ELECTRICAL INSTALLATION INSTRUCTIONS

WARNING: Elderly persons, pregnant women, or those suffering from heart disease, high blood pressure, diabetes, or not in good health must not use this device. unless directed by a physician. Also, steambathing should be avoided while intoxicated ***IMPORTANT.*** The warranty of this product is void if it is used in a commercial application orfor anything other than a residential steambath installation.

The Steamist Steam Generator comes factory assembled, carefully wired and tested.

NOTE: ALL "SM" Models are designed to be used with the TC-110, TC- 130 and TC- 135 controls.

IMPORTANT: All electrical connections must be performed by a licensed electrician in accordance with local and national electrical codes. Power must be turned OFF before making any connections.

1. Pre-Installation

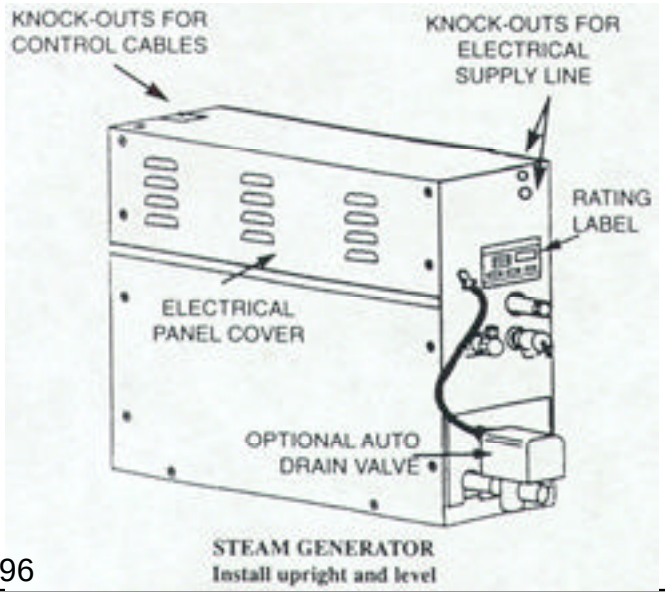
a) Proper electrical supply (208 or 240 Volt): See rating label on steam generator and chart on back cover. Determine proper size of wire, voltage, amperage, and phase for the steam generator. Only UL Rated 90'C wire can be used.

b) In-line fuse/circuit breaker required: Fuse/circuit breaker to be installed must be sized in accordancewith chart cn back page. Do NOT install a GFI (Ground Fault Interrupter) to this equipment (per article 210-8 in the National Electric Code).

c) Route power supply cable to the location where the steam generator will be installed (before the walls are closed).

2. Electrical Rough-In

a) Route appropriate power cable to the location the steam generator will be installed. If a receptacle is desired, mount the box for receptacle near location of steam generator. (See steam generator illustration).



NOTE: The plug and receptacle require a rating of no less than 250 V and proper amperage. Refer to chart on back cover for amperage rating.

After walls are complete, the steam generator and control can be wired.

3. Steam Generator Electrical Installation

WARNING: All power to the steam generator must be turned off.

a) Remove the six screws holding the electrical access cover and remove cover.

b) Locate the supply line knock-out. Mount proper strain relief into knockout hole.

c) Strip back power cable's outer insulating jacket eight inches and insert into steam generator. Strip back insulation 1/2" from the three (3) incoming wires (two power and one ground).

d) Insert ground wire into grounding lug on the right side of the electrical compartment. Secure.
CAUTION: Be sure the ground wire does not come in contact with a live elctrical part.

e) Locate the terminal block in the upper portion of the elec trical box. Insert power wires into the powerlugs on the right of the terminal block and secure.

4. Optional Auto Drain Valve Connection

a) Open knock-out for Auto-Drain Valve conduit connection.

b) Route flexible conduit from valve to knockout and secure.

c) Connect two wires from valve to the two place terminal strip provided (See Figure 2).

Check List

Before starting, insure that the conditions on this list have been met:

- ☐ The proper size steam generator has been selected according to the STEAMIST Publication #509 "Architectural Design Guideline..." The result of an improperly sized steam generator in the steamroom may result in not enough steam to reach selected temeprature.
- ☐ The proper voltage steam generator has been selected (i.e. 208V or 240V). A 208V generator operating on 240V will damage the heating element and a 240V generator operating on a 208V will result in 25% loss of power.
- ☐ The steam generator is installed in an upright position.
- ☐ The proper size wire and circuit breaker have been used.
- ☐ The circuit breaker is not GFI (Ground Fault Interruptor)
- ☐ The steam generator is properly grounded.
- ☐ The circuit breaker or disconnect switch is on.
- ☐ Water supply is open to the steam generator.

