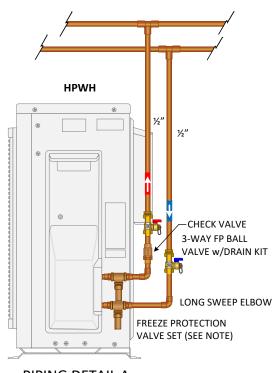
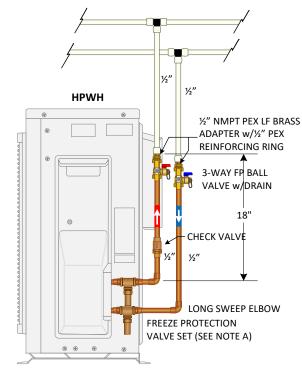
HEAT PUMP WATER HEATER PIPING DETAIL (HPWH)



PIPING DETAIL A WITH COPPER PIPE



PIPING DETAIL B WITH PEX PIPE

NOTES

NOTE A: TO PREVENT DAMAGE TO THE HPWH, WHERE TEMPERATURES ROUTINELY DROP BELOW FREEZING, WE RECOMMEND A FREEZE PROTECTION VALVE SET.

NOTE B: AREAS WHERE WATER HARDNESS IS GREATER THAN > 200 PPM, IT MAY BE NECESSARY TO PERIODICALLY SERVICE THE HPWH HEAT EXCHANGER. WE RECOMMEND INSTALLING A SERVICE VALVE FLUSH KIT TO THE HPWH. INSTRUCTIONS ON HOW TO DO THE PROCEDURE IS EXPLAINED IN OUR SANCO₂ TECHNICAL MANUAL.

NOTE C: INSULATE ALL PIPING PER CODE.

NOTE D: CHECK WITH LOCAL JURISDICTIONS FOR CODE REQUIREMENTS. SOME AREAS REQUIRE 18 INCHES OF COPPER PIPE AT THE HOT WATER HEATER OUTLET CONNECTION BEFORE TRANSISIONING TO PEX.





TITLE: 26 HPWH STACKED OPPOSING (5) STORAGE TANKS 455 SWING TANK FOR RECIRC 200

PROJECT:

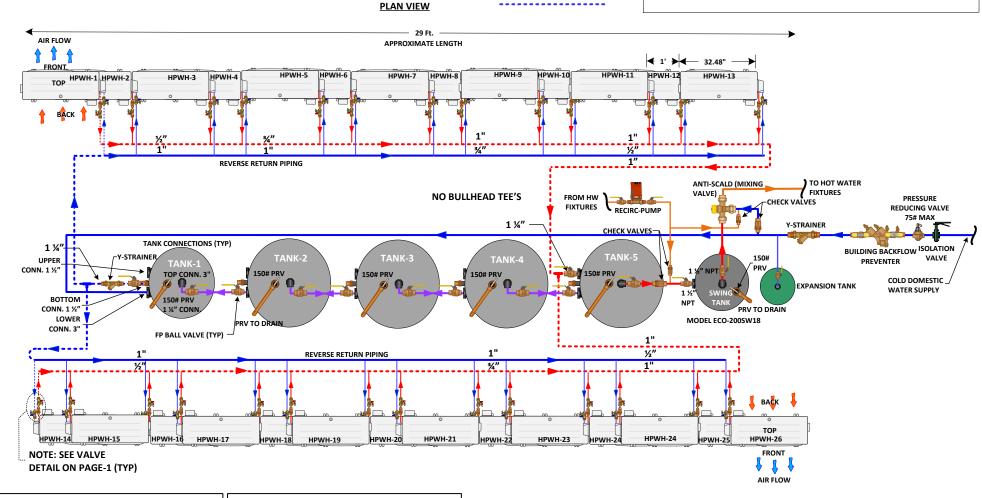
Date: 09/02/25 Time:9:22 PM REV-

NOTE:

DASHED LINES REPRESENT CRITICAL PIPING PATH. REFER TO ECO2 APPLICATION AN DESIGN MANUAL ON HOW TO DETERMINE TOTAL EQUIVALENT LENGTH (T.E.L.) DO NOT EXCEED 66 FEET OF T.E.L.

NOTE A: TO PREVENT DAMAGE TO HWHP'S INTERNAL COMPONETS. WE MUST LIMIT THE INCOMING BUILDING WATER PRESSURE TO A MAXIMUM OF 75 PSI. THIS INCLUDES CALCULATING STATIC PRESSURE PLUS INCOMING WATER PRESSURE. THIS CAN BE CONTROLLED BY SELECTING A PROPERTY SIZED PRESSURE PEDILIFING VALVE

NOTE B: MAXIMUM DISTANCE OF SEPARATION FROM THE FURTHEST HPWH TO THE FURTHEST STORAGE TANK IS 66 FEET. THE DESIGNER/ENGINEER MUST ACCOUNT FOR TOTAL EQUIVALENT LENGTH OF PIPE & FITTING PLUS STRAGHT PIPE ALONG THE CRITICAL PIPING PATH. CONSULT WITH ECOZ SYSTEMS TECHNICAL SUPPORT OR REFER TO OUR ECOZ APPLICATION AND DESIGN MANUAL.



