

VIAWORKS INTEGRATED  
THERMOSTATIC SHOWER SYSTEM  
DIAGRAMS





ESTB. 1978

WATERWORKS

# VIAWORKS INTEGRATED THERMOSTATIC SHOWER DIAGRAMS

## SHOWER SYSTEM CHART:

SYSTEM SHOWER COMPONENTS	SYSTEM OPERATION (FITTINGS RUNNING SIMULTANEOUSLY)	PAGE
SHOWERHEAD ONLY	1	6
SHOWERHEAD AND HANDSHOWER	2	7
	1	8
	2 (INTEGRATED DUAL VC)	9
	2 (INTEGRATED BYPASS DUAL VC)	10
SHOWERHEAD AND TUB SPOUT	2	11
	1	12
	2 (INTEGRATED DUAL VC)	13
2 SHOWERHEADS	2	14
	1	15
SHOWERHEAD, HANDSHOWER, AND TUB SPOUT	2	16
	1	17
	3 (INTEGRATED BYPASS DUAL VC)	18
2 SHOWERHEADS AND HANDSHOWER	2	19
	1	20

SYSTEM END FITTINGS [continued]	SYSTEM OPERATION (FITTINGS RUNNING SIMULTANEOUSLY)	PAGE
SHOWERHEAD AND SPRAY BAR	2	21
SHOWERHEAD, HANDSHOWER, AND SPRAY BAR	2	22
2 SHOWERHEADS, HANDSHOWER, AND SPRAY BAR	2	23
SHOWERHEAD AND 2 SPRAY BARS	3 (3/4" ONLY)	24
SHOWERHEAD, HANDSHOWER, AND 2 SPRAY BARS	3 (3/4" ONLY)	25
	4 (INTEGRATED BYPASS DUAL VC)	26
2 SHOWERHEADS, HANDSHOWER, 2 SPRAY BARS	3 (3/4" ONLY)	27
SHOWERHEAD, HANDSHOWER, AND 6 BODY SPRAYS	8 (INTEGRATED BYPASS DUAL VC)	28



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# VIAWORKS INTEGRATED THERMOSTATIC SHOWER DIAGRAMS

## 1/2" VIABOX INTEGRATED THERMOSTATIC VALVE AND TRIM COMPATIBILITY CHART:

COLLECTION	SHOWER COMPONENT QTY	SYSTEM OPERATION (FITTINGS RUNNING SIMULTANEOUSLY)	VALVES REQUIRED	
			INTEGRATED	VOLUME
FLYTE HIGHGATE LUDLOW RIVERUN TRANSIT	1	1	GUTH61	N/A
	2	2	GUTH61	GUVC18/19
	2	1	GUTH62	N/A
	3	2	GUTH62	GUVC18/19
	3	1	GUTH63	N/A
	4	2	GUTH63	GUVC18/19

## 1/2" INTEGRATED THERMOSTATIC VALVE AND TRIM COMPATIBILITY CHART:

COLLECTION	SHOWER COMPONENT QTY	SYSTEM OPERATION (FITTINGS RUNNING SIMULTANEOUSLY)	VALVES REQUIRED	
			INTEGRATED	VOLUME
BOND	1	1	GUTH71	N/A
	2	2	GUTH71	GUVC18/19
	2	1	GUTH72	N/A
	3	2	GUTH72	GUVC18/19
	3	1	GUTH73	N/A
	4	2	GUTH73	GUVC18/19

## 3/4" INTEGRATED THERMOSTATIC VALVE AND TRIM COMPATIBILITY CHART:

COLLECTION	SHOWER COMPONENT QTY	SYSTEM OPERATION (FITTINGS RUNNING SIMULTANEOUSLY)	VALVES REQUIRED	
			INTEGRATED	VOLUME
BOND	2	2	GUTH74	N/A
	3	3	GUTH74	GUVC16/17
	4	4	GUTH74	GUVC16/17 (X2)
	8 (BODY SPRAYS)	8	GUTH74	GUVC16/17 (X2)
BOULEVARD	1	1	GUTH46	N/A
	2	2	GUTH46	GUVC16/17
	3	3	GUTH46	GUVC16/17 (X2)
DASH	1	1	GUTH48	N/A
	2	2	GUTH48	GUVC16/17
	2	1	GUTH52	N/A
	3	3	GUTH48	GUVC16/17 (X2)
	3	2	GUTH52	GUVC16/17
	3	1	GUTH50	N/A
	4	3	GUTH52	GUVC16/17 (X2)
	4	2	GUTH50	GUVC16/17
	5	3	GUTH50	GUVC16/17 (X2)
HENRY	2	2	GUTH47	N/A



