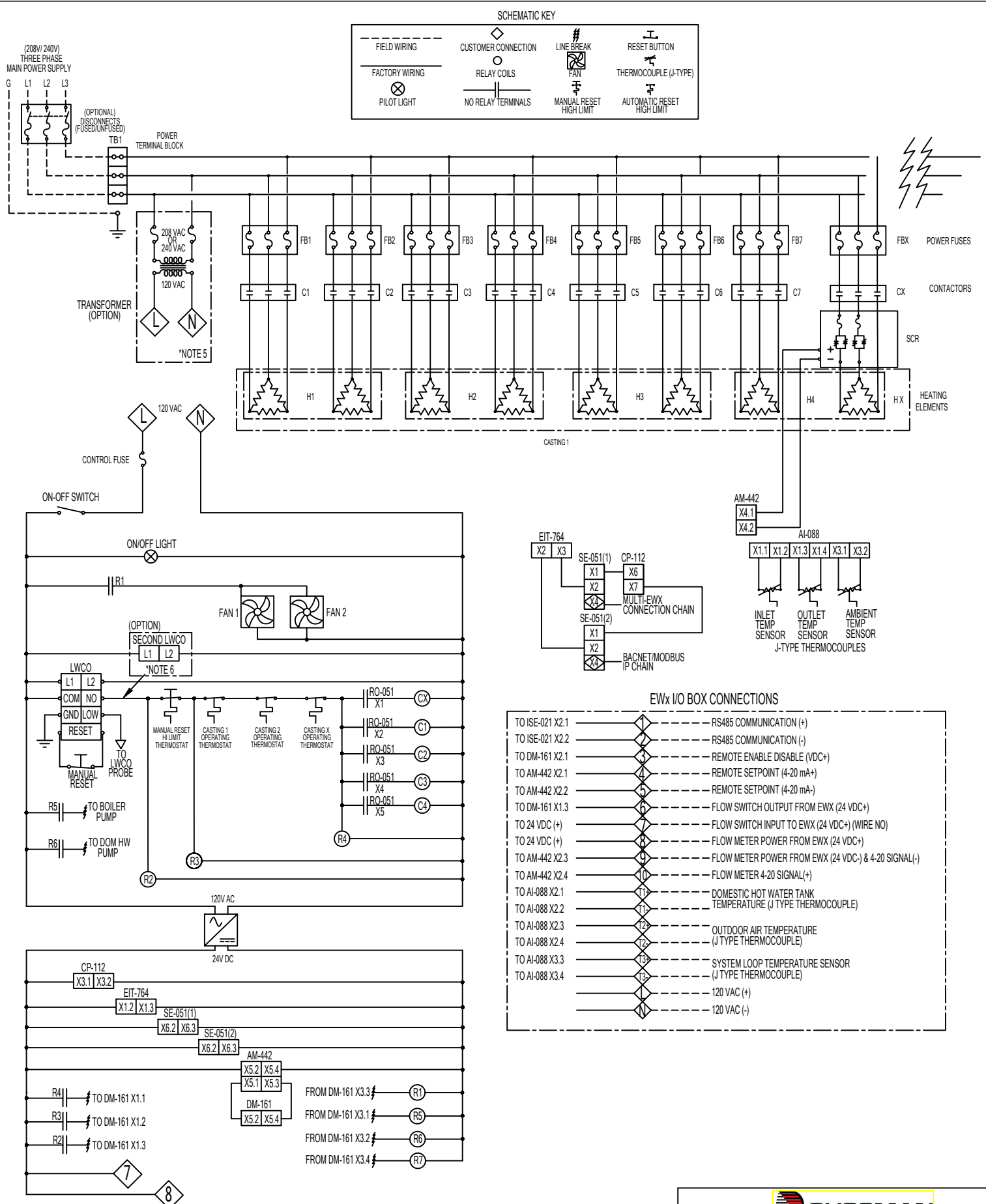




EWX I/O BOX CONNECTIONS	
TO ISE-021 X2.1	RS485 COMMUNICATION (+)
TO ISE-021 X2.2	RS485 COMMUNICATION (-)
TO DM-161 X2.1	REMOTE ENABLE DISABLE (VDC+)
TO AM-442 X2.1	REMOTE SETPOINT (4-20 mA+)
TO AM-442 X2.2	REMOTE SETPOINT (4-20 mA-)
TO DM-161 X1.3	FLOW SWITCH OUTPUT FROM EWX (24 VDC+)
TO 24 VDC (+)	FLOW SWITCH INPUT TO EWX (24 VDC+) (WIRE NO)
TO 24 VDC (+)	FLOW METER POWER FROM EWX (24 VDC+)
TO AM-442 X2.3	FLOW METER POWER FROM EWX (24 VDC-) & 4-20 SIGNAL(-)
TO AM-442 X2.4	FLOW METER 4-20 SIGNAL(+)
TO AI-088 X2.1	DOMESTIC HOT WATER TANK TEMPERATURE (J TYPE THERMOCOUPLE)
TO AI-088 X2.2	OUTDOOR AIR TEMPERATURE (J TYPE THERMOCOUPLE)
TO AI-088 X2.3	SYSTEM LOOP TEMPERATURE SENSOR (J TYPE THERMOCOUPLE)
TO AI-088 X3.3	120 VAC (+)
TO AI-088 X3.4	120 VAC (-)

NOTES:

- SEE BOILER NAMEPLATE FOR POWER AND CONTROL VOLTAGE RATINGS.
 - SCRs WILL ALWAYS BE WIRED OFF THE FIRST RO-051 : (X1)
- CASTINGS WILL HAVE A MAXIMUM OF 4 ELEMENTS.
 - EACH CASTING WILL CONTAIN AN OPERATING TEMPERATURE SWITCH
- POWER FUSES STANDARD ON BOILERS.
- 2 CONTACTORS AND 2 FUSE BLOCKS FOR EVERY 208V ELEMENT
 - EXAMPLE: 270kW 208V BOILER WILL HAVE 9 ELEMENTS AND 18 CONTRACTORS
- (OPTION) SECONDARY SIDE OF THE TRANSFORMER WILL CONNECT TO L & N IN THE IO BOX
- (OPTION) ADDITIONAL LWCO TO BE ADDED IN SERIES TO THE SAFETY STRING AFTER THE ORIGINAL LWCO; BOTH LWCO BOARDS TO SHARE MANUAL RESET BUTTON



439 MAIN RD. TOWACO NJ 07082

PHONE: (800) 221-1522

FAX: (855) 221-2400

EW-X ELECTRIC WATER BOILERS

WITH 208V POWER VOLTAGE

ELECTRICAL WIRING SCHEMATIC DRAWING

B	-	SC	4/9/25	NAME	DATE	DWG.#	REV
A	-	SC	2/13/26	DRAWN BY	SC	4/9/26	
REV	ECO #	BY	DATE	CHECKED BY	DM	4/9/26	

EWX-G-WIRE-208

B