



LEGEND

	Y STRAINER
	ISOLATION VALVE
	UNION
	BALANCING VALVE
	CHECK VALVE
	BACKFLOW PREVENTER
	ACS HEADER/RETURN TEMP. SENSOR
	AQUASTAT

*1-1/2" MANUAL SHUT-OFF VLV.

GAS PRESSURE REGULATOR (SEE NOTE 8)

ISOLATION/SERVICE VALVE

GAS SUPPLY

RELIEF VALVE*

LOW WATER CUT-OFF SWITCH*

PRESS./TEMP. GAUGE*

AQUASTAT*

MANDATORY PRIMARY PUMP

MANDATORY BOILER STRAINER

EXHAUST CONNECTION*

SEE NOTE 3

MAINTAIN A REGULATED 4" W.C. PRESSURE AT MAXIMUM BTU/HR INPUT

- NOTES:**
1. FOR ACTUAL SIZES AND LOCATIONS OF PIPING AND OTHER CONNECTIONS TO THE BOILER, SEE APPROPRIATE DIMENSIONAL DRAWING.
 2. SHELL DRAIN VALVE AND CONDENSATE DRAIN TRAP SHOULD BE ARRANGED TO PERMIT THE FLUIDS TO DRAIN FREELY, BY GRAVITY, TO A CONVENIENT FLOOR DRAIN. RELIEF VALVE SHOULD BE PIPED VERTICALLY TO A HEIGHT 18" ABOVE FLOOR.
 3. ALL (*) ITEMS ARE INCLUDED SEPARATELY IN SHIPMENT FROM FACTORY.
 4. THE MANIFOLD FOR THESE COMPONENTS IS ALSO INCLUDED SEPARATELY IN SHIPMENT FROM FACTORY.
 5. LOCATE WATER INLET AND OUTLET FITTINGS (i.e. UNIONS, ELBOWS, ETC.) A MINIMUM OF 6" FROM BOILER FITTINGS TO PREVENT INTERFERENCE WITH REMOVAL OF BOILER PANELS AND COVERS. ALL PIPING AND ELECTRIC CONNECTIONS (SERVICE SWITCHES, CONDUIT BOXES) SHOULD LIKEWISE BE 6" AWAY FROM SIDE PANELS.
 6. MANDATORY PRIMARY PUMP - SEE AERCO MODULEX PRIMARY LOOP DESIGN DATA - ENGR. MANUAL C400.0 OR TABLE 1 OF GF-115-P (UNITS RATED FOR 50 PSIG MAXIMUM WORKING PRESS.) / GF-115-P-H (UNITS RATED FOR 92 PSIG).
 7. MANDATORY BOILER STRAINER (20 MESH OR FINER).
 8. GAS REGULATOR IS MANDATORY FOR THE STATE OF MASSACHUSETTS, REGARDLESS OF SUPPLY PRESSURE. FOR ALL OTHER JURISDICTIONS, GAS REGULATOR IS REQUIRED WHEN SUPPLY PRESSURE IS GREATER THAN 14" W.C.
 9. THIS IS A TYPICAL INSTALLATION DRAWING. LOCAL CODES AND AUTHORITIES SHOULD BE CONSULTED.
 10. IF PERMITTED BY LOCAL CODES, A CHECK VALVE MAY BE USED IN PLACE OF A BACKFLOW PREVENTER.
 11. SEE COMBINATION HEATING/DOMESTIC WATER HEATING APPLICATIONS GUIDE TAG-0050 AND WIRING DIAGRAM SD-A-894 FOR COMPLETE APPLICATION AND CONTROL DETAILS.
 12. COMBINATION SYSTEM PUMP MUST BE ENABLED/DISABLED BY BUILDING CONTROLS.

AERCO INTERNATIONAL, INC.
NORTHVALE, NJ 07647

MODULEX BOILER - COMBINATION HEATING/DOMESTIC HOT WATER PIPING - TEMPERATURE BOOST APPLICATIONS

DWN. BY <u>CZ</u> DATE <u>030812</u>	SD-A-914	REV. A
SCALE <u>NTS</u>		
APPD. _____ DATE _____		