ONE OR TWO TEMPERATURE
TWO HEATERS
WITH OR W/O MIXING VALVE
TWO PREHEATERS WITH BOOSTER
HEATER WITH OR W/O BUILDING
RECIRCULATION

OIL FIRED TANK TYPE
COF-199 THRU 700

CAUTION:
IF BUILDING COLD WATER SUPPLY HAS A BACKFLOW
PREVENTER, CHECK VALVE OR WATER METER WITH
CHECK VALVE. PROVISIONS FOR THERMAL EXPAN-
SION OF WATER IN THE HOT WATER SYSTEM MUST BE
PROVIDED.

* PIPE RELIEF VALVE TO OPEN DRAIN.

** 120°F SHOULD BE MINIMUM AND 140°F TO 150°F
SHOULD BE MAXIMUM TEMPERATURE OF WATER
STORED IN PRE-HEATER.

SEE PAGE A305.0 FOR MANIFOLD KITS.

MUST BE IDENTICAL HEATERS
TWO HEATERS WITH OR WITHOUT MIXING VALVE

MUST BE IDENTICAL HEATERS
TWO PRE-HEATERS WITH BOOSTER HEATER

WIRING DIAGRAM FOR SANITIZING LOOP (IF USED)
TOGGLE SWITCH AT DISHWASHER WITH
RED PILOT LIGHT

L1
120V AC
L2
(NEUTRAL)

LINE TEMPERATURE CONTROL
CIRCULATING PUMP

WIRING DIAGRAM FOR FIXTURE LOOP (IF USED)

L1
120V AC
L2
(NEUTRAL)

LINE TEMPERATURE CONTROL
CIRCULATING PUMP

INSTALL THERMAL EXPANSION TANK
ON COLD WATER SUPPLY LINE. IF
CHECK VALVE OR PRESSURE VALVE
IS USED IN SUPPLY.
MEDIUM TEMPERATURE
ONE HEATER WITH
AUXILIARY STORAGE TANK
FORCED CIRCULATION WITH
OR W/O BUILDING RECIRCULATION

OIL FIRED TANK TYPE
COF-199 THRU 700

VERTICAL STORAGE TANK

HORIZONTAL STORAGE TANK

CAUTION:
IF BUILDING COLD WATER SUPPLY HAS A BACKFLOW
PREVENTER, CHECK VALVE OR WATER METER WITH
CHECK VALVE, PROVISIONS FOR THERMAL EXPANSION OF WATER IN THE HOT WATER SYSTEM MUST BE
PROVIDED.

*PIPE RELIEF VALVE TO OPEN DRAIN.

HEATER THERMOSTATS SHOULD BE SET AT LEAST 5°
HIGHER THAN TANK TEMPERATURE CONTROL.