

**BOARD POLICY
COMBINATION SPACE
HEATING/POTABLE WATER
SYSTEM
(enacted 05-30-2012)**

TEMPERED WATER TO PLUMBING FIXTURES. MUST MEET TEMPERATURE REQUIREMENTS OF 248 CMR

TEMPERATURE & PRESSURE RELIEF VALVE AS REQUIRED

CHECK VALVE

AUTOMATIC TEMPERING DEVICE
MUST BE INSTALLED BELOW THE TOP OF THE WATER HEATER AS PER MANUFACTURER'S RECOMMENDATIONS

PRODUCT APPROVED WATER HEATER

ALL WATER PIPING SHOULD BE INSULATED IN ACCORDANCE WITH 780 CMR (MASSACHUSETTS ENERGY CODE)

VACUUM RELIEF VALVE

COLD WATER SUPPLY

SHUT OFF VALVE

CHECK VALVE WITH 1/8" HOLE DRILLED IN CLAPPER OPTIONAL

EXPANSION TANK
OPTIONAL

MIN. 2' DEVELOPED
LENGTH TYPE L
COPPER FROM
WATER HEATER

HOT WATER
SUPPLY AND
RETURN TO
HEATING COIL

MIN. 2'
DEVELOPED
LENGTH TYPE
L COPPER
FROM
WATER
HEATER

CONNECTIONS

PIPING LOOP BETWEEN
WATER HEATER AND FAN
COIL SHALL BE IN
COMPLIANCE WITH 248 CMR

HOT WATER COIL

NSF-61 PRODUCT
APPROVED PUMP

CHECK VALVE

AIR HANDLER

WATER HEATER

ELECTRONICALLY CONTROLLED
PUMP TIMER. ACTIVATES
EVERY 6 HOURS FOR 60
SECONDS. WIRE TO PRODUCT
APPROVED PUMP

SYSTEM INSTALLED WITH REVERSE ACTING
AQUASTAT TO SHUT OFF FAN. SUGGESTED
BUT NOT REQUIRED BY 248 CMR

100'-0" MAXIMUM DISTANCE FROM WATER HEATER TO FAN COIL AND BACK. (DEVELOPED LENGTH) NOT INCLUDING COIL IN HEATING UNIT

