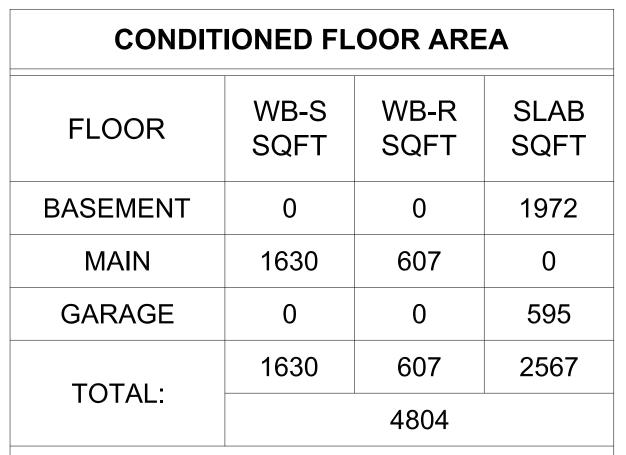
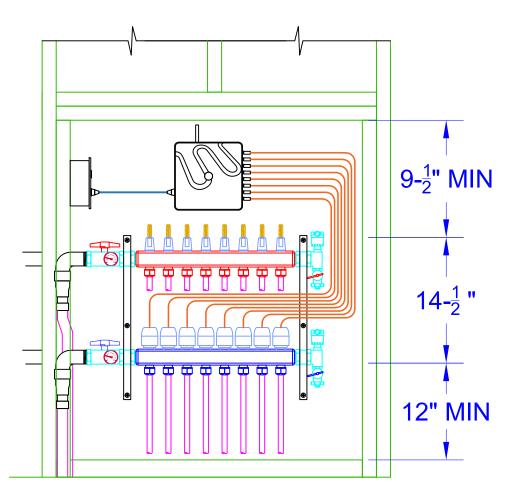


# WCS PROPOSAL SAMPLE PROJECT



### **IMPORTANT NOTE:**

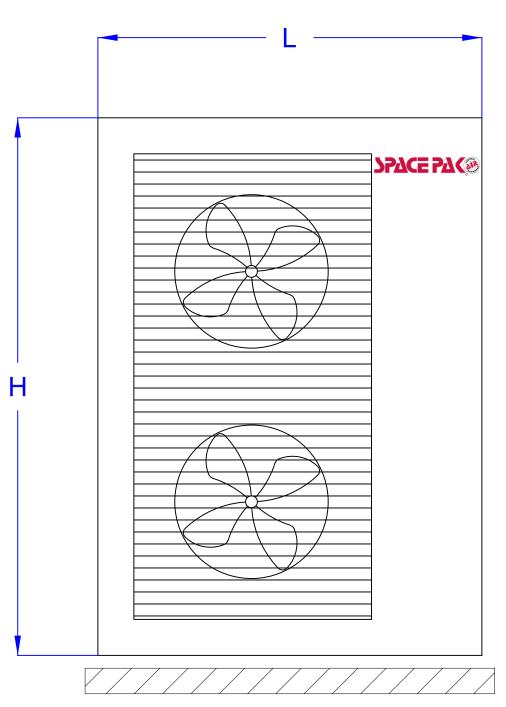
APPROVED BY WARMBOARD CLIENT.



FRAMING DIMENSIONS FOR MANIFOLD BOX

LOOPS	WxH
2	14"x36" CLEAR
3	16"x36" CLEAR
4	18"x36" CLEAR
5	20"x36" CLEAR
6	22"x36" CLEAR
7	24"x36" CLEAR
8	26"x36" CLEAR

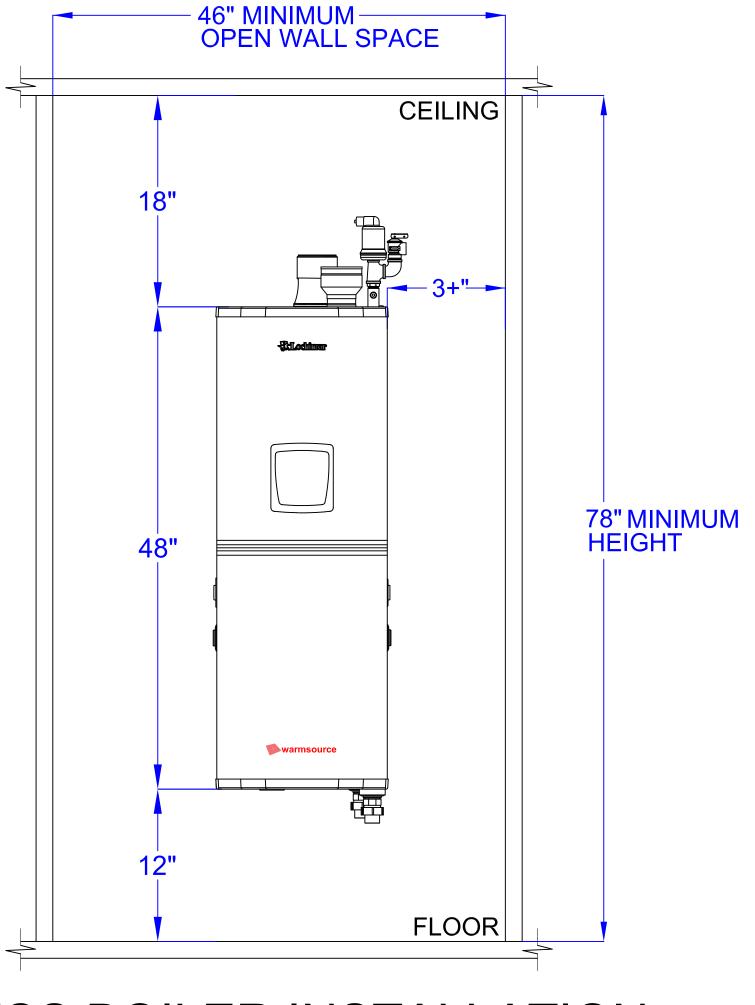
MANIFOLD INSTALLATION



ALL UNITS TO BE SET OUTSIDE ON A 2' x 4' CONCRETE PAD

UNIT	LxWxH
SIM-036	39" x 19" x 36"
SIM-060	39" x 13" x 52"

HEAT PUMP INSTALLATION



WCS BOILER INSTALLATION

# **Preliminary Design Review Checklist**

Location: Town, State Confirmed Site Elevation: 350 ft Total Conditioned Floor Area: 2,832 ft<sup>2</sup> Outdoor Design Temperature: 5 °F Indoor Design Temperature: 70 °F Supplemental Heat: N/A Minimum Insulation Values: Wall: **R-18** Basement Wall: R-13 Window: U-0.3 Exterior Door: R-2 Ceiling: R-49 Skylight: U-0.55 Floor: R-30 Slab: R-10 Boiler Fuel Source: Natural Gas

Insulation values shown in red are default values based on the International Energy Conservation Code (IECC) minimums.