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# VIAWORKS INTEGRATED THERMOSTATIC SHOWER DIAGRAMS

## INTEGRATED THERMOSTATIC VALVE INFORMATION:

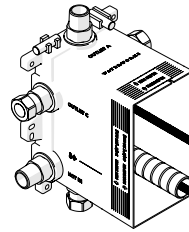
- Thermostatic Valves only mix hot and cold water, they do not have on/off/ volume control/diverting functions. Mixed water flows out at a fixed volume to the Integrated Volume Control or Diverter Valve.
- INTEGRATED THERMOSTATIC VALVES have 2 inlet connection size categories: 1/2" and 3/4".

VALVE		INLET CONNECTIONS
GUTH61	GUTH71	1/2" Male NPT
GUTH62	GUTH72	
GUTH63	GUTH73	
GUTH46	GUTH50	3/4" Female NPT
GUTH47	GUTH52	
GUTH48	GUTH74	

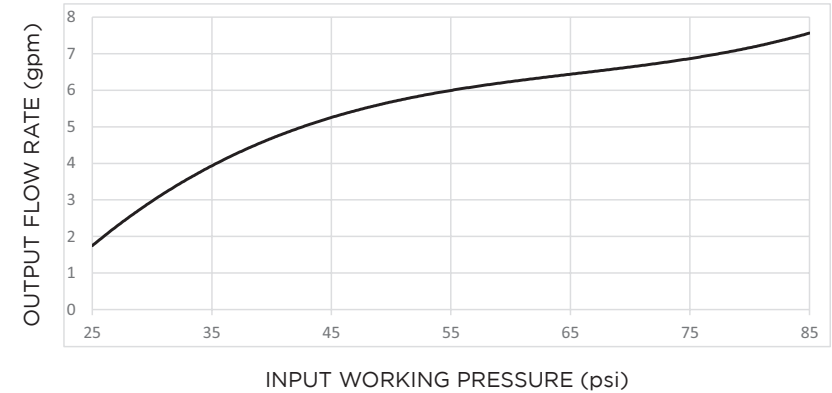
- INTEGRATED THERMOSTATIC VALVES have an optional bottom outlet that must be used in conjunction with separate volume control valve(s).
- For the 1/2" category, the number of shower components flowing simultaneously must not exceed 2 when utilizing the optional bottom outlet port. Running more than 2 fittings simultaneously will reduce the flow rate through each fitting.
- Volume Control Valves have 2 inlet connection size categories as well as 2 handle rotation options.

VALVE	INLET/OUTLET CONNECTIONS	HANDLE TURN
GUVC18	1/2" Female NPT	Counter-clockwise Open
GUVC19		Clockwise Open
GUVC16	3/4" Female NPT	Counter-clockwise Open
GUVC17		Clockwise Open

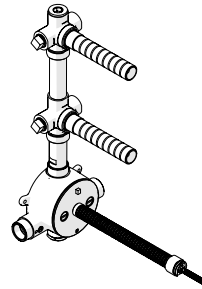
## GUTH61/GUTH62/GUTH63/GUTH71/GUTH72/GUTH73 FLOW CHART(Fully Open)



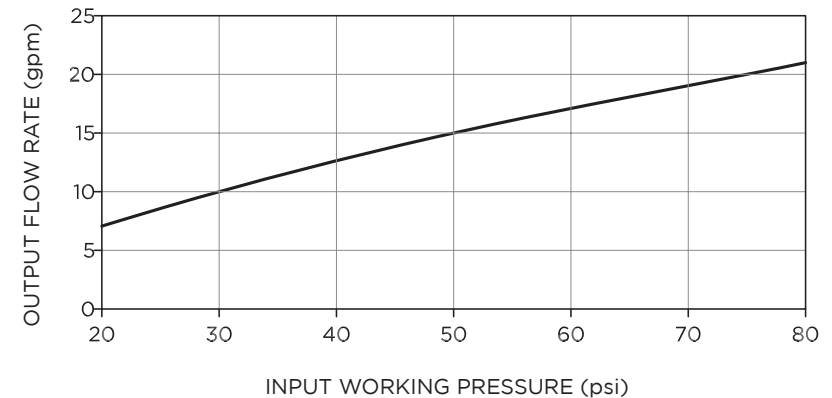
[GUTH61 SHOWN]