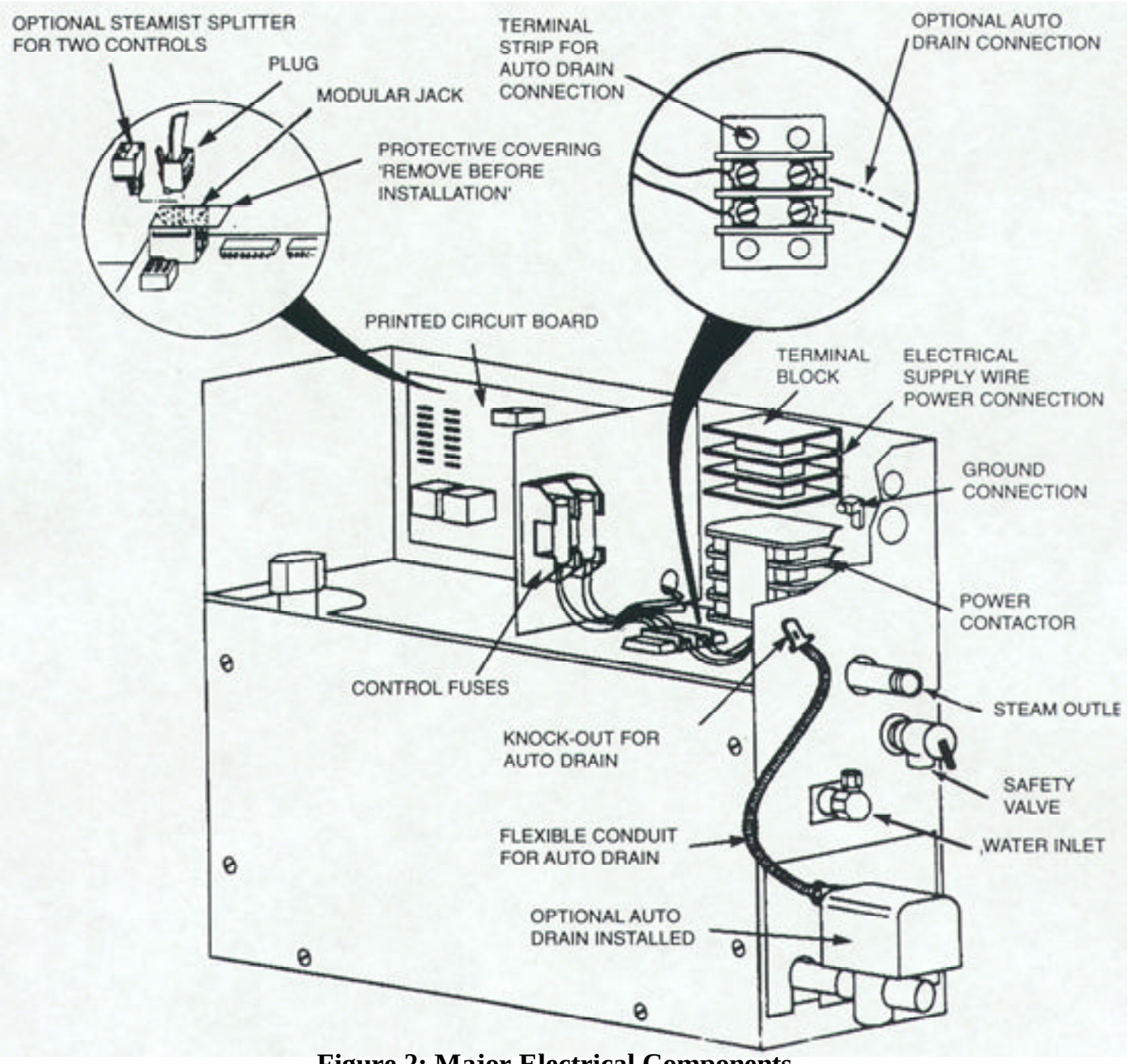


Figure 2: Major Electrical Components

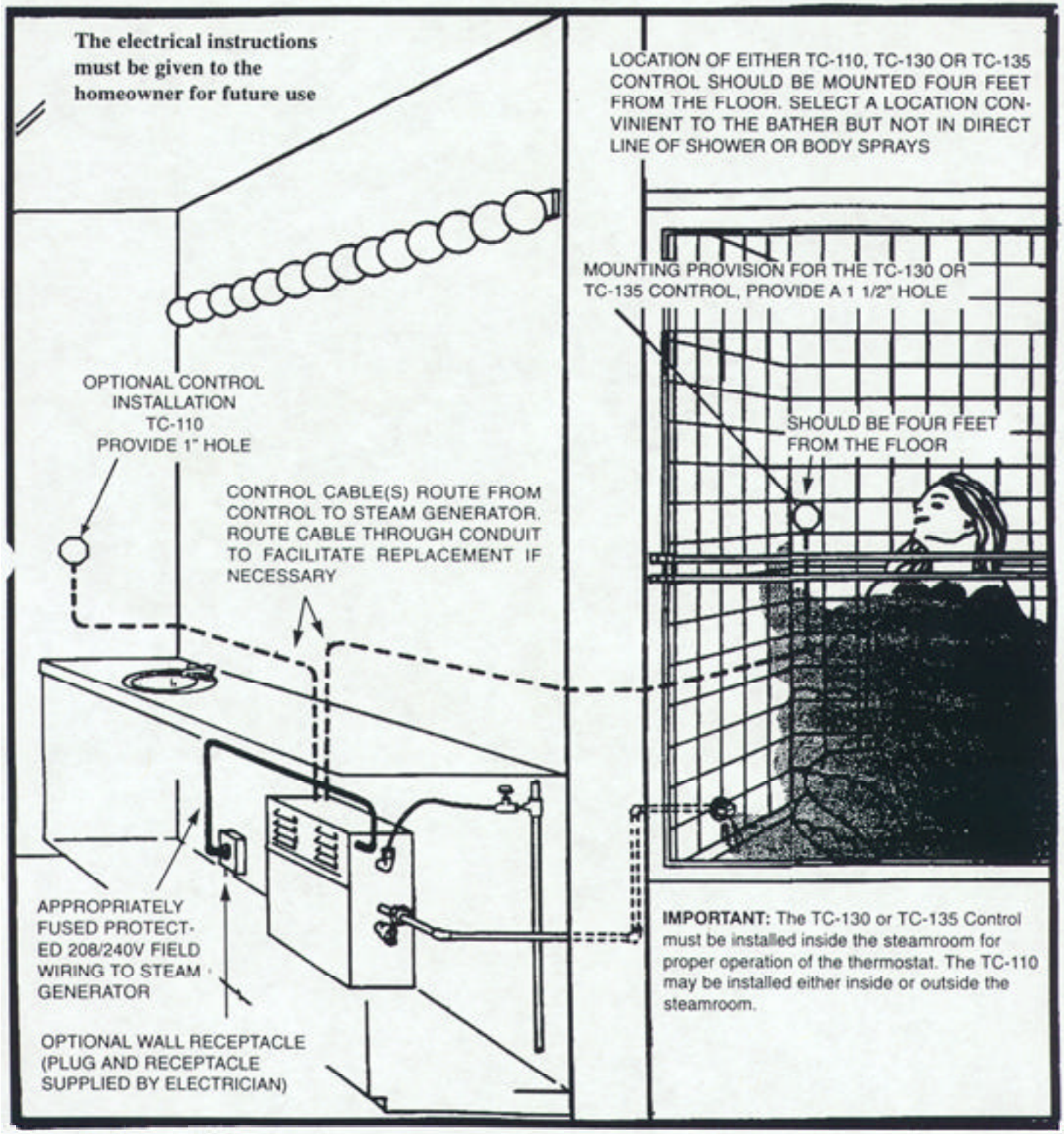
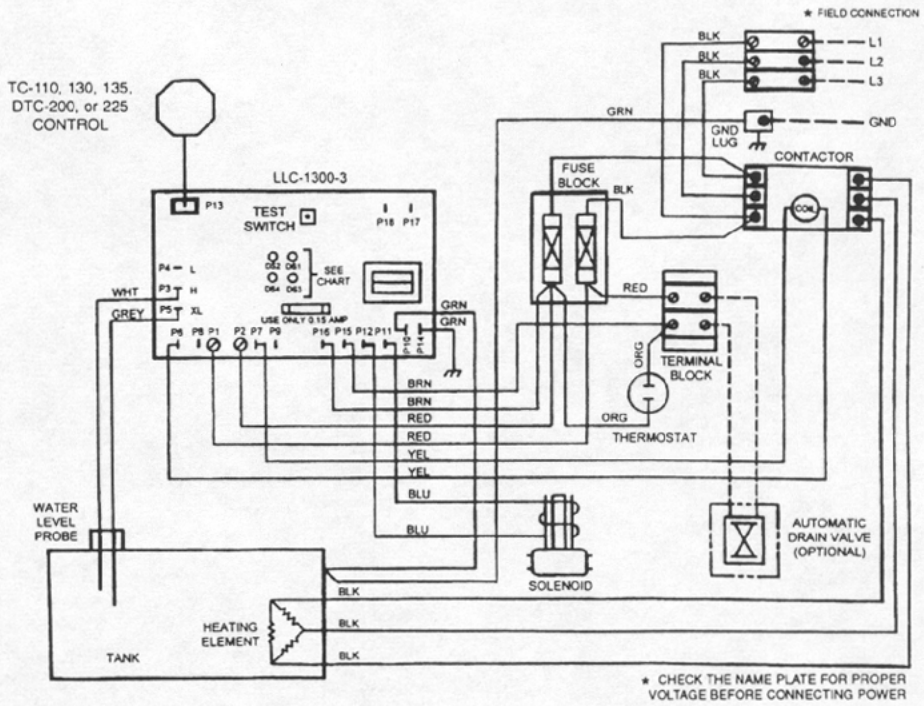


Figure 3: Typical Installation

THREE PHASE SCHEMATIC

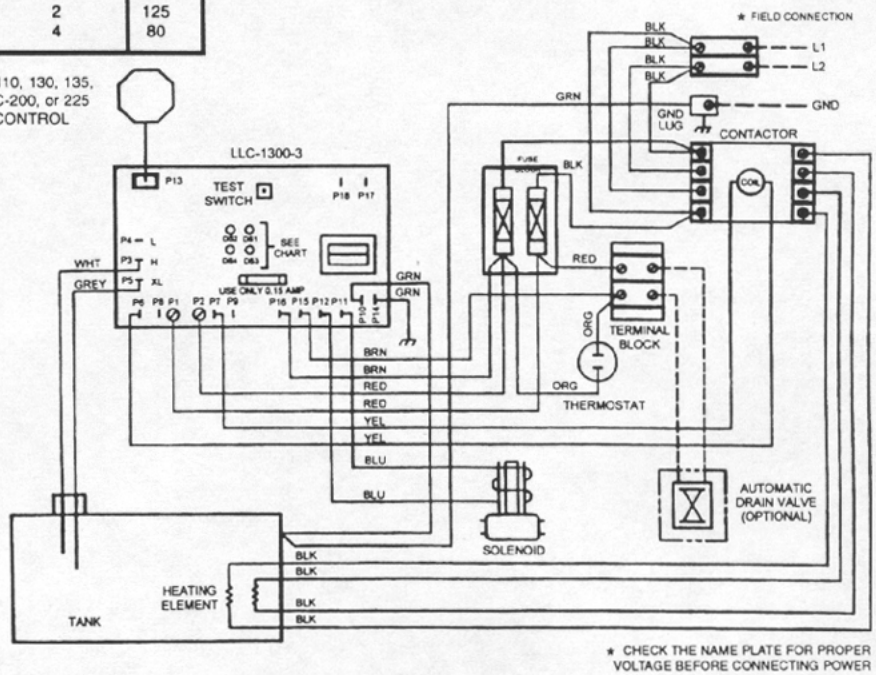


SPECIFICATION CHART

MODEL No.	MAX. CU. FT. FOR AREA UP TO	KW	VOLT	PHASE	AMPS	WIRE 90 C COPPER AWG	LINE FUSE
SM-12	450	12	208	1	58	4	80
			208	3	33	8	45
			240	1	50	6	70
			240	3	29	8	40
SM-15	550	15	208	1	72	4	90
			208	3	42	6	60
			240	1	63	4	80
			240	3	36	8	45
SM-18	650	18	208	1	87	3	110
			208	3	50	6	70
			240	1	75	3	100
			240	3	44	6	60
SM-24	800	24	208	1	115	1	150
			208	3	67	4	90
			240	1	100	2	125
			240	3	58	4	80

DS1	GRN	TIMER ON
DS2	YEL	HEAT ON
DS3	AMB	WATER FILL ON
DS4	RED	POWER ON

SINGLE PHASE SCHEMATIC



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