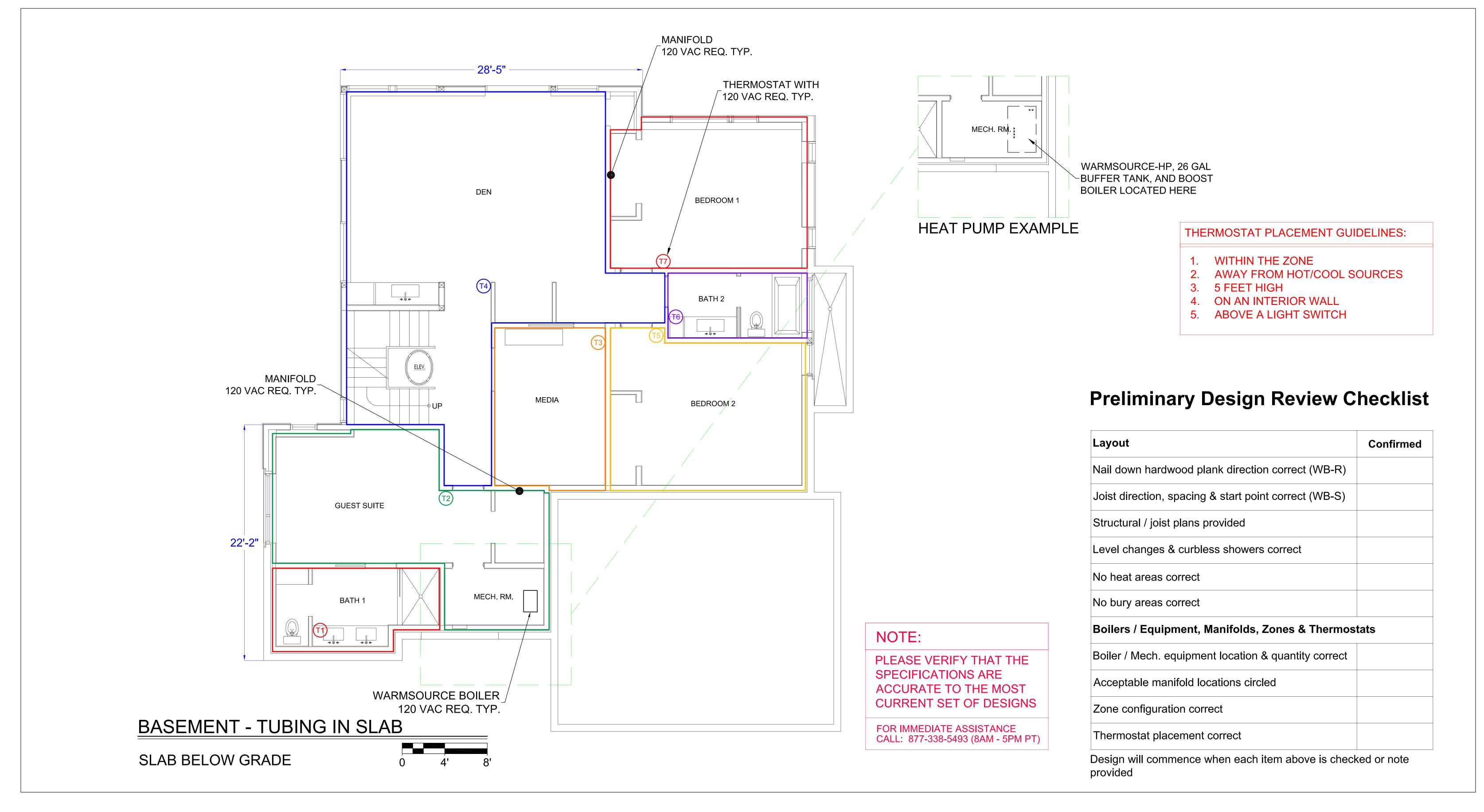


WCS PRELIMINARY LAYOUT STREET NUMBER

JOB#00000

Town, State

REVISIONS:	BY:	DATE:	00/00/2022
		SCALE:	NTS
		DRAWN:	N. Willy
		REVIEWED:	MSH
		SHEET:	
		PRE	E 1.0



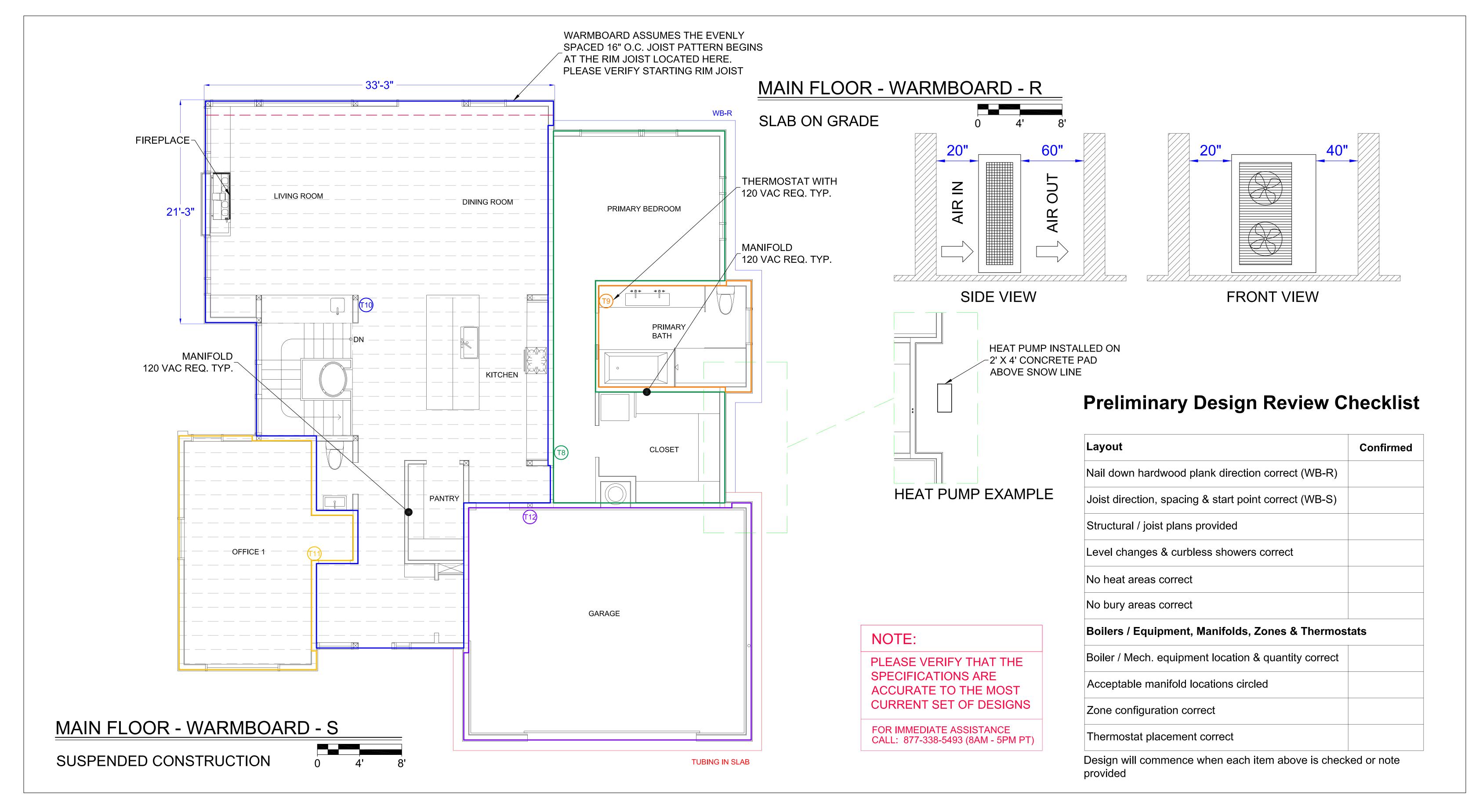


WCS PRELIMINARY LAYOUT

# STREET NUMBER

JOB#00000 Town, State

REVISIONS:	BY:	DATE:	00/00/2022
		SCALE:	NTS
		DRAWN:	N. Willy
		REVIEWED:	MSH
		SHEET:	
		PRE	E 1.1



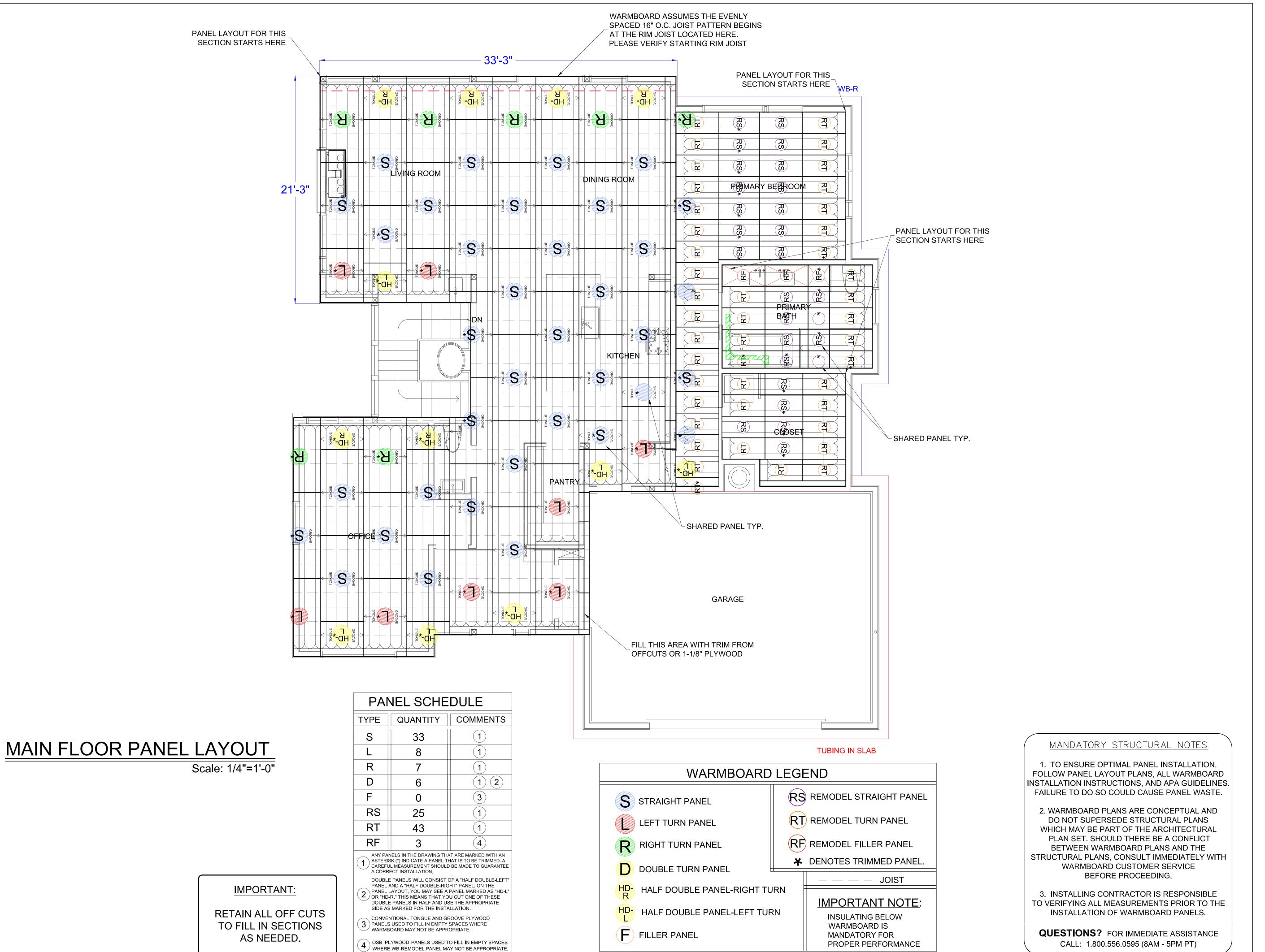


# WCS PRELIMINARY LAYOUT

# STREET NUMBER

JOB#00000 Town, State

REVISIONS:	BY:	DATE:	00/00/2022
		SCALE:	NTS
		DRAWN:	N. Willy
		REVIEWED:	MSH
		SHEET:	
		PRE	E 1.2



**REVISIONS:** 



**PROJE**( JOB# ( Town,

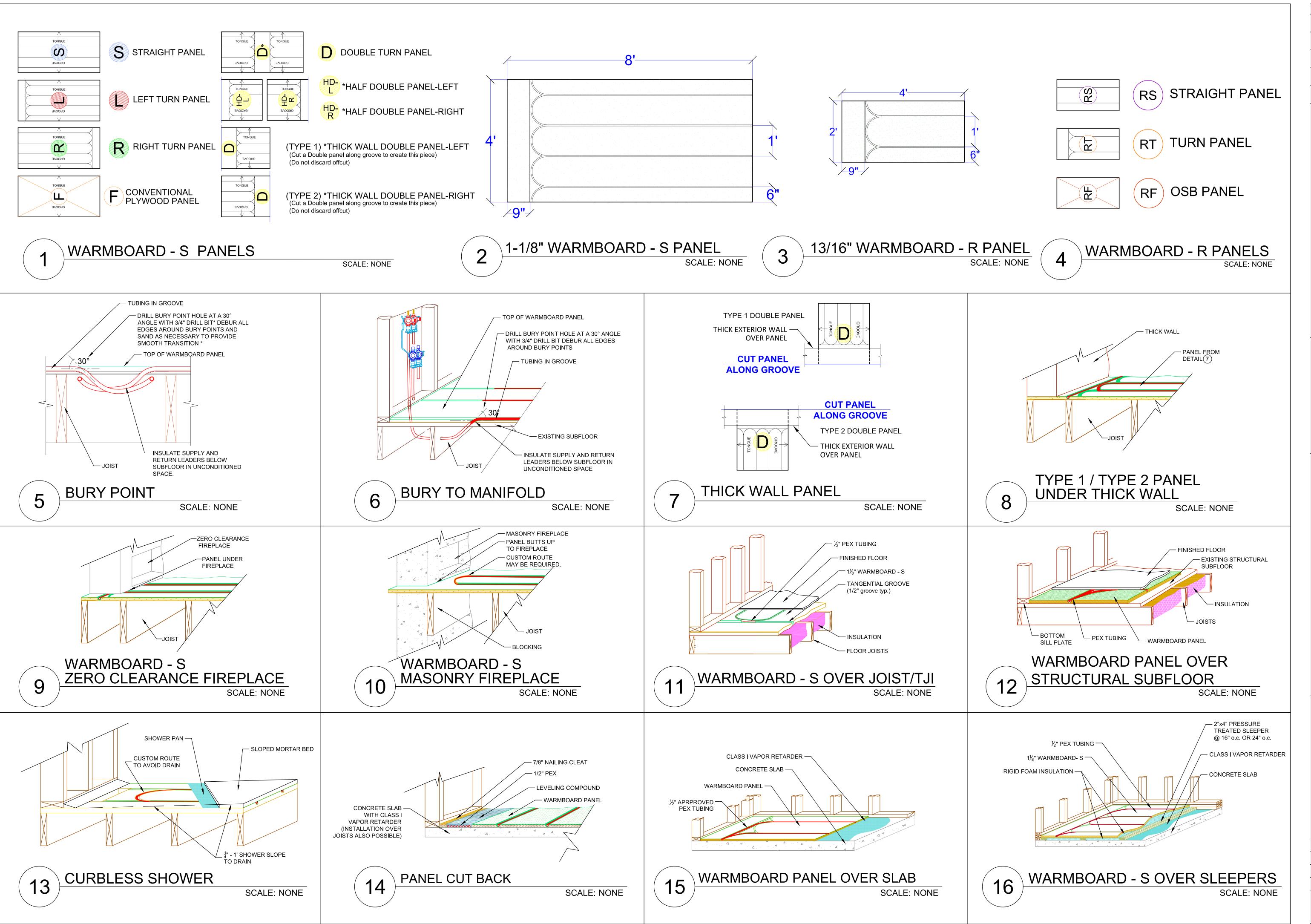
SAMPL

00/00/2022 1/4" = 1' SCALE:

DRAWN: N. Willy REVIEWED: MSH

WBS 1.0

SHEET:



**REVISIONS:** 

**NC** G300



**PROJEC** JOB# 000000 Town, State SAMPLE

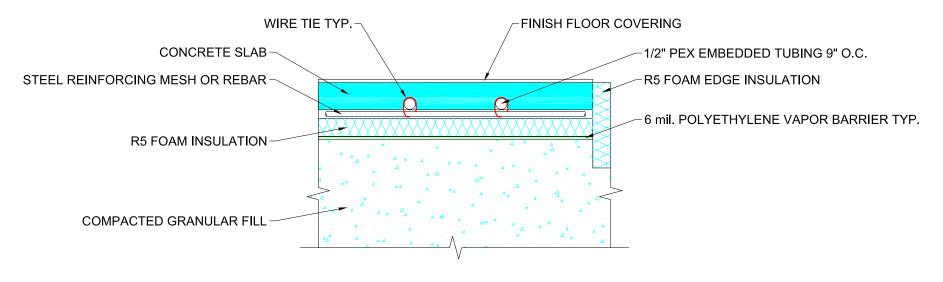
INSTALLATION DETAILS

00/00/2022 NTS SCALE: N. Willy

REVIEWED: MSH SHEET: WB SPEC

BASEMENT TUBING LAYOUT

Scale: 1/4"=1'-0"



CONFIGURATION SHOWN IS CONCEPTUAL. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS

FOR EXACT CONFIGURATION AND DIMENSIONS.

INTERNATIONAL MECHANICAL CODE

**SLAB ON GRADE INSTALLATION** 

Radiant piping utilized in slab-on-grade

applications shall be provided with insulating

materials installed beneath the piping having a

minimum R-value of 5.

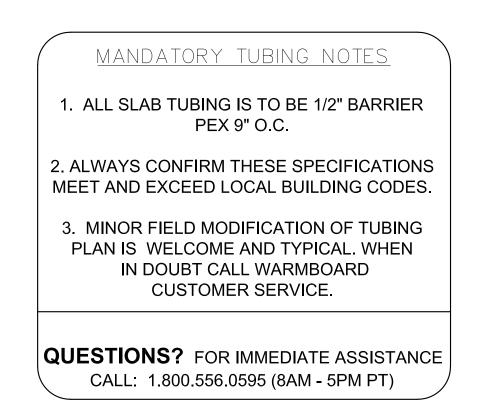
Other building departments may require

additional insulation. Check with your local

building department to meet code.

# EMBEDDED TUBING AND SLAB DETAIL

Scale: NTS



