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ADDENDUM

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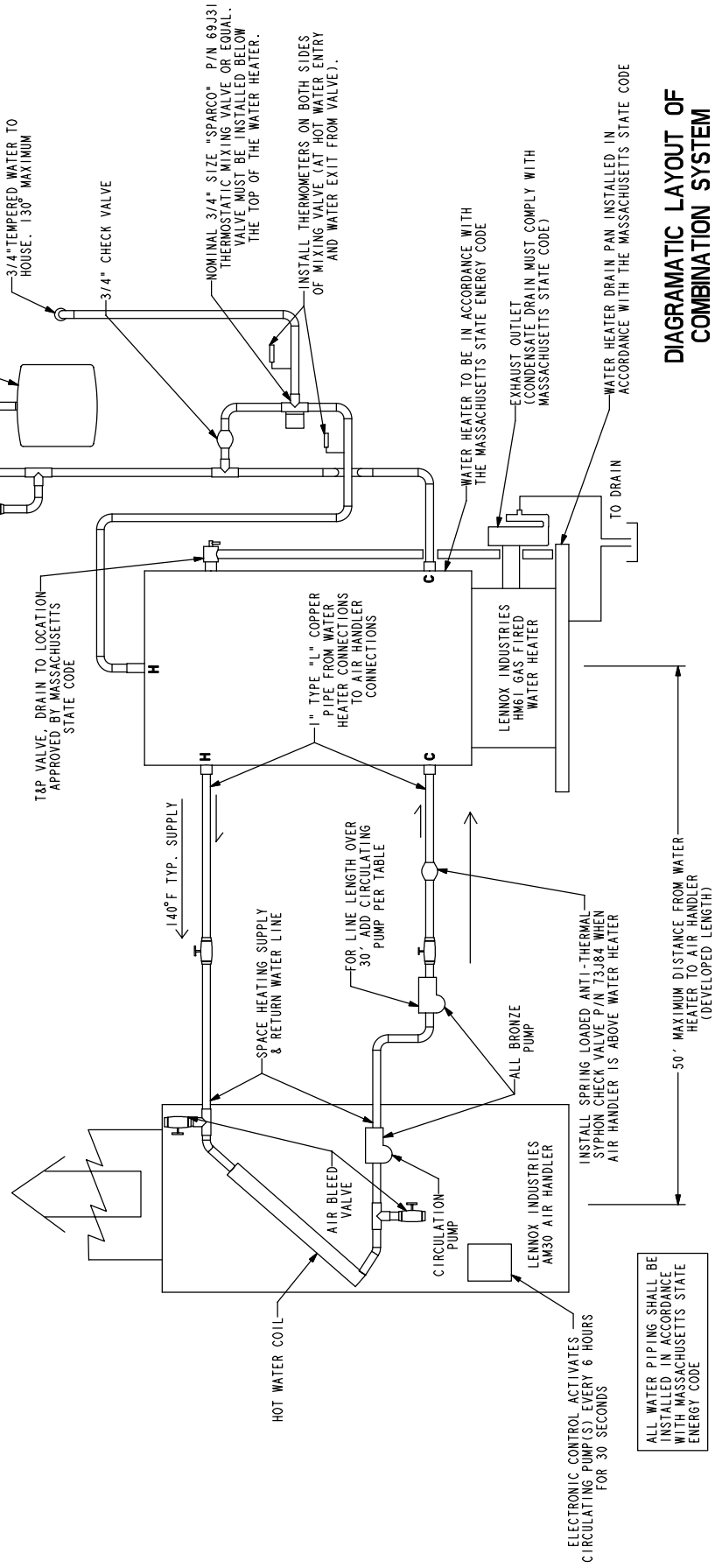
504,803M
06/03

ADDENDUM TO COMPLETEHEAT® INSTALLATION INSTRUCTIONS FOR THE COMMONWEALTH OF MASSACHUSETTS

NOTE - The illustration on the reverse side of this addendum provides a general representation of a CompleteHeat® combination system. This illustration supersedes figure 20 in installation instruction 504728M. The cold water supply and hot water piping shown in the addendum illustration are preferred in the Commonwealth of Massachusetts over those shown in the installation instruction (figures 18, 19, 21, 22, 23, 24, 25, 26 and 27).