## GUTH46/GUTH47/GUTH48/GUTH50/GUTH52/GUTH74 FLOW CHART (with Volume Control or Diverter Open)



[GUTH74 SHOWN]





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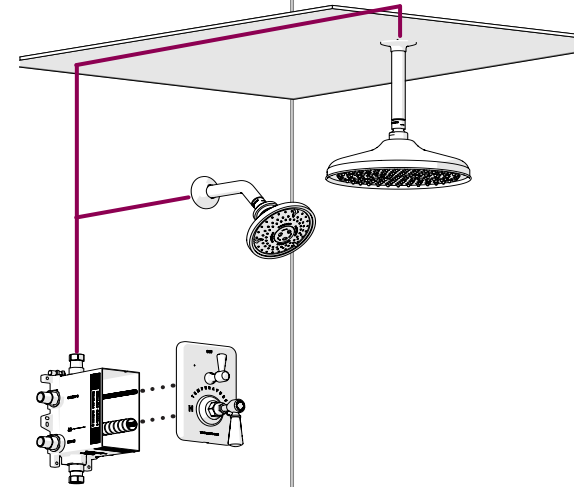
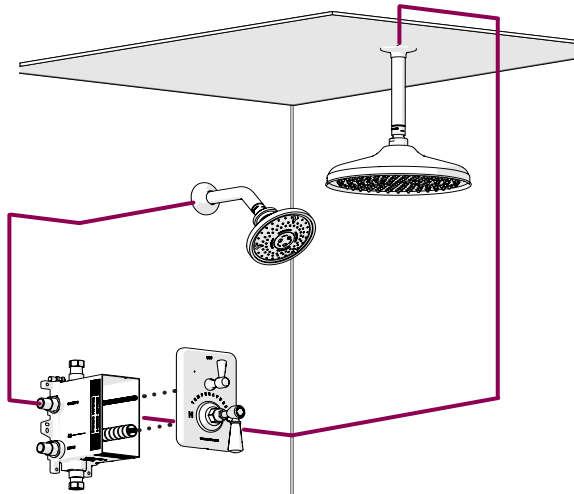
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# VIAWORKS INTEGRATED THERMOSTATIC SHOWER DIAGRAMS

## 1/2" INTEGRATED THERMOSTATIC VALVE RESTRICTIONS:

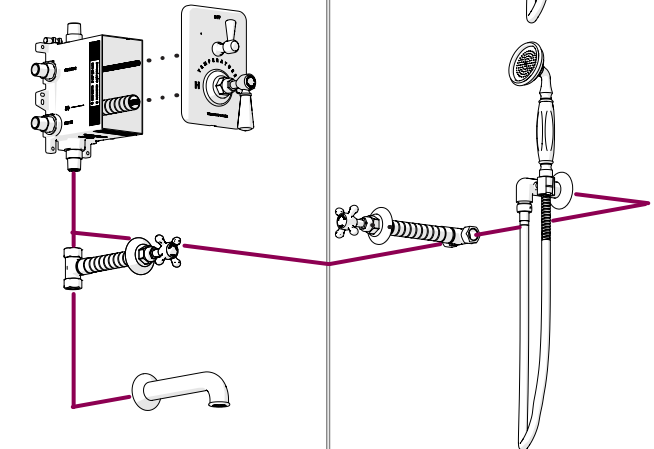
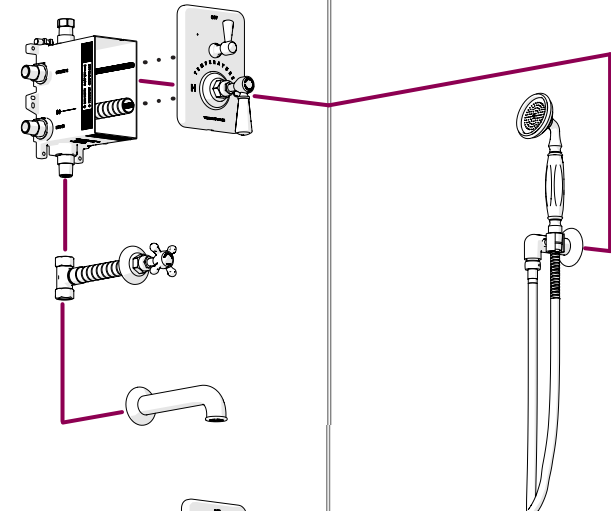
### TOP OUTLET PORT(S) USE:

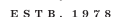
- Each outlet port from the integrated volume control or diverter valve can only be used for 1 fitting operating at a time.
- A single TOP OUTLET CANNOT be used to flow water to more than one fitting.