# TUBING CUSTOM GROOVE BURIED TUBING BURIED POINT MANIFOLD LOOP LOOP LENGTH ZONE LENGTH SUPPLY RETURN MANIFOLD ZONES PORTS

### Note: Each zone corresponds to a single thermostat

LOOP SCHEDULE						
ZONE MANIFOLD LOOP LENGTH						
1	1	1	185'			
2	1	2	185'			
2	1	3	110'			
2	1	4	110'			
3	1	5	190'			
4	1	6	170'			
4 2 4 2 4 2		1	215'			
		2	230'			
		3	235'			
5	2	4	205'			
5	2	5	230'			
6	2	6	145'			
7	2	7	185'			
7	2	8	150'			
	Total		2545'-0"			

REVISIONS:	BY:

**LD, INC.**, SUITE G300
FORNIA 95066

WAKINIGOAKU, 100 ENTERPRISE WAY, SUITE SCOTTS VALLEY, CALIFORNI, 1.800.556.0595



SAMPLE PROJEC
JOB# 00000
Town, State

rubing AVO IT

DATE:	00/00/2022
SCALE:	1/4" = 1'
DRAWN:	N. Willy
REVIEWED:	MSH
SHEET:	
	SCALE: DRAWN: REVIEWED:

WBM 2.0

**REVISIONS:** 

WBM 2.1

SHEET



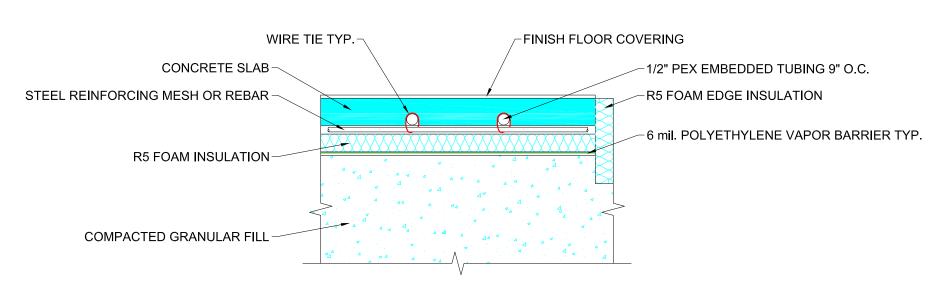
Radiant piping utilized in slab-on-grade applications shall be provided with insulating materials installed beneath the piping having a minimum R-value of 5.

Other building departments may require additional insulation. Check with your local building department to meet code.

> MANDATORY TUBING NOTES 1. ALL SLAB TUBING IS TO BE 1/2" BARRIER PEX 9" O.C. 2. ALWAYS CONFIRM THESE SPECIFICATIONS MEET AND EXCEED LOCAL BUILDING CODES. 3. MINOR FIELD MODIFICATION OF TUBING PLAN IS WELCOME AND TYPICAL. WHEN IN DOUBT CALL WARMBOARD CUSTOMER SERVICE. QUESTIONS? FOR IMMEDIATE ASSISTANCE

> > CALL: 1.800.556.0595 (8AM - 5PM PT)

CONFIGURATION SHOWN IS CONCEPTUAL. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR EXACT CONFIGURATION AND DIMENSIONS.



# EMBEDDED TUBING AND SLAB DETAIL

Scale: NTS

# FIRST FLOOR TUBING LAYOUT

4.6

ZONE 10

ZONE 10LIVING ROOM ZONE 10

CUSTOM GROOVE TYP.

CUSTOM GROOVE MAY BE REQUIRED A MINIMUM OF 6" FROM WAX RING

ZONE 11

ZONE 1

Scale: 1/4"=1'-0"

DINING ROOM

4.4

ZONE 10

KITCHEN

ZONE 12

4.3

ZONE 10

4.5 ZONE 1

MANDATORY TUBING NOTES

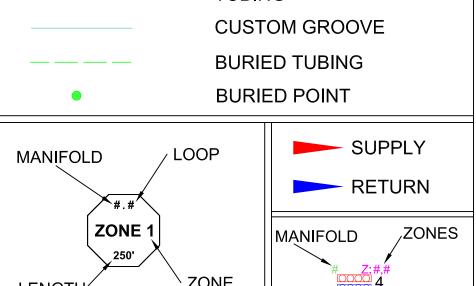
1. USE ONLY WARMBOARD APPROVED TUBING. SEE INSTALLATION MANUAL

2. USE A 16 OZ. RUBBER MALLET TO SECURE TUBING INTO CHANNELS.

3. MINOR FIELD MODIFICATION OF TUBING PLAN IS WELCOME AND TYPICAL. WHEN IN DOUBT CALL WARMBOARD CUSTOMER SERVICE.

QUESTIONS? FOR IMMEDIATE ASSISTANCE CALL: 1.800.556.0595 (8AM - 5PM PT)

# WARMBOARD TUBING LEGEND



_	 TUBING
	 CUSTOM GROOVE
	 DI IDIED TI IDING

	BURIED TUBING  BURIED POINT			
	SUPPLY RETURN	MANIFOLD LOOP		
S	MANIFOLD ZONES  WE PORTS	ZONE 1  LENGTH ZONE		
-	# Z:#.#	250'		

TUBING IN SLAB

ZONE 12

GARAGE

PRIMARY BEDROOM

ZONE 8

PRIMARY

ZONE 9

5.2 70NF 40	5.4 ZONE 12			LINEAR LE		57'
ZONE 12 180'		Not	e: Each zor	ne corresponds	to a singl	e therm
				LOOP SCH	EDULE	
UUUJUUU			ZONE	MANIFOLD	LOOP	LENG
			8	3	1	260

SEE CUT BACK DETAIL - WB SPEC - 14

- SLAB TUBING 9" O.C.

LOOF SCHLDULL				
ZONE	MANIFOLD	LOOP	LENGTH	
8	3	1	260'	
8	3	2	240'	
9	3	3	125'	
10	4	1	225'	
10	4	2	245'	
10	4	3	260'	
10	4	4	250'	
10	4	5	185'	
10	4	6	190'	
11	4	7	175'	
11	4	8	175'	
12	5	1	190'	
12	5	2	180'	
12	5	3	200'	
12	5	4	220'	
	Total		3120'-0"	

ESTIMATED CUSTOM ROUTES

**TURNS** 

NOTE: TUBING IS REQUIRED TO BE INSTALLED AFTER WALLS ARE FRAMED

# WHEN IN DOUBT, ASK!

Please review all installation instructions. If there are any questions or need for technical assistance call: 1.800.556.0595

MANIFOLD & TUBING MATERIALS LIST					
QTY	DESCRIPTION	NOTES			
5	1000' X 1/2" AL PEX ROLL	(1.1,1.2,1.3,1.4,1.5,1.6) 950' (2.1,2.2,2.3,2.4) 885' (2.5,2.6,2.7,2.8,5.1) 900' (3.1,3.2,3.3,4.1) 850' (4.2,4.3,4.4,4.5) 940'			
2	500' X 1/2" AL PEX ROLL	(4.6,4.7) 365' (5.2,5.3) 380'			
2	300' X 1/2" AL PEX ROLL	(4.8) 175' (5.4) 220'			
	SINGLE SUPPLY & RETURN				
	2 PORT SUPPLY & RETURN MANIFOLD KIT				
1	3 PORT SUPPLY & RETURN MANIFOLD KIT				
1	4 PORT SUPPLY & RETURN MANIFOLD KIT				
	5 PORT SUPPLY & RETURN MANIFOLD KIT				
1	6 PORT SUPPLY & RETURN MANIFOLD KIT				
	7 PORT SUPPLY & RETURN MANIFOLD KIT				
2	8 PORT SUPPLY & RETURN MANIFOLD KIT				
58	1/2" COMPRESSION FITTINGS				
29	24 VOLT ACTUATORS				

Materials above to be provided by Warmboard.

# MANIFOLD INSTALLATION

SCALE: NONE - WALL GOODS (DRYWALL, ETC.) - 2x6 WALL STUD OR FUR OUT 2x HEADER 2x4 WALL (MIN 5-1/2" WALL CAVITY REQ.) STUD BAY STUD BAY - WARMBOARD MANIFOLD 120 VAC — CONTROLLER J-BOX — -18ga 24V CONNECTION TYP. - WARMBOARD MANIFOLD CONTROLLER SHUTOFF VALVE -FRAMING DIMENSIONS FOR MANIFOLD BOX TEMPERATURE GUAGE --1/2" PLYWOOD BACKING SUPPLY MANIFOLD LOOPS W X H → HOSE BIB TYP. 2 14"X36" CLEAR 3 16"X36" CLEAR ACTUATOR TYP. - MANIFOLD BRACKET, SECURE TO PLYWOOD BACKING 4 18"X36" CLEAR COPPER TO PEX UNION — (COMPRESSION TYPE) — AUTOMATIC AIR VENT TYP. 5 20"X36" CLEAR - RETURN MANIFOLD 6 22"X36" CLEAR 7 24"X36" CLEAR 8 26"X36" CLEAR - COMPRESSION FITTING - ACCESS PANEL PER ARCHITECT SUPPLY AND RETURN PEX — OR COPPER TUBING -1/2" PEX TUBING SIDE VIEW

REVISIONS: BY:

4K, SUITE G300 AY, SUITE G300 ALIFORNIA 95066

WAKWIBOARD, 100 ENTERPRISE WAY, SUITI SCOTTS VALLEY, CALIFORNI 1.800.556.0595



SAMPLE PROJEC

TUBING/ //ANIFOLDS

DATE: 00/00/2022
SCALE: NTS
DRAWN: N. Willy
REVIEWED: MSH

WBM 2.2

WARMBOARD MANIFOLD LAYOUT

# RADIANT DESIGN SUMMARY

### PROJECT INFORMATION

PROJECT #: 00000

SAMPLE PROJECT PROJECT NAME: PROJECT LOCATION: TOWN, STATE WARMSOURCE SPEC (BTU/HR): 110,000 Natural Gas **FUEL TYPE:** 

PUMP: **UPMXL** 

### PROJECT SUMMARY

CONDITIONED FLOOR AREA (FT ): 4,804 MINIMUM TUBING REQUIRED (FT): 5,665 TOTAL FLOWRATE (USGPM):

MAXIMUM HEAD LOSS (FT  $(H_20)$ ): 30% PROP GLYCOL FLUID TYPE:

TOTAL NUMBER LOOPS: TOTAL NUMBER MANIFOLDS: TOTAL NUMBER ZONES: PROJ. HEATING LOAD (BTU/HR): 71,941 DESIGN ΔT (°F):

### **CLIMATE ASSUMPTIONS**

1.5 °F OUTSIDE DESIGN TEMPERATURE

2. 70 °F INDOOR DESIGN TEMPERATURE (GARAGES COULD BE LESS)

3.350 FT. SITE ALTITUDE

### **NOTES**

1. MAX SURFACE TEMPERATURE OF FINISH FLOOR NOT TO EXCEED 85 °F.

### ADDITIONAL HEAT PUMP INFORMATION

PROJECT INFORMATION

HEAT PUMP SPEC: SIM-060 **BOILER BOOST:** EB-9 **BUFFER BOOST:** 

### PROJECT SUMMARY

TOTAL SYSTEM VOLUME (GAL): 70.4 TOTAL GLYCOL VOLUME (GAL): 21.1

**DESIGN AT CMAT** 

CMAT HEATING LOAD (BTU/HR): 50,937 HEAT PUMP OUTPUT AT CMAT (BTU/HR): 74,165 TOTAL BOOST OUTPUT (BTU/HR): N/A

**DESIGN AT ODT** 

ODT HEATING LOAD (BTU/HR): 76,499 HEAT PUMP OUTPUT AT ODT (BTU/HR): 32,622 TOTAL BOOST OUTPUT (BTU/HR): 46,064

### **CLIMATE ASSUMPTIONS**

70 °F INDOOR DESIGN TEMPERATURE

30 °F COLDEST MONTH AVERAGE TEMPERATURE (CMAT)

5 °F OUTDOOR DESIGN TEMPERATURE (ODT)

### NOTES

2. ENSURE FLUID IN SYSTEM FEEDER TANK MAINTAINS REQUIRED GLYCOL MIXTURE

# RADIANT DESIGN DATA

Room/Floor/Level	Zone	Thermostat Type	Manifold	Loop#	Loop Length (ft)	Est. Min Flow Rate (USGPM)	Supplemental Heat Suggested (≥30 Btu/hr/ft²) (Btu/hr)
Bath 1	1	Heating	1	1	185	0.3	0
Guest Suite	2	Heating		2	185	0.3	0
				3	110	0.3	
Mech. Rm.				4	110	0.3	0
Media	3	Heating		5	190	0.3	0
Den	4	Heating		6	170	0.3	0
Den	4		2	1	215	0.3	0
				2	230	0.3	
				3	235	0.3	
Bedroom 2	5	Heating		4	205	0.3	0
				5	230	0.3	
Bath 2	6	Heating		6	145	0.3	0
Bedroom 1	7	Heating		7	185	0.3	0
				8	150	0.3	
Primary Bedroom	8	Heating	3	1	260	0.4	0
Closet				2	240	0.4	0
Primary Bath	9	Warming		3	125	0.3	0
Living Room	10	Heating	4	1	225	0.4	0
				2	245	0.4	
Dining Room / Kitchen				3	260	0.4	0
				4	250	0.4	
				5	185	0.3	
Entry				6	190	0.3	0
Office	11	Heating		7	175	0.3	0
				8	175	0.3	
Garage	12	Heating	5	1	190	0.3	0
				2	180	0.3	
				3	200	0.3	
				4	220	0.4	

# RADIANT DESIGN REQUIREMENTS

### REQUIRED INSULATION VALUES

- MINIMUM WALL R VALUE: 18.0
- MINIMUM WINDOW U VALUE: 0.3
- MINIMUM SKYLIGHT U VALUE: N/A
- MINIMUM EXTERIOR DOOR R VALUE: 2.0 MINIMUM CEILING R VALUE: 49.0
- MINIMUM SLAB R VALUE: 10.0 MINIMUM FLOOR R VALUE: 30.0
- SUPPLEMENTAL HEAT: NONE REQUIRED
- TYPICAL NEW CONSTRUCTION: NATURAL AIR CHANGES PER HOUR (ACHNAT) OF 0.5

# INSTALLATION NOTES

### INSTALLING CONTRACTOR

INSTALLATION OF THE HEAT PUMP AND ASSOCIATED EQUIPMENT IS TO BE DONE BY A LICENSED PLUMBER OR LICENSED CONTRACTOR ONLY.

INSTALLING CONTRACTOR IS RESPONSIBLE TO CONFIRM THAT THE MATERIALS AND INSTALLATION OF THE SYSTEM MEETS OR EXCEEDS ALL STATE AND LOCAL CODE REQUIREMENTS.

### MANIFOLD DISTRIBUTION

ALL MANIFOLD DISTRIBUTION LINES ARE TO BE TYPE L OR M COPPER PIPE, OR PEX TUBING. INSULATE ALL PIPING, COMPONENTS, AND RADIANT MANIFOLD. ARMACELL-ARMAFLEX INSULATION OR EQ. SUITABLE FOR CHILLED WATER PIPING.

### LOCATION OF HEAT PUMP EQUIPMENT

- ALL COMPRESSOR HEAT PUMPS DO CREATE A MINOR LEVEL OF NOISE.
- FOR HOMEOWNERS WHO MAY BE SENSITIVE TO MINOR PUMPING NOISE, GARAGES AND BASEMENTS ARE BEST LOCATIONS FOR THE WARMSOURCE-HP.

### **TUBING**

- DO NOT MAKE ANY LOOP LONGER THAN EXISTING LONGEST LOOP THAT IS DRAWN ON THE WARMBOARD PLANS.
- PRESSURE TEST ALL TUBING LOOPS USING AIR WITH 60 PSI DURING CONSTRUCTION, AND FOR AT LEAST 24 HOURS BEFORE INSTALLING FINISH FLOOR.

**REVISIONS:** 



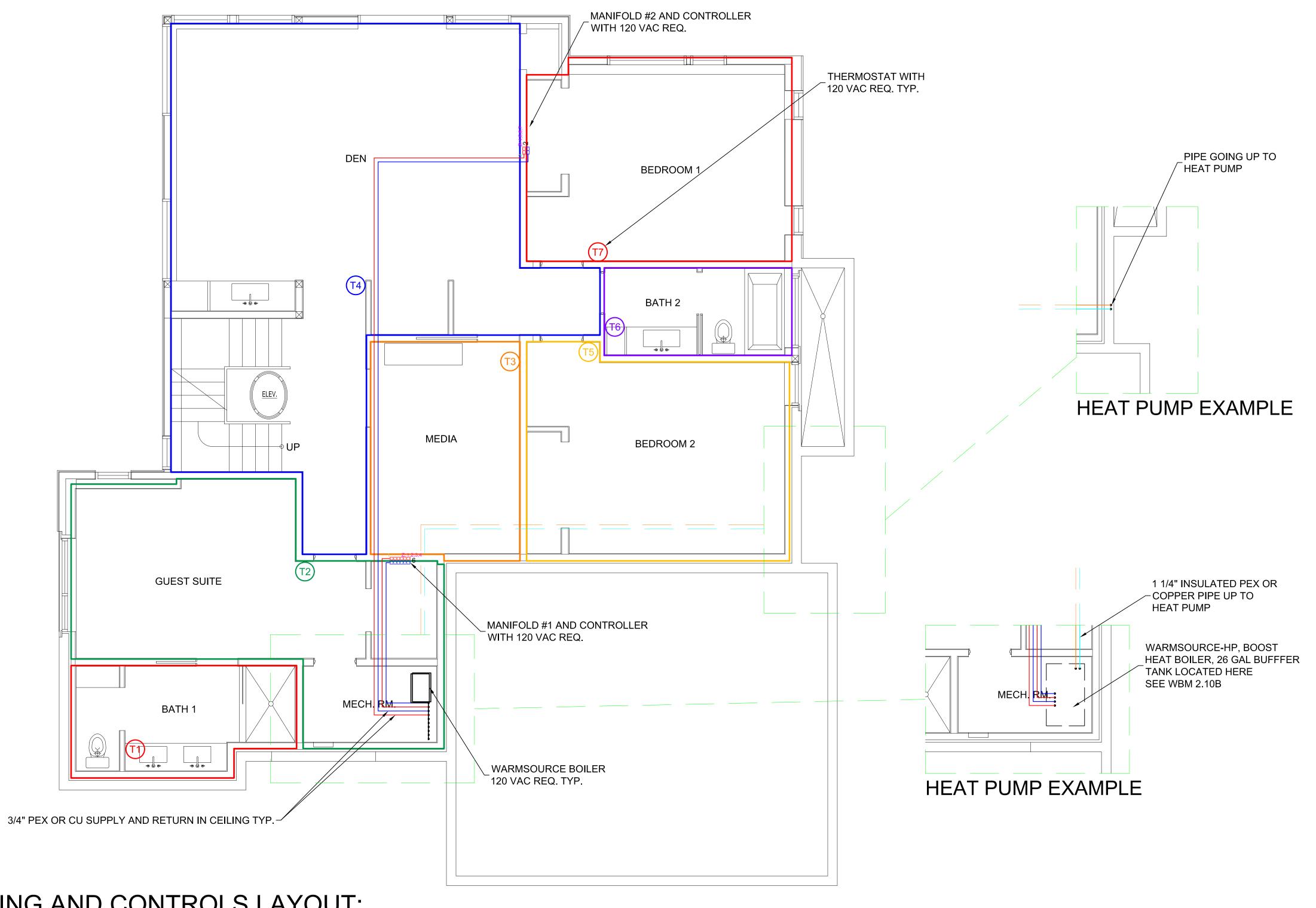
SAMPI

DESIGN SUMMARY

00/00/2022

SCALE: N. Willy REVIEWED: MSH

SHEET: WBM 2.3



# BASEMENT FLOOR PIPING AND CONTROLS LAYOUT:

- MANIFOLDS
- DISTRIBUTION LINES
- THERMOSTATS

	1 1/4" PEX OR COPPER PIPING SCHEDULE					
•	MANIFOLD	LENGTH (FT) (S/R 2-WAY)				
	1	100'				
	TOTAL	100'				

3/4" PEX OR COPPER PIPING SCHEDULE				
MANIFOLD LENGTH (FT) (S/R 2-WA				
1	48'			
2	127'			
3	119'			
4	30'			
5	23'			
TOTAL	347'			

WARMBO	ARD PIPING LEGEND		
	3/4" MANIFOLD DISTRIBUTION PIPING		
	1 1/4" HEAT PUMP S/R PIPING		
MANIFOLD ZONES  MANIFOLD WITH 120 VAC REQ.  PORTS			
T1	THERMOSTAT WITH 120 VAC REQ. MIN. 18 CU INCH J-BOX		

1. INSULATE ALL PEX/COPPER PIPING
2. PRESSURE TEST ALL DISTRIBUTION LINES

QUESTIONS? FOR IMMEDIATE ASSISTANCE
CALL: 1.800.556.0595 (8AM - 5PM PT)

REVISIONS: BY:

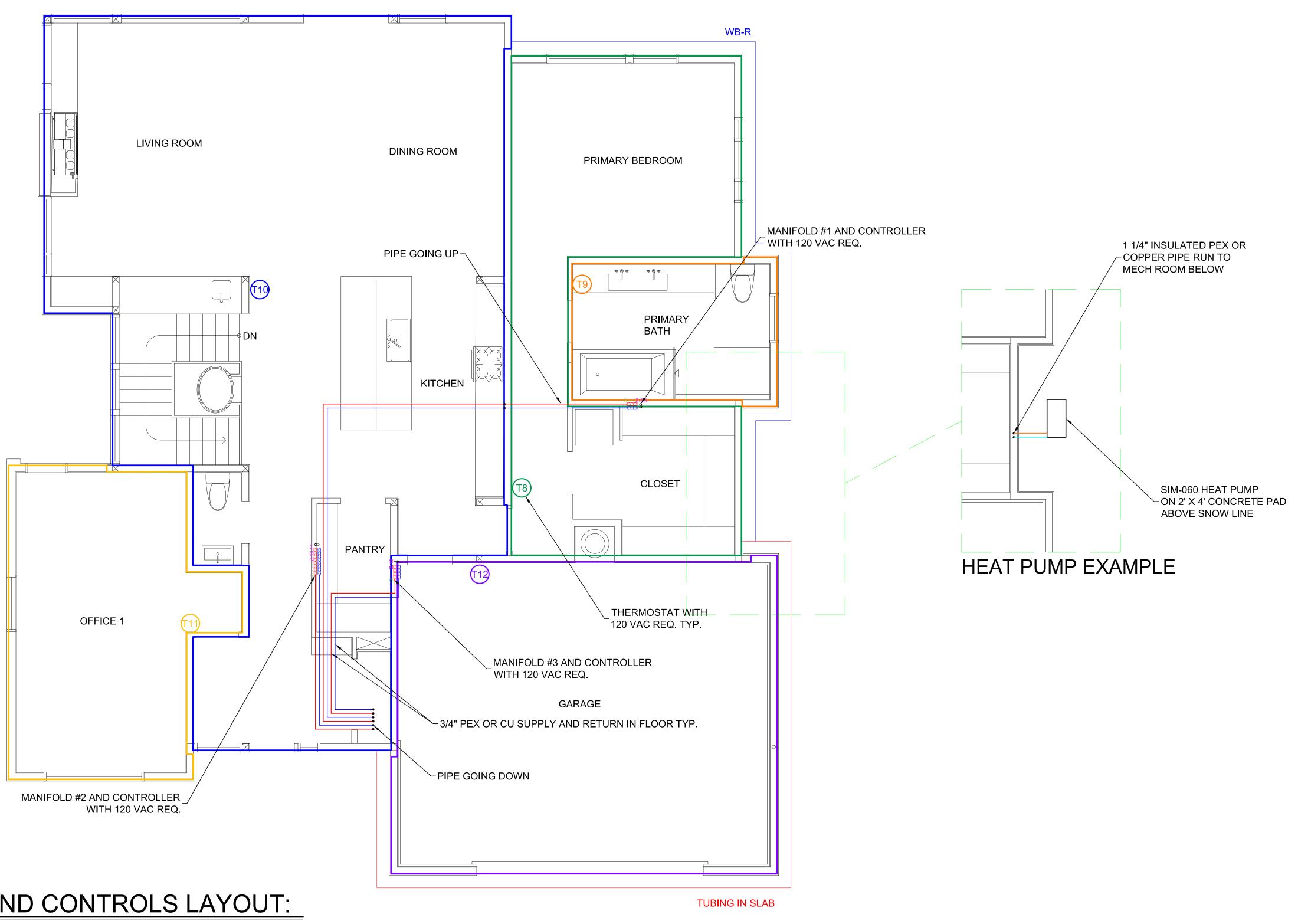
ARMBOARD, INC ENTERPRISE WAY, SUITE G300 OTTS VALLEY, CALIFORNIA 95066



SAMPLE PROJECTOBH 000000
Town, State

PIPING LAYOUT

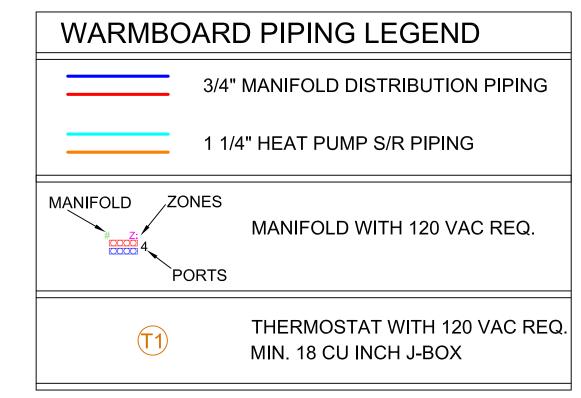
WBN	12.4
SHEET:	
REVIEWED:	MSH
DRAWN:	N. Willy
SCALE:	1/4" = 1'
DATE:	00/00/2022



# MAIN FLOOR PIPING AND CONTROLS LAYOUT:

- MANIFOLDS
- DISTRIBUTION LINES
- THERMOSTATS

3/4" PEX OR COPPER PIPING SCHEDULE				
MANIFOLD LENGTH (FT) (S/R 2-WAY)				
1 48'				
2	127'			
3	119'			
4	30'			
5	23'			
TOTAL 347'				



WARMBOARD	PIPING LEGEND
3/4"	MANIFOLD DISTRIBUTION PIPING
1 1/4	1" HEAT PUMP S/R PIPING
ZONES  #Z  PORTS	MANIFOLD WITH 120 VAC REQ.
T1	THERMOSTAT WITH 120 VAC REQ. MIN. 18 CU INCH J-BOX

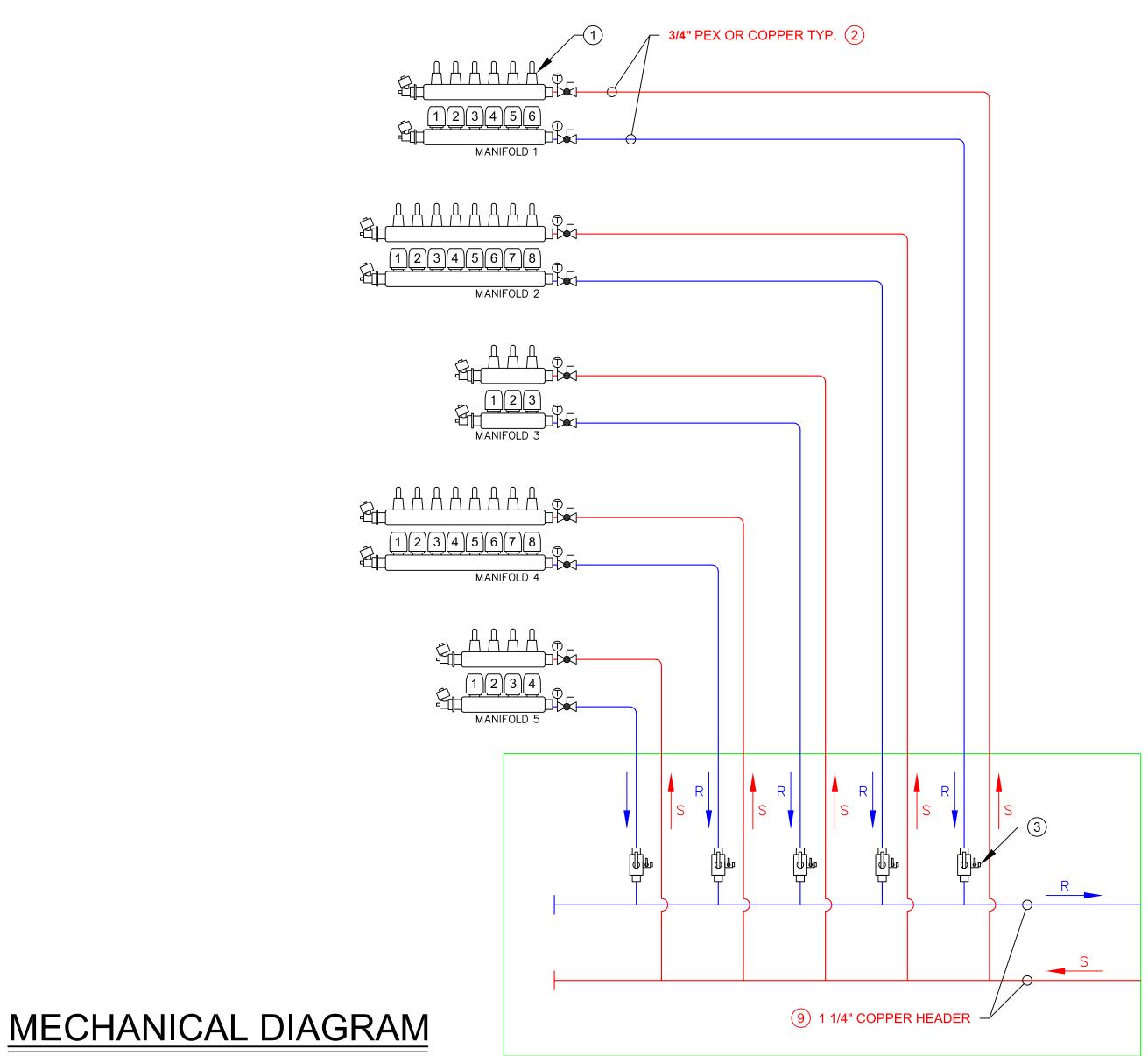
REVISIONS:	BY:

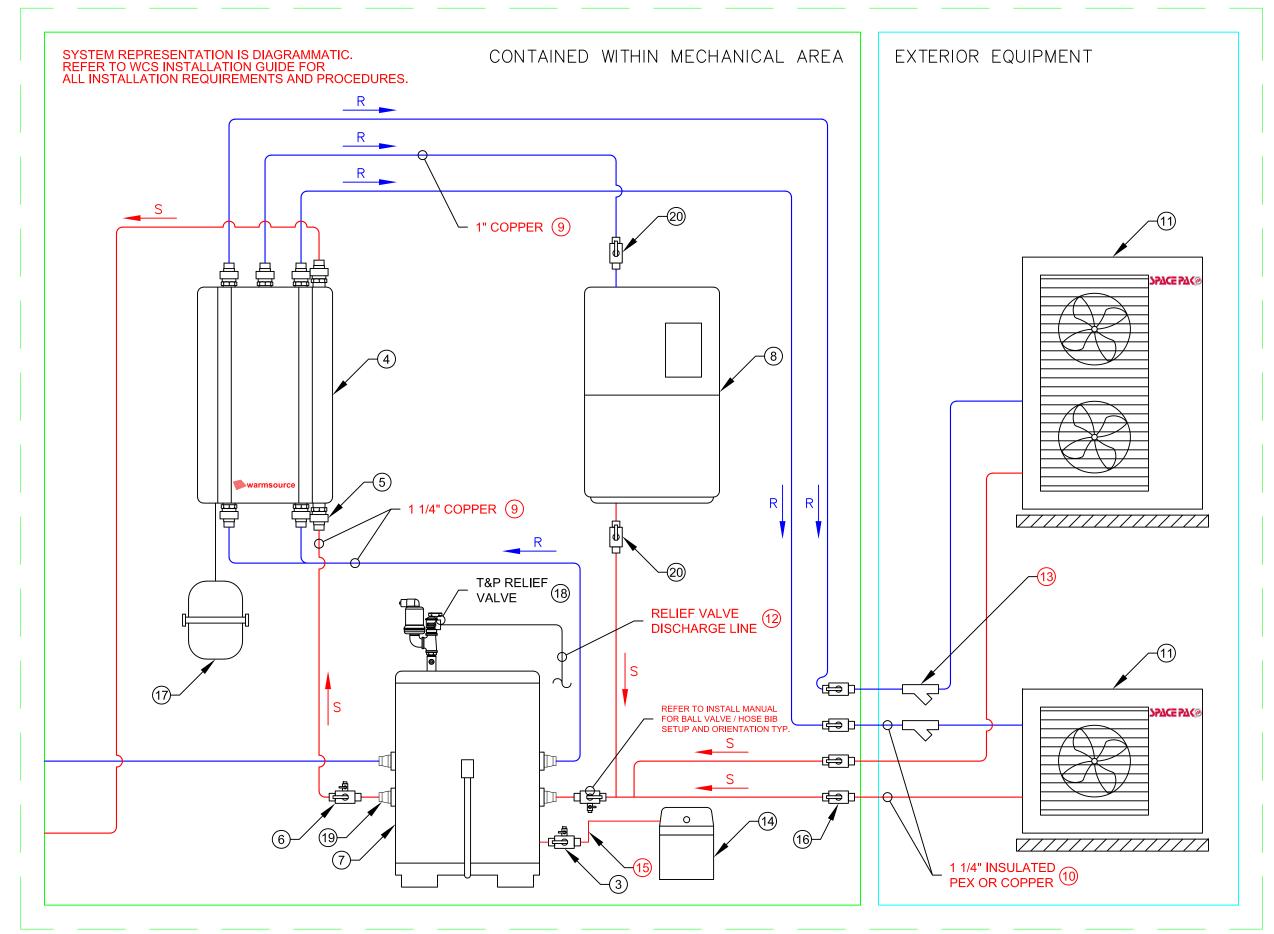


WBN	12.5
SHEET:	
REVIEWED:	MSH
DRAWN:	N. Willy
SCALE:	1/4" = 1'
DATE:	00/00/2022

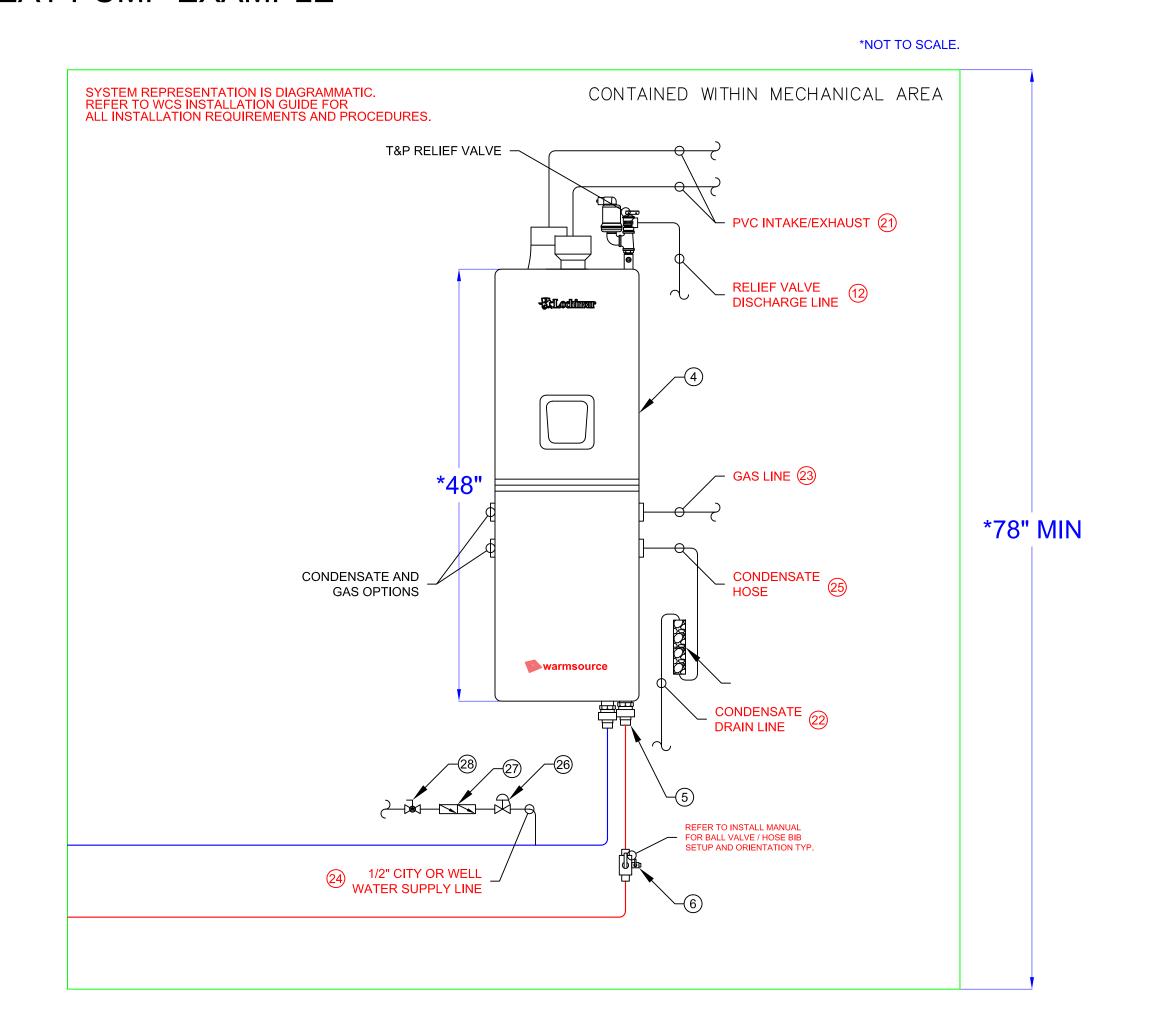
	SYSTEM C	OMPONEN	TS		
ТЕМ	COMPONENT	SIZE	QTY	SUPPLIER	
1	WARMBOARD SUPPLY/RETURN MANIFOLD TYP.		5	WARMBOARD	
2	COPPER OR PEX SUPPLY/RETURN LINES TYP.	3/4"	736'	CONTRACTOR SUPPLIED	
3	BALL VALVE/HOSE BIB COMBO	3/4"	5	WARMBOARD	
4	WARMSOURCE-HP	AS SHOWN	2	WARMBOARD	
(5)	BRASS UNION	1 1/4"	9	WARMBOARD	
6	BALL VALVE/HOSE BIB COMBO	1 1/4"	5	WARMBOARD	
7	BUFFER TANK	BT-26	1	WARMBOARD	
8	BOILER BOOST HEAT	EB-9	1	WARMBOARD	
9	COPPER PIPES	AS SHOWN	TBD	CONTRACTOR SUPPLIED	
10	INSULATED PEX OR COPPER PIPES	1 1/4"	100'	CONTRACTOR SUPPLIED	
11)	HEAT PUMP	AS SHOWN	2	WARMBOARD	
12	RELIEF VALVE DISCHARGE LINE	3/4"	2	CONTRACTOR SUPPLIED	
13	Y-STRAINER	AS SHOWN	2	CONTRACTOR SUPPLIED	
14	GLYCOL FEEDER TANK	6 GAL	1	WARMBOARD	
15	GLYCOL FEEDER HOSE	1/2" FLEX	1	CONTRACTOR SUPPLIED	
16	ISOLATION VALVE	1 1/4"	1	WARMBOARD	
17	EXTERNAL EXPANSION TANK (HOSE INCL.)	4.4 GAL	1	WARMBOARD	
13	T&P RELIEF VALVE		1	WARMBOARD	
19	BUSHINGS	1 1/2" X 1 1/4"	1	WARMBOARD	
20	ISOLATION VALVE	1"	1	WARMBOARD	
21	PVC INTAKE/EXHAUST	2" OR 3"	2	CONTRACTOR SUPPLIED	
22	CONDENSATE DRAIN LINE	3/4"	1	CONTRACTOR SUPPLIED	
23	GAS LINE	PER INSTALLER	1	CONTRACTOR SUPPLIED	
24	CITY OR WELL WATER SUPPLY LINE	1/2"	1	CONTRACTOR SUPPLIED	
25	CONDENSATE HOSE	3/4"	1	CONTRACTOR SUPPLIED	
29	PRESSURE REDUCING VALVE	1/2"	1	WARMBOARD	
2	DUAL CHECK BACKFLOW PREVENTER	1/2"	1	WARMBOARD	
23	BALL VALVE	1/2"	1	WARMBOARD	
* ITE	* ITEMS SHOWN IN RED NOT SUPPLIED BY WARMBOARD				

IMPORTANT DESIGN NOTE:
WARMBOARD INC.
REQUIRES 30% PROPYLENE
GLYCOL BE USED IN THIS
HEATING SYSTEM FOR
FREEZE PROTECTION.
IF THIS RADIANT SYSTEM
DOES NOT CONTAIN
FREEZE PROTECTION
WARMBOARD INC. CANNOT
ASSUME RESPONSIBILITY.





### HEAT PUMP EXAMPLE



REVISIONS: BY:

UITE G300 ORNIA 95066

ARMBOARD, IN ENTERPRISE WAY, SUITE G3C OTTS VALLEY, CALIFORNIA 950 0 556 0 505



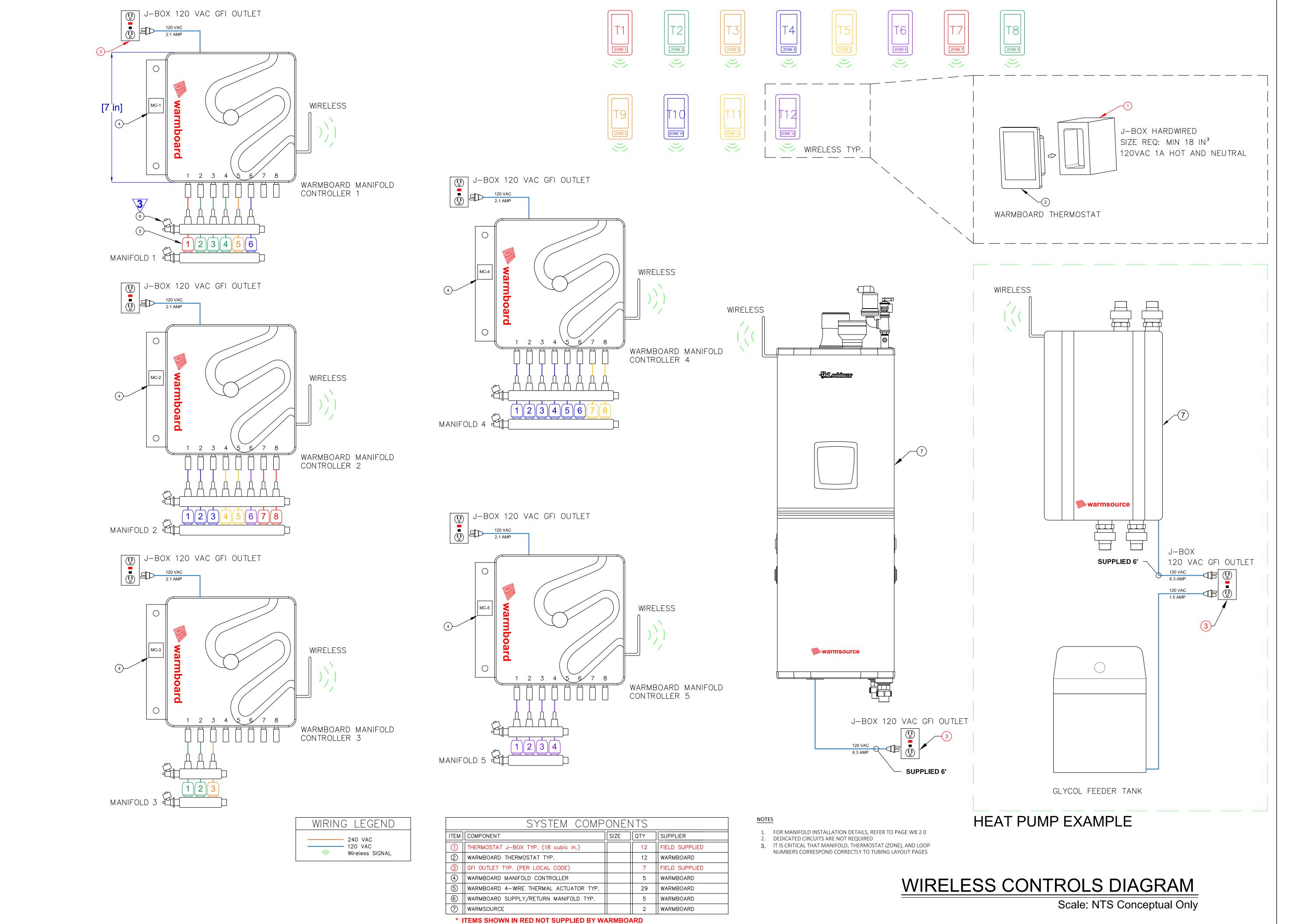
SAMPLE PROJECT
JOB# 00000
Town, State

MECHANICAL DIAGRAM

DATE: 00/00/2022
SCALE: NTS
DRAWN: N. Willy

REVIEWED: MSH
SHEET:
WBM 2.6

Scale: NTS Conceptual Only



REVISIONS: BY:

300

MARMBOARD, I 00 ENTERPRISE WAY, SUITE G COTTS VALLEY, CALIFORNIA 8



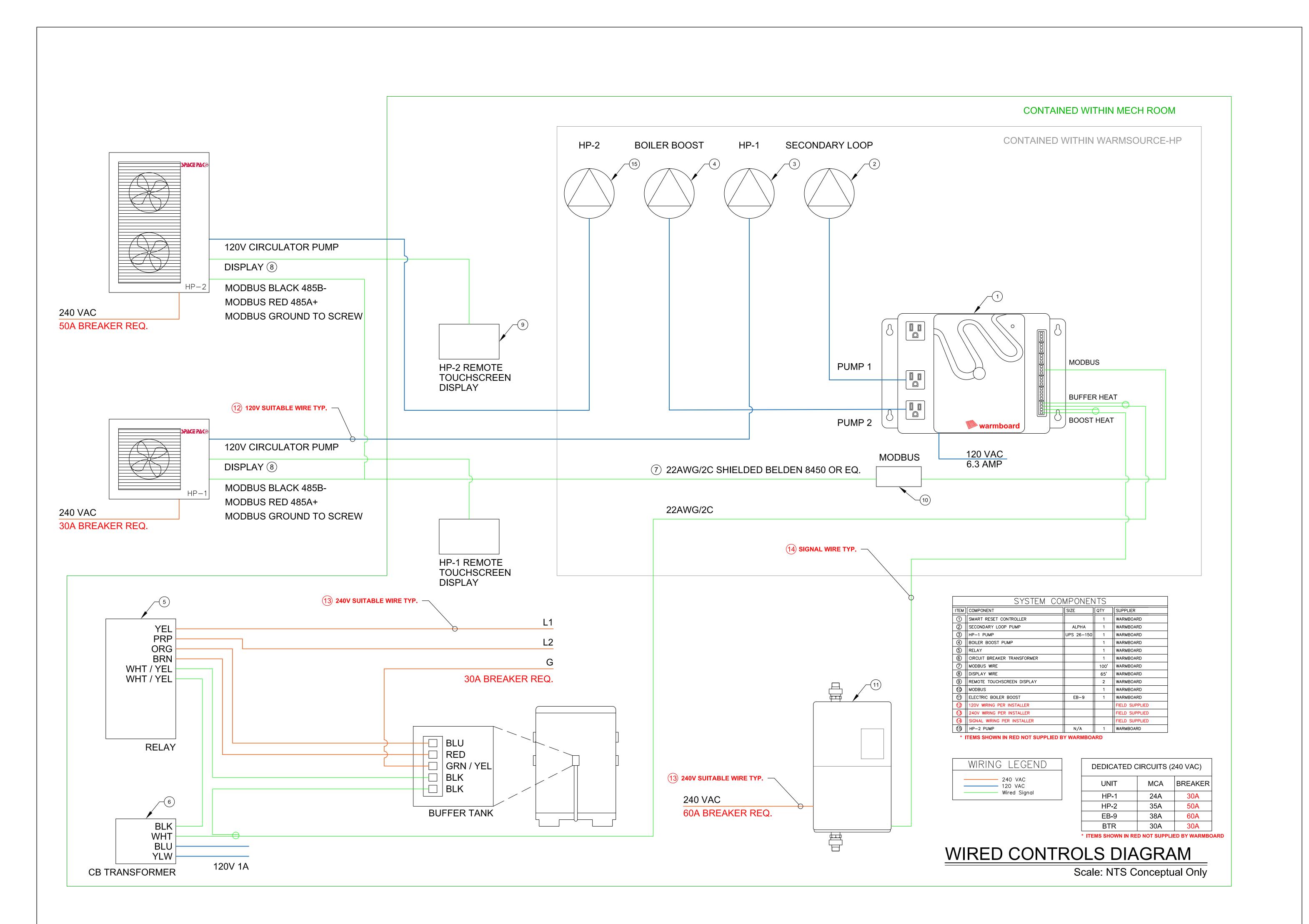
SAMPLE PROJECT
JOB# 00000
Town, State

IKELESS ONTROLS IAGRAM

TE: 00/00/2022

SCALE: NTS
DRAWN: N. Willy
REVIEWED: MSH

SHEET: WBE 3.0



REVISIONS: BY:

/ARMBOARD, INC.

0 ENTERPRISE WAY, SUITE G300

COTTS VALLEY, CALIFORNIA 95066



SAMPLE PROJEC
JOB# 00000
Town, State

WIRED CONTROLS DIAGRAM

DATE: 00/00/2022

SCALE: NTS

DRAWN: N. Willy

REVIEWED: MSH

SHEET: WBE 3.1