GAS CONNECTION
(SEE NOTE 9)

* MANUAL GAS
SHUTOFF

* GAS REGULATOR
(SEE NOTE 9)

* ISOLATION VALVE

BALANCING VALVE
(FIELD INSTALL)

SHELL DRAIN
VALVE

HIGH TEMP. SYSTEM
RETURN (I.E. 110°F)

LOW TEMP. SYSTEM
RETURN (I.E. 100°F)

AUTOMATIC AIR
VENT

BUFFER TANK

NOTES:
1. FOR ACTUAL SIZES AND LOCATIONS OF PIPING AND OTHER CONNECTIONS TO THE HEATER, SEE DIMENSIONAL DRAWING.
2. SHELL DRAIN VALVE AND CONDENSATE HOSE SHOULD BE ARRANGED TO DRAIN THE FLUIDS TO DRAIN FREELY, BY GRAVITY, TO A
   FLOOR DRAIN. RELIEF VALVE DISCHARGE SHOULD BE PIPE TO THE NEAREST FLOOR DRAIN WHEN NO FLOOR DRAIN IS AVAILABLE.
   THE RELIEF VALVE DISCHARGE SHOULD BE PIPE VERTICALLY TO A HEIGHT OF 1/8" ABOVE THE FLOOR.
3. ALL (*) ITEMS ARE INCLUDED SEPARATELY IN SHIPMENT.
4. LOCATE WATER INLET AND OUTLET FITTINGS (I.E. UNIONS, ELBOWS, ETC.) A MINIMUM OF 6" FROM HEATER FITTINGS, TO PREVENT
   INTERFERENCE WITH REMOVAL OF BOILER PANELS AND COVERS. ALL PIPING AND ELECTRIC CONNECTIONS (SERVICE SWITCHES,
   CONDUIT BOXES) SHOULD OTHERWISE BE 6" AWAY FROM SIDE PANELS.
5. REFER TO SMARTPLATE APPLICATIONS GUIDE FOR BUFFER TANK SIZING.
6. BOILER MUST BE SIZED TO PROVIDE THE APPROPRIATE FLOW AT THE DESIGN ATM OF BOILER PLANT. MAXIMUM AT ACROSS
   BOILER IS 100°F. BOILER PUMP MUST MAINTAIN BENCHMARK BOILER(S) REQUIRED MINIMUM FLOW.
7. THIS IS A TYPICAL INSTALLATION DRAWING. LOCAL CODES AND AUTHORITIES SHOULD BE CONSULTED.
8. WHEN USING THE CONDENSATE NEUTRALIZER TANK, FOR PROPER CONDENSATE DRAINAGE, THE NEUTRALIZER TANK MUST BE
   INSTALLED IN A FLY OF THE BOILER AND THE CONDENSATE TRAP MUST BE ELEVATED HIGHER THAN 4" ABOVE THE FLOOR. SEE
   CONDENSATE TANK INSTRUCTIONS TID-007/1 FOR DETAILS.
9. 1" AIR, OR BELOW, A GAS REGULATOR IS OPTIONAL UNLESS REQUIRED BY LOCAL CODE. SEE MIN AND MAX GAS PRESSURE
   BASED ON BOILER SIZES AND OPTION SELECTION.
10. HEADER SENSOR MUST BE INSTALLED BETWEEN 2 TO 10 FEET FROM JUNCTION AND FROM LAST UNIT.
11. THE DHW SYSTEM PUMP MAY BE ENABLED/DISABLED BY ENDE CONTROLLER.