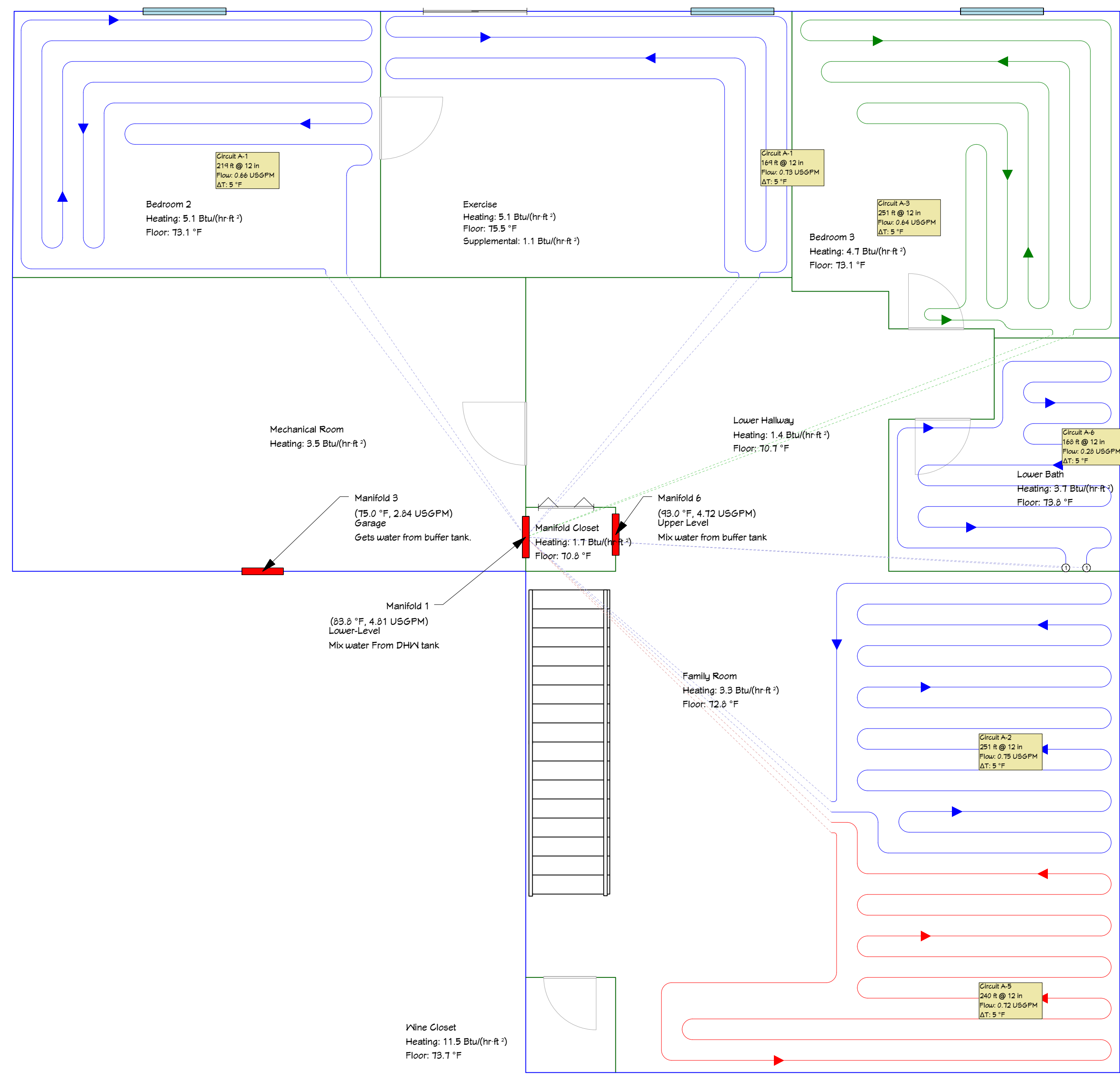




DISCLAIMER:
 Note: Details of the tubing bend radius have been simplified for clarity. Consult tubing manufacturer for specific bend radius recommendations.



Rooms			
Name	Area [ft²]	Heating Zone	Total Load [Btu/hr]
Bedroom 2	217	101	1,515
Bedroom 3	326	103	1,485
Exercise	344	100	1,696
Family Room	655	106	3,386
Lower Bath	98	104	550
Lower Hallway	241	105	792
Manifold Closet	11	107	42
Mechanical Room	338	107	1,163
Wine Closet	17	108	232

Zones			
Name	Area [ft²]	# Circuits	Total Load [Btu/hr]
Zone 101	217	1	1,515
Zone 103	226	1	1,485
Zone 104	98	1	550
Zone 105	241	0	792
Zone 106	655	2	3,386
Zone 107	349	0	1,234
Zone 108	17	0	232
Zone 109	244	1	1,688

Circuit Information						
Number	Length [ft]	Tube Size	Manifold	Flow [USGPM]	Head Loss [ft water]	Total Load [Btu/hr]
A-1	219	1/2"	Manifold 1	0.66	7.0	1,515
A-1	169	1/2"	Manifold 1	0.73	6.5	1,417
A-2	251	1/2"	Manifold 1	0.75	10.1	1,734
A-3	251	1/2"	Manifold 1	0.64	7.8	1,485
A-5	240	1/2"	Manifold 1	0.72	8.9	1,652
A-6	168	1/2"	Manifold 1	0.28	1.3	550

Manifolds							
Name	Manifold Type	# Circuits	Tubing Size	Supply Temp [°F]	Total Flow [USGPM]	Head Loss [ft water]	Total Load [Btu/hr]
Manifold 1	Stainless-steel, 1 1/4" with flow meter, B&L ball valve	8	1/2"	84	4.81	13.3	10,724
Manifold 3	Stainless-steel, 1" with flow meter, B&L ball valve	4	1/2"	75	2.84	7.8	6,540
Manifold 6	Stainless-steel, 1" with flow meter, B&L ball valve	8	1/2"	93	4.72	9.9	10,859

PROJECT:

Pretty Good House

CUSTOMER:

PROJECT NO.:
Solar Frame

SCALE:
1/4"=1'

DRAWING NAME:
Basement

DRAWN BY:

Created Using LoopCAD 2023 23.0.0894 (2/25/2024)

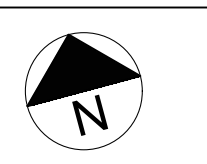
DATE:
2/23/2024

REVISIONS

No	Desc	Date
0	Initial Design	2/23/2024

PAGE NO.

1





DISCLAIMER:
 Note: Details of the tubing bend radius have been simplified for clarity. Consult tubing manufacturer for specific bend radius recommendations.

PROJECT:
Pretty Good House

CUSTOMER:

PROJECT NO.:
Solar Frame

SCALE:
1/4"=1'

DRAWING NAME:
Main Floor

DRAWN BY:

Created Using LoopCAD 2023 23.0.0894 (2/25/2024)

DATE:
2/23/2024

REVISIONS

No	Desc	Date
0	Initial Design	2/23/2024

PAGE NO.

2