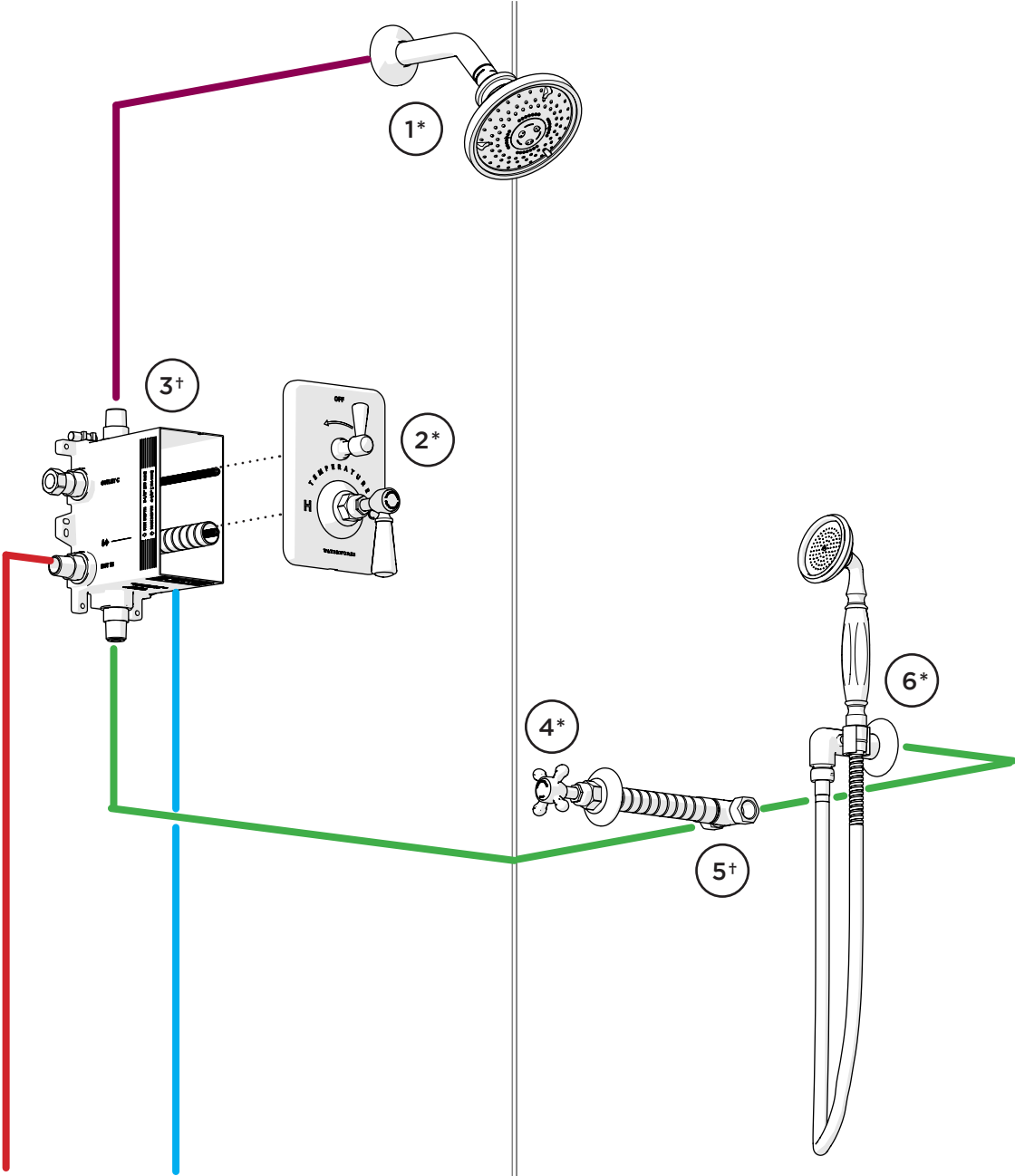
### BOTTOM OUTLET PORT(S) USE:

- If an additional shower component OPERATING SIMULTANEOUSLY is desired, the bottom outlet port can be used with a separate Volume Control Valve and Trim.
- The bottom outlet **CANNOT BE USED** to flow water to more than 1 shower component.
  - MULTIPLE VOLUME CONTROL VALVES CANNOT BE USED.
  - Running 2 fittings simultaneously from the bottom port will reduce the flow rate through each fitting.
- If 3 or more shower components operating simultaneously is desired, a shower system using a 3/4" Integrated or 3/4" Single Thermostatic Valve is recommended.





The diagram illustrates the installation of the WaterWALK shower system. It features a central control unit with three main ports: a red 'HOT IN' port at the bottom, a blue 'COLD IN' port at the bottom, and a purple 'OUTLET C' port at the top. A purple line connects the 'OUTLET C' port to a showerhead labeled '1\*'. A red line connects the 'HOT IN' port to a wall. A blue line connects the 'COLD IN' port to a wall. To the right of the unit is a control panel labeled '2\*' with a temperature dial and a handle. The dial has markings for 'OFF', 'H', and 'TEMPERATURE'. The brand name 'WATERWALK' is visible at the bottom of the panel. A label on the side of the unit provides technical specifications: '1/2\"



DRAWING NOT TO SCALE - VALVES SHOWN ARE FOR DISPLAY ONLY

SYSTEM SHOWER COMPONENTS	SHOWER COMPONENT QTY	SYSTEM OPERATION (FITTINGS RUNNING SIMULTANEOUSLY)	CALIFORNIA COMPLIANT
SHOWERHEAD AND HANDSHOWER	2	2	NO

LIST OF COMPONENTS SHOWN:

1. WALL MOUNTED SHOWERHEAD
2. THERMOSTATIC WITH INTEGRATED VOLUME CONTROL TRIM
3. THERMOSTATIC WITH INTEGRATED VOLUME CONTROL VALVE
4. VOLUME CONTROL TRIM
5. VOLUME CONTROL VALVE
6. HANDSHOWER

INTEGRATED THERMOSTATIC VALVE OPTIONS†:

- GUTH46
- GUTH48
- GUTH61 [SHOWN]
- GUTH71

COLD WATER SUPPLY

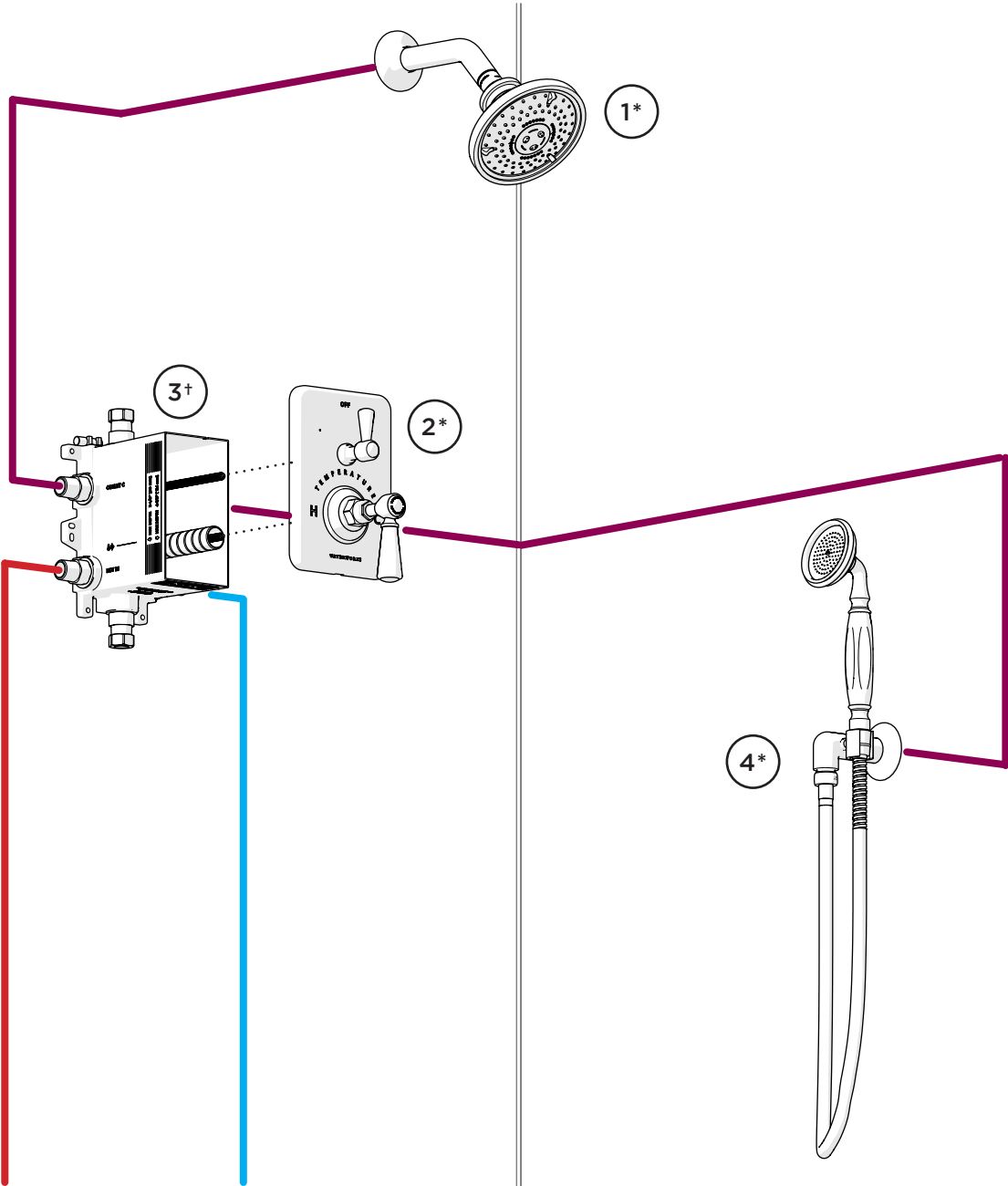
HOT WATER SUPPLY

MIXED WATER FROM INTEGRATED VOLUME CONTROL VALVE

MIXED WATER FROM BOTTOM OUTLET PORT OF THERMOSTATIC VALVE

\* THE SHOWER COMPONENTS SHOWN ARE ONLY SUGGESTED AND CAN BE REPLACED WITH OTHER WATERWORKS SHOWER FITTINGS.

† THE REQUIRED VALVES WILL VARY DEPENDING ON THE SYSTEM OPERATION AND COLLECTION CHOSEN. REFER TO THE COMPATIBILITY CHART ON PAGE 3 FOR COMPLETE LIST OF VALVES.



DRAWING NOT TO SCALE - VALVES SHOWN ARE FOR DISPLAY ONLY

SYSTEM SHOWER COMPONENTS	SHOWER COMPONENT QTY	SYSTEM OPERATION (FITTINGS RUNNING SIMULTANEOUSLY)	CALIFORNIA COMPLIANT
SHOWERHEAD AND HANDSHOWER	2	1	YES (AT 1.75 GPM)

LIST OF COMPONENTS SHOWN:

1. WALL MOUNTED SHOWERHEAD
2. THERMOSTATIC WITH INTEGRATED TWO WAY DIVERTER TRIM
3. THERMOSTATIC WITH INTEGRATED TWO WAY DIVERTER VALVE
4. HANDSHOWER

INTEGRATED THERMOSTATIC VALVE OPTIONS†:

- GUTH52
- GUTH62 [SHOWN]
- GUTH72

COLD WATER SUPPLY

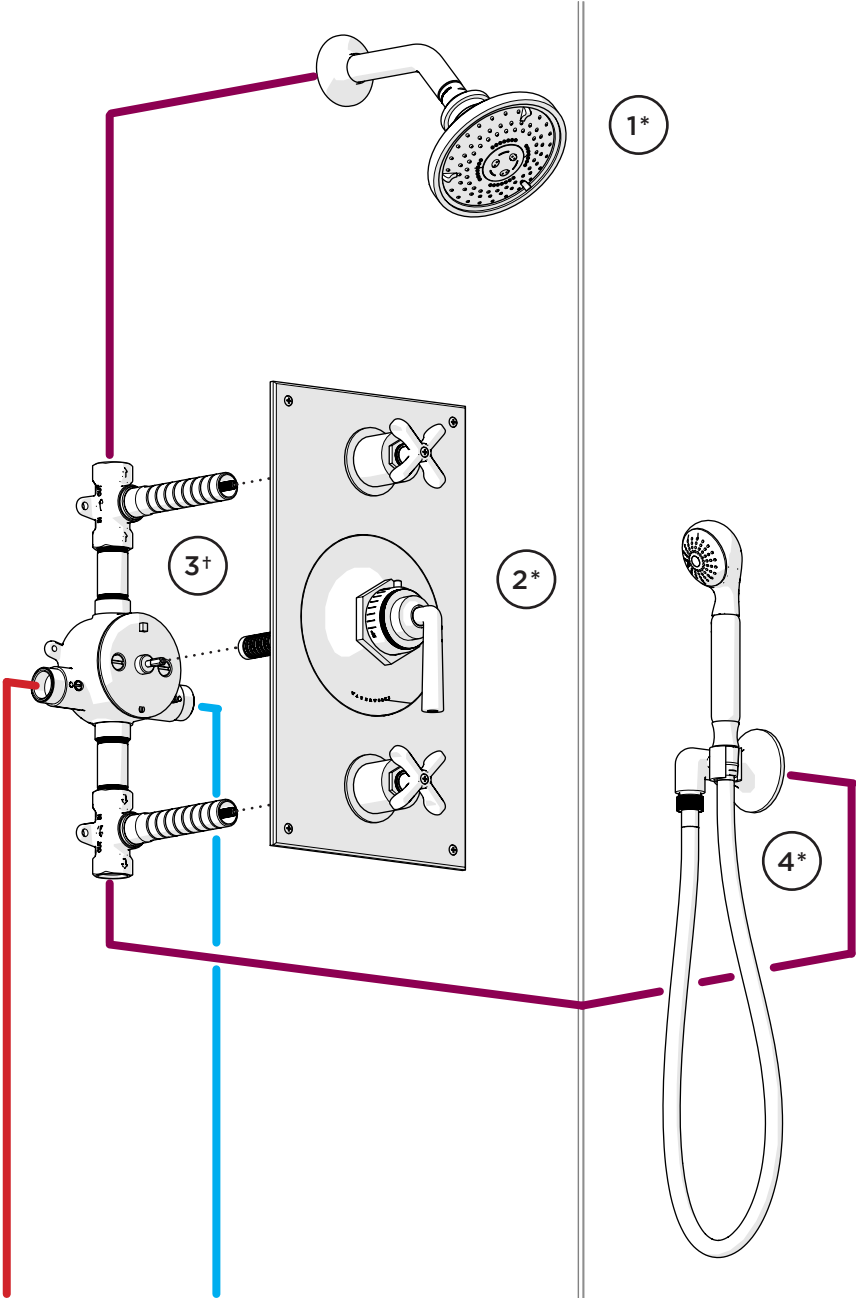
HOT WATER SUPPLY

MIXED WATER FROM TWO WAY  
INTEGRATED DIVERTER VALVE

\* THE SHOWER COMPONENTS SHOWN ARE ONLY SUGGESTED AND CAN BE REPLACED WITH OTHER WATERWORKS SHOWER FITTINGS.

† THE REQUIRED VALVES WILL VARY DEPENDING ON THE SYSTEM OPERATION AND COLLECTION CHOSEN. REFER TO THE COMPATIBILITY CHART ON PAGE 3 FOR COMPLETE LIST OF VALVES.





DRAWING NOT TO SCALE - VALVES SHOWN ARE FOR DISPLAY ONLY

SYSTEM SHOWER COMPONENTS	SHOWER COMPONENT QTY	SYSTEM OPERATION (FITTINGS RUNNING SIMULTANEOUSLY)	CALIFORNIA COMPLIANT
SHOWERHEAD AND HANDSHOWER	2	2	NO

LIST OF COMPONENTS SHOWN:

1. WALL MOUNTED SHOWERHEAD
2. THERMOSTATIC TRIM WITH INTEGRATED DUAL VOLUME CONTROLS
3. THERMOSTATIC VALVE WITH INTEGRATED DUAL VOLUME CONTROLS
4. HANDSHOWER

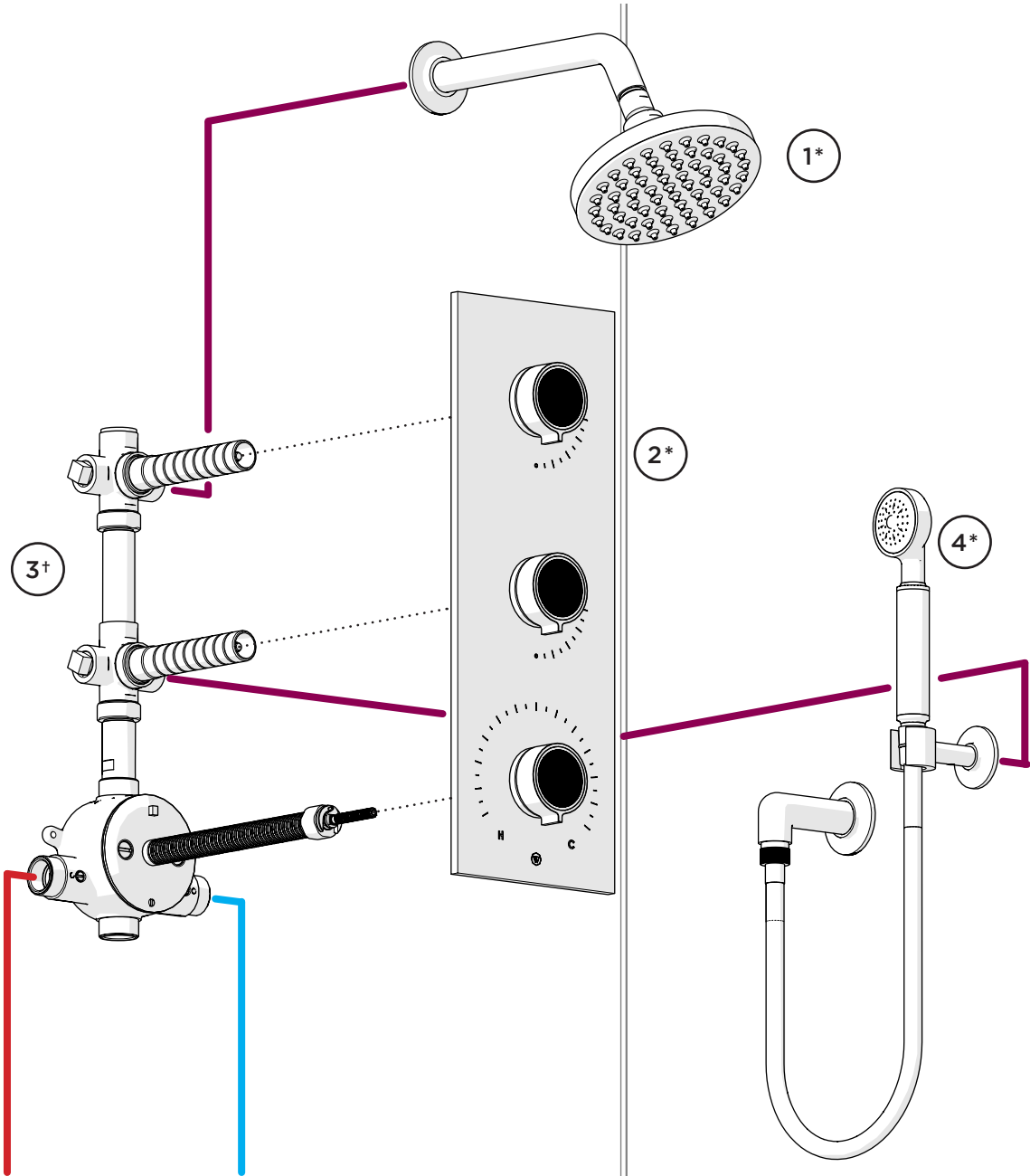
INTEGRATED THERMOSTATIC VALVE OPTIONS†:

- GUTH47 [SHOWN]

- COLD WATER SUPPLY
- HOT WATER SUPPLY
- MIXED WATER FROM TOP INTEGRATED VOLUME CONTROL VALVE
- MIXED WATER FROM BOTTOM INTEGRATED VOLUME CONTROL VALVE

\* THE SHOWER COMPONENTS SHOWN ARE ONLY SUGGESTED AND CAN BE REPLACED WITH OTHER WATERWORKS SHOWER FITTINGS.

† THE REQUIRED VALVES WILL VARY DEPENDING ON THE SYSTEM OPERATION AND COLLECTION CHOSEN. REFER TO THE COMPATIBILITY CHART ON PAGE 3 FOR COMPLETE LIST OF VALVES.



DRAWING NOT TO SCALE - VALVES SHOWN ARE FOR DISPLAY ONLY

SYSTEM SHOWER COMPONENTS	SHOWER COMPONENT QTY	SYSTEM OPERATION (FITTINGS RUNNING SIMULTANEOUSLY)	CALIFORNIA COMPLIANT
SHOWERHEAD AND HANDSHOWER	2	2	NO

LIST OF COMPONENTS SHOWN:

1. WALL MOUNTED SHOWERHEAD
2. THERMOSTATIC TRIM WITH INTEGRATED DUAL VOLUME CONTROLS
3. THERMOSTATIC VALVE WITH INTEGRATED BYPASS DUAL VOLUME CONTROLS
4. HANDSHOWER

INTEGRATED THERMOSTATIC VALVE OPTIONS†:

- GUTH74 [SHOWN]