MODEL ECO-455GLNST		MODEL ECO-3
STORAGE TANK CONNECTION	NS	STORAGE TAN
COLD WATER INLET	3" FEMALE NPT	COLD WATER I
HOT WATER OUTLET	3" MALE NPT	HOT WATER O
COLD WATER TO HP	1 ½" FEMALE NPT	COLD WATER 1
HOT WATER FROM HP	1 ½" FEMALE NPT	HOT WATER F

p 2

	MODEL ECO-365GLNST		
	STORAGE TANK CONNECTIONS		
	COLD WATER INLET	3" FEMALE NPT	
	HOT WATER OUTLET	3" MALE NPT	
	COLD WATER TO HP	1 ½" FEMALE NPT	
-	HOT WATER FROM HP	1 ½" FEMALE NPT	

_	4		
	HPWH MOD	DEL's GS5-45HPC	& GS5-45HPC-D
		OUTLET CONN.	½" NMPT
		R INLET CON.	½" NMPT
-	ALL PIPING & CONNECTIONS TO MAIN		
	HEADERS CA	AN BE ½" COPPER	OR PEX





TITLE: 26 HPWH STACKED OPPOSING (5) STORAGE TANKS 455 SWING TANK FOR RECIRC 200

PROJECT:

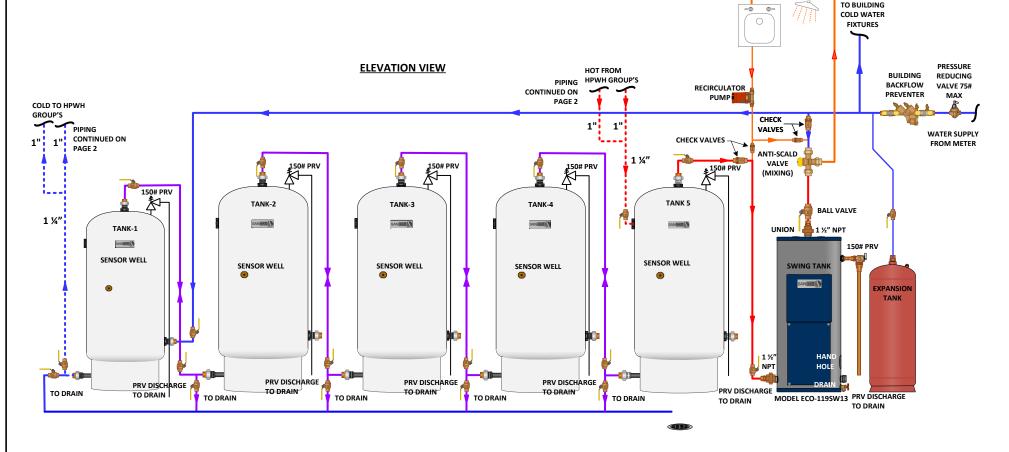
Date: 09/02/25 Time:9:22 PM REV-

NOTE:

DASHED LINES REPRESENT CRITICAL PIPING PATH. REFER TO ECO2 APPLICATION AN DESIGN MANUAL ON HOW TO DETERMINE TOTAL EQUIVALENT LENGTH (T.E.L.) DO NOT EXCEED 66 FEET OF T.E.L.

NOTE A: TO PREVENT DAMAGE TO HWHP'S INTERNAL COMPONETS. WE MUST LIMIT THE INCOMING BUILDING WATER PRESSURE TO A MAXIMUM OF 75 PSI. THIS INCLUDES CALCULATING STATIC PRESSURE PLUS INCOMING WATER PRESSURE. THIS CAN BE CONTROLLED BY SELECTING A PROPERLY SIZED PRESSURE REDUCING VALVE.

NOTE B: MAXIMUM DISTANCE OF SEPARATION FROM THE FURTHEST HPWH TO THE FURTHEST STORAGE TANK IS 66 FEET. THE DESIGNER/ENGINEER MUST ACCOUNT FOR TOTAL EQUIVALENT LENGTH OF PIPE & FITTING PLUS STRAGHT PIPE ALONG THE CRITICAL PIPING PATH. CONSULT WITH ECO2 SYSTEMS TECHNICAL SUPPORT OR REFER TO OUR ECO2 APPLICATION AND DESIGN MANUAL.



MODEL ECO-455GLNST			ľ
STORAGE TANK CONNECTIONS			S
COLD WATER INLET	3" FEMALE NPT		(
HOT WATER OUTLET	3" MALE NPT		H
COLD WATER TO HP	1 ½" FEMALE NPT	ı	(
HOT WATER FROM HP	1 ½" FEMALE NPT		H
		П	

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	MODEL ECO-365GLNST	
	STORAGE TANK CONNECTION	INS
	COLD WATER INLET	3" FEMALE NPT
	HOT WATER OUTLET	3" MALE NPT
	COLD WATER TO HP	1 ½" FEMALE NPT
	HOT WATER FROM HP	1 ½" FEMALE NPT
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l	HPWH MODEL's GS5-45HPC & O	GS5-45HPC-D	
l	HOT WATER OUTLET CONN.	½" NMPT	
1	COLD WATER INLET CON.	½" NMPT	
ł	ALL PIPING & CONNECTIONS TO MAIN		
l	HEADERS CAN BE ½" COPPER O	R PEX	