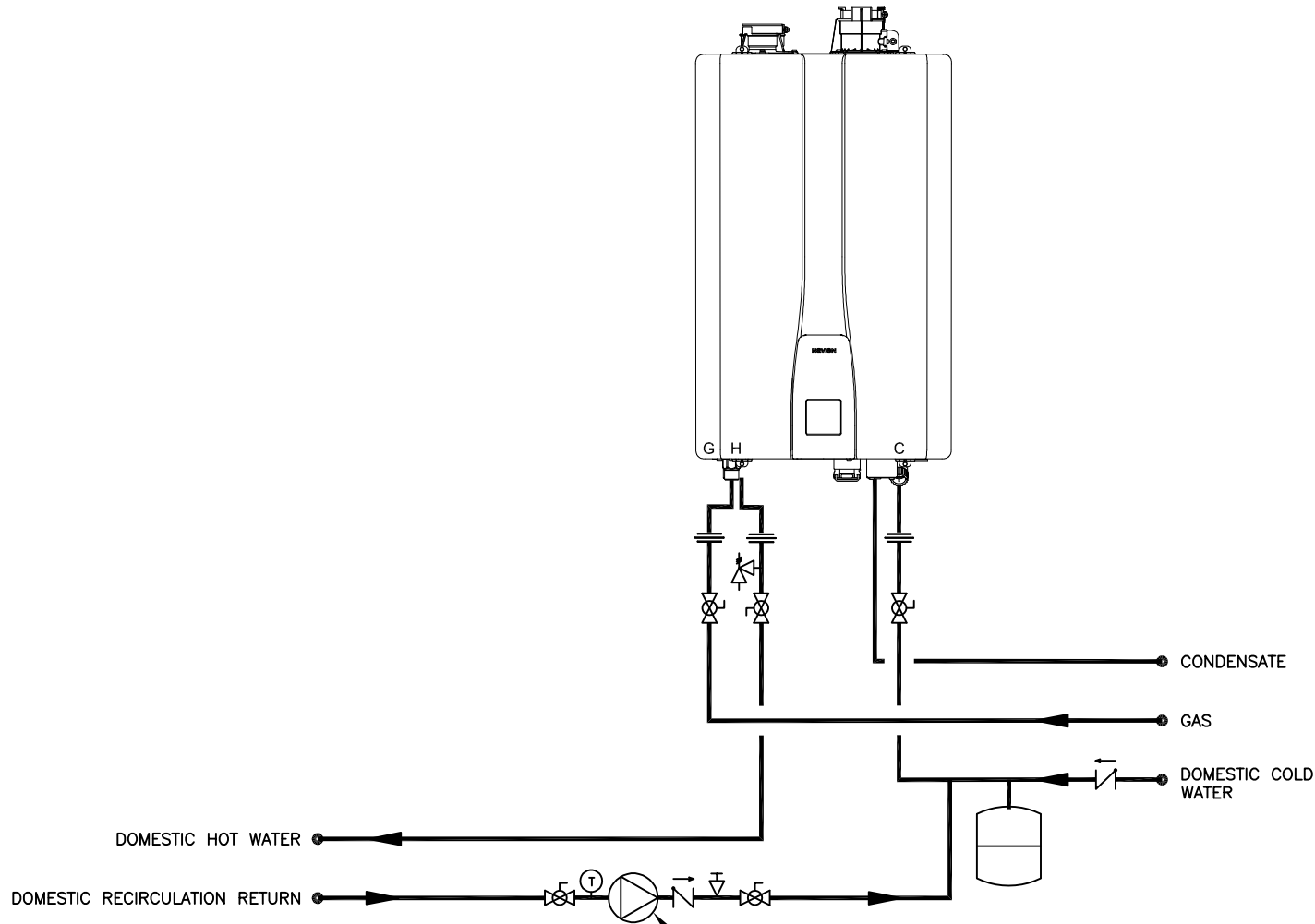


THIS DRAWING IS INTENDED ONLY AS A GUIDE AND NOT AS A REPLACEMENT FOR PROFESSIONALLY ENGINEERED PROJECT DRAWINGS. THIS CONCEPT SYSTEM DRAWING DOES NOT IMPLY COMPLIANCE WITH LOCAL BUILDING CODES. ACTUAL INSTALLATION MAY VARY DEPENDING ON INSTALLATION LOCATION AND PARAMETERS AND IT MUST BE DONE IN ACCORDANCE 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.



SELECT EXTERNAL CIRCULATOR PERFORMANCE TO BE 2 GPM MINIMUM, 3 GPM MAXIMUM PER TANKLESS BASED ON 11 PSI PRESSURE DROP AT 3 GPM PER TANKLESS, PLUS EXTERNAL BUILDING PIPE, VALVES AND FITTINGS TO ASCERTAIN TOTAL CIRCULATOR PUMP REQUIREMENTS

- CIRCUIT SETTER AT EXTERNAL PUMP IS REQUIRED FOR SETTING MAXIMUM FLOW RATE TO TANKLESS SYSTEM

TANKLESS QUANTITY: RECOMMENDED PIPE SIZE	1 UNIT: 3/4"	2 UNITS: 1"	3 UNITS: 1-1/4"	4-5 UNITS: 1-1/2"	6-8 UNITS: 2"	9-14 UNITS: 2-1/2"	15-16 UNITS: 3"	SYMBOL LEGEND							
NPE-S2 SERIES TANKLESS WATER HEATER								≡	UNION	↗	CHECK VALVE	⊗	FULL-PORT VALVE	⊕	AQUASTAT
(1) NPE-S2 TANKLESS WATER HEATER WITH EXTERNAL RECIRCULATION PUMP INCLUDES MODELS 150, 180, 210 AND 240								⊕	DHW CIRCULATOR W/ AQUASTAT OPTIONAL TIMER & CHECK VALVE	⊕	PRESSURE RELIEF VALVE	⊕	CIRCULATOR	⊕	EXPANSION TANK
DRAWN BY: S. STOEKE			NPE-S2-1-ECP			MAY 17, 2021								⊕	BALANCING VALVE

**Navien**  
 20 GOODYEAR  
 IRVINE, CA 92618  
 800-519-8794  
 www.navienc.com