- 1 - The CompleteHeat® System shall not be directly connected to baseboard or radiant heating systems. A heat exchanger or tankless water heater approved by the State Board of Examiners of Plumbers and Gas Fitters shall be used to prevent potable water from entering baseboard or radiant heating systems.
- 2 - Only water coils approved by the State Board of Examiners of Plumbers and Gas Fitters shall be used with potable water heating applications.
- 3 - Should an AM30 water coil need to be replaced, it shall be done by a licensed plumber after obtaining a permit and the replacement coil must be supplied by Lennox Industries.
- 4 - The CompleteHeat® System can only be installed by a licensed plumber.
- 5 - A tee-handle gas cock must be used.

WATER HEATER KBTU INPUT LENNOX IND. HM61	FAN COIL LENNOX IND. AM30	CIRCULATING PUMP FOR REMOTE INSTALLATION GREATER THAN 30'
100 & 150	AM30Q2-40	TACO 006B LENNOX P/N 53J75 OR EQUAL
100 & 150	AM30Q2/3-70	
100 & 150	AM30Q3/4-90	
100 & 150	AM30Q4/5-90	TACO 008B LENNOX P/N 53J76 OR EQUAL
150	AM30Q3/4-105	
150	AM30Q4/5-120	



**DIAGRAMATIC LAYOUT OF
COMBINATION SYSTEM
FOR MASSACHUSETTS**

ELECTRONIC CONTROL ACTIVATES
CIRCULATING PUMP(S) EVERY 6 HOURS
FOR 30 SECONDS

ALL WATER PIPING SHALL BE
INSTALLED IN ACCORDANCE
WITH MASSACHUSETTS STATE
ENERGY CODE

50' MAXIMUM DISTANCE FROM WATER
HEATER TO AIR HANDLER
(DEVELOPED LENGTH)

INSTALL SPRING LOADED ANTI-THERMAL
SYPHON CHECK VALVE P/N 73J84 WHEN
AIR HANDLER IS ABOVE WATER HEATER

WATER HEATER TO BE IN ACCORDANCE WITH
THE MASSACHUSETTS STATE ENERGY CODE

EXHAUST OUTLET
(CONDENSATE DRAIN MUST COMPLY WITH
MASSACHUSETTS STATE CODE)

WATER HEATER DRAIN PAN INSTALLED IN
ACCORDANCE WITH THE MASSACHUSETTS STATE CODE

INSTALL THERMOMETERS ON BOTH SIDES
OF MIXING VALVE (AT HOT WATER ENTRY
AND WATER EXIT FROM VALVE).

NOMINAL 3/4" SIZE "SPARCO" P/N 69J31
THERMOSTATIC MIXING VALVE OR EQUAL.
VALVE MUST BE INSTALLED BELOW
THE TOP OF THE WATER HEATER.

3/4" CHECK VALVE

3/4" TEMPERED WATER TO
HOUSE. 130" MAXIMUM

LENNOX P/N 79J14
EXPANSION TANK
OR EQUAL

PRESSURE GAGE

3/4" CHECK VALVE WITH 1/8" HOLE

3/4" SHUT-OFF VALVE (TYP.)

3/4" COLD WATER SUPPLY

ATMOSPHERIC
VACUUM BREAKER

T&P VALVE, DRAIN TO LOCATION
APPROVED BY MASSACHUSETTS
STATE CODE

1" TYPE "L" COPPER
PIPE FROM WATER
HEATER CONNECTIONS
TO AIR HANDLER
CONNECTIONS

FOR LINE LENGTH OVER
30', ADD CIRCULATING
PUMP PER TABLE

SPACE HEATING SUPPLY
& RETURN WATER LINE

140°F TYP. SUPPLY

AIR BLEED
VALVE

CIRCULATION
PUMP

LENNOX INDUSTRIES
AM30 AIR HANDLER

ALL BRONZE
PUMP

LENNOX INDUSTRIES
HM61 GAS FIRED
WATER HEATER

TO DRAIN