

- 1. SEE COMBINATION HEATING/DOMESTIC WATER HEATING APPLICATIONS GUIDE TAG-0050 AND WIRING DIAGRAM SD-A-1179 FOR COMPLETE APPLICATION AND CONTROLS
- THE ABOVE DIAGRAM DEPICTS THE COMBINATION HEATING/DOMESTIC WATER PIPING ONLY. FOR GAS PIPING AND THE REST OF THE WATER-SIDE PIPING DETAILS, REFER TO APPROPRIATE BENCHMARK BOILER INSTALLATION DRAWINGS.
- FOR SIZES AND LOCATIONS OF PIPING AND OTHER CONNECTIONS TO THE BOILER, SEE APPROPRIATE BENCHMARK BOILER DIMENSIONAL DRAWING.
- REFER TO SMARTPLATE INSTALLATION DRAWINGS FOR RECOMMENDED DOMESTIC PIPING INSTALLATION: SD-A-1198, SD-A-1199, SD-A-1200, SD-A-1201, SD-A-1202, SD-A-1203.
- 5. BOILER PUMP MUST BE SIZED TO PROVIDE THE APPROPRIATE FLOW AT THE DESIGN AT OF BOILER PLANT.
- BOILER PUMP MUST MAINTAIN BENCHMARK BOILER(S) REQUIRED MINIMUM FLOW.

  THIS IS A TYPICAL INSTALLATION DRAWING. LOCAL CODES AND AUTHORITIES SHOULD BE CONSULTED.

  THE COMBINATION SYSTEM PUMP IS CONTROLLED BY EDGE, AS PER REFERENCE DRAWING SD-A-1179.

  MODULATING BOILER VALVES CAN BE USED FOR SINGLE POINT BALANCING.
- IF BST IS USED, A HEADER SENSOR MUST BE INSTALLED BETWEEN 2 TO 10 FEET FROM PIPE JUNCTION.
- 10. COMMON PIPE DIAMETER MUST BE SIZED FOR LESS THAN 4.0 FT/SEC; COMMON PIPE LENGTH MUST BE 3 TO 5 TIMES ITS DIAMETER.
- 11. BMK PLATINUM CAN BE WIRED TO ALTERNATE REDUNDANT PUMPS ON THE PRIMARY LOOP.



100 ORITANI DRIVE BLAUVELT, NY 10913

BENCHMARK® PLATINUM W/ EDGE & BOILER/SMARTPLATE EV COMBINATION PLANT WITH MODÚLATING ISOLATION VALVES & TWO SWING VALVES & P-S PIPING APPLICATION

DWN.BY K.S. DATE 080320 SCALE NTS REV.BY K.S. DATE 042022

REV. SD-A-1208