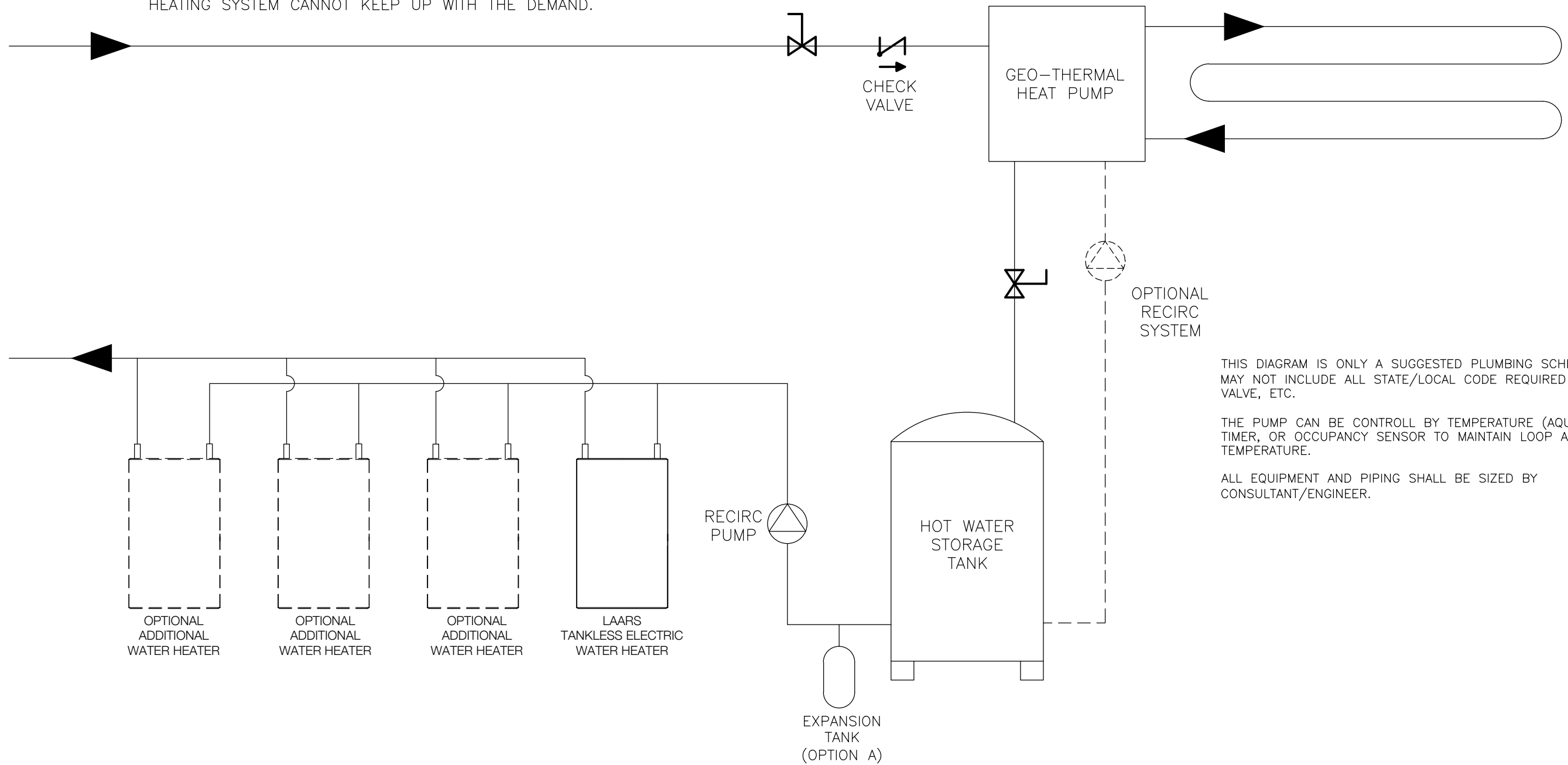


GEO-THERMAL WATER HEATING SYSTEM WITH HOT WATER STORAGE TANK. ONE RECIRCULATION PUMP IS USED TO CIRCULATE THE WATER BETWEEN THE STORAGE TANK AND THE GEO-THERMAL PIPING SYSTEM. ANOTHER RECIRC PUMP COULD BE USED TO CIRCULATE THE WATER BETWEEN THE STORAGE TANK AND THE BUILDING OUTLETS. INSTANTANEOUS WATER HEATERS CAN BE USED TO HELP BOOST THE WATER TEMPERATURE OR AS SUPPLEMENTAL WATER HEATING IN THE CASE THAT THE SOLAR HEATING SYSTEM CANNOT KEEP UP WITH THE DEMAND.



THIS DIAGRAM IS ONLY A SUGGESTED PLUMBING SCHEMATIC AND MAY NOT INCLUDE ALL STATE/LOCAL CODE REQUIRED EQUIPMENT, VALVE, ETC.

THE PUMP CAN BE CONTROLL BY TEMPERATURE (AQUASTAT), TIMER, OR OCCUPANCY SENSOR TO MAINTAIN LOOP AT USAGE TEMPERATURE.

ALL EQUIPMENT AND PIPING SHALL BE SIZED BY CONSULTANT/ENGINEER.

- GEO-THERMAL HEATING WITH BACKUP/BOOSTER HEATERS

