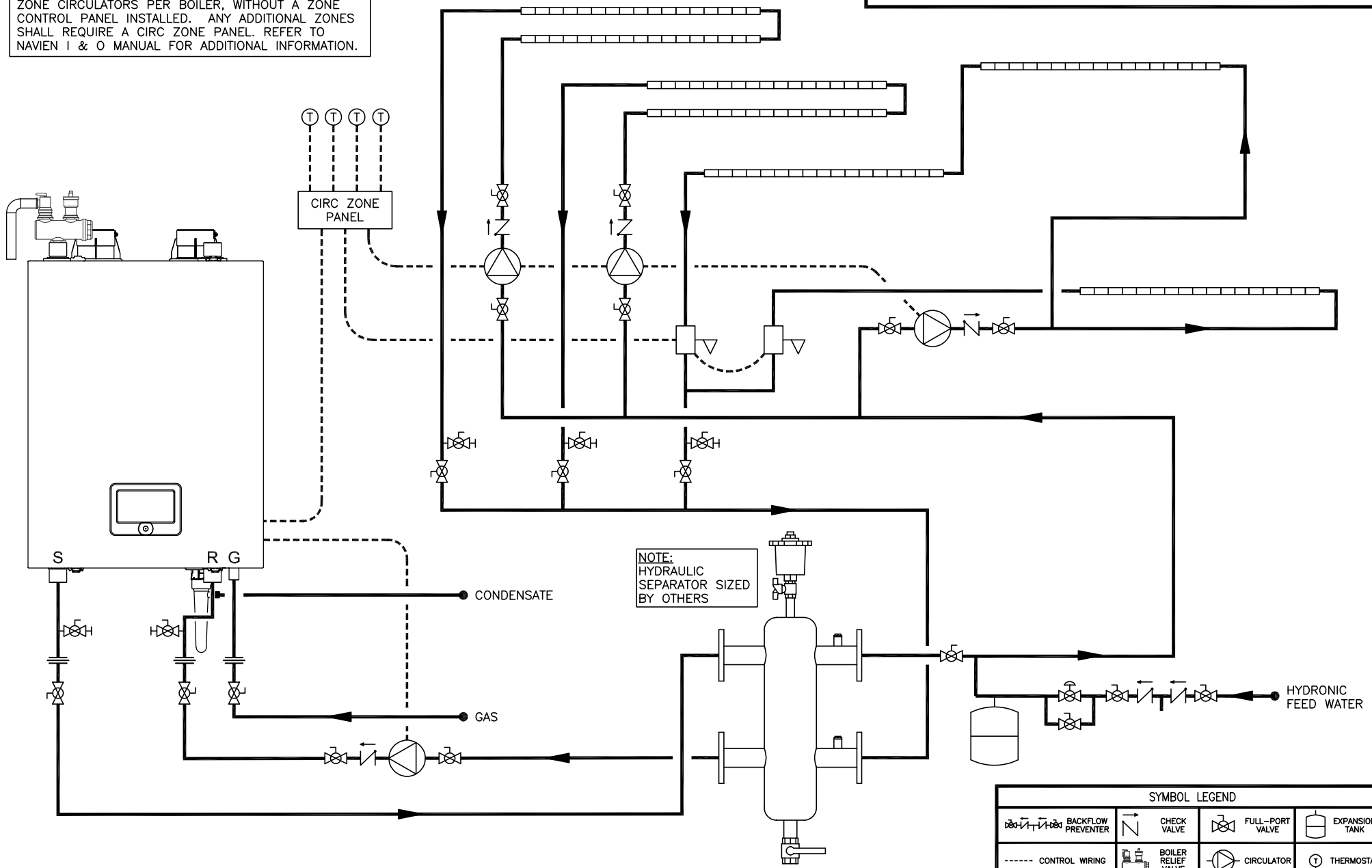


THIS DRAWING IS INTENDED ONLY AS A GUIDE AND NOT AS A REPLACEMENT FOR PROFESSIONALLY ENGINEERED PROJECT DRAWINGS. THIS CONCEPT SYSTEM DRAWING DOES NOT IMPLY COMPLIANCE WITH LOCAL BUILDING CODES. ACTUAL INSTALLATION MAY VARY DEPENDING ON INSTALLATION LOCATION AND PARAMETERS AND IT MUST BE DONE IN ACCORDANCE TO ALL LOCAL BUILDING CODES. VERIFY WITH LOCAL BUILDINGS OFFICIALS BEFORE COMMENCEMENT OF SYSTEM INSTALLATION. CHANGES OR MODIFICATIONS TO PIPING OR DESIGN IS NOT TO BE PERFORMED WITHOUT EXPRESSED WRITTEN PERMISSION BY NAVIEN, INC.

NFB-C UNIT CAN INTERNALLY CONTROL UP TO 3 ZONE CIRCULATORS PER BOILER, WITHOUT A ZONE CONTROL PANEL INSTALLED. ANY ADDITIONAL ZONES SHALL REQUIRE A CIRC ZONE PANEL. REFER TO NAVIEN I & O MANUAL FOR ADDITIONAL INFORMATION.

**RECOMMENDED SYSTEM & HEADER PIPE SIZES – TOTAL BTU (>4 FT/SEC.)**

- 1-1/2" – UP TO 301,000 BTU'S (1 BOILER)
- 2" – 399,000 BTU'S (1 BOILER)
- 2-1/2" – 601,000 TO 798,000 BTU'S (2 BOILERS)
- 3" – 903,000 TO 1,197,000 BTU'S (3 BOILERS)
- 4" – 1,204,000 TO 3,192,000 BTU'S (4 TO 8 BOILERS)



NOTE:  
HYDRAULIC SEPARATOR SIZED BY OTHERS

SYMBOL LEGEND			
	BACKFLOW PREVENTER		CHECK VALVE
	FULL-PORT VALVE		EXPANSION TANK
	CONTROL WIRING		BOILER RELIEF VALVE
	CONDENSATE TRAP		CIRCULATOR
	PRESSURE REDUCING VALVE		AIR ELIMINATION
	HYDRAULIC SEPARATOR		AUTOMATIC AIR VENT
	UNION		COPPER BASEBOARD FIN TUBE
	THERMOSTAT		ZONE VALVE
	BALL DRAIN VALVE		



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**NFB-C SERIES BOILER**

NFB-C CONDENSING BOILER WITH  
MULTIPLE ZONE CIRCULATORS AND ZONE VALVES WITH HYDRAULIC SEPARATOR  
INCLUDES MODELS NFB-301C, 399C

DRAWN BY:

S. STOKE

NFB-C-1-2ZP-2ZV-HS

JUNE 8, 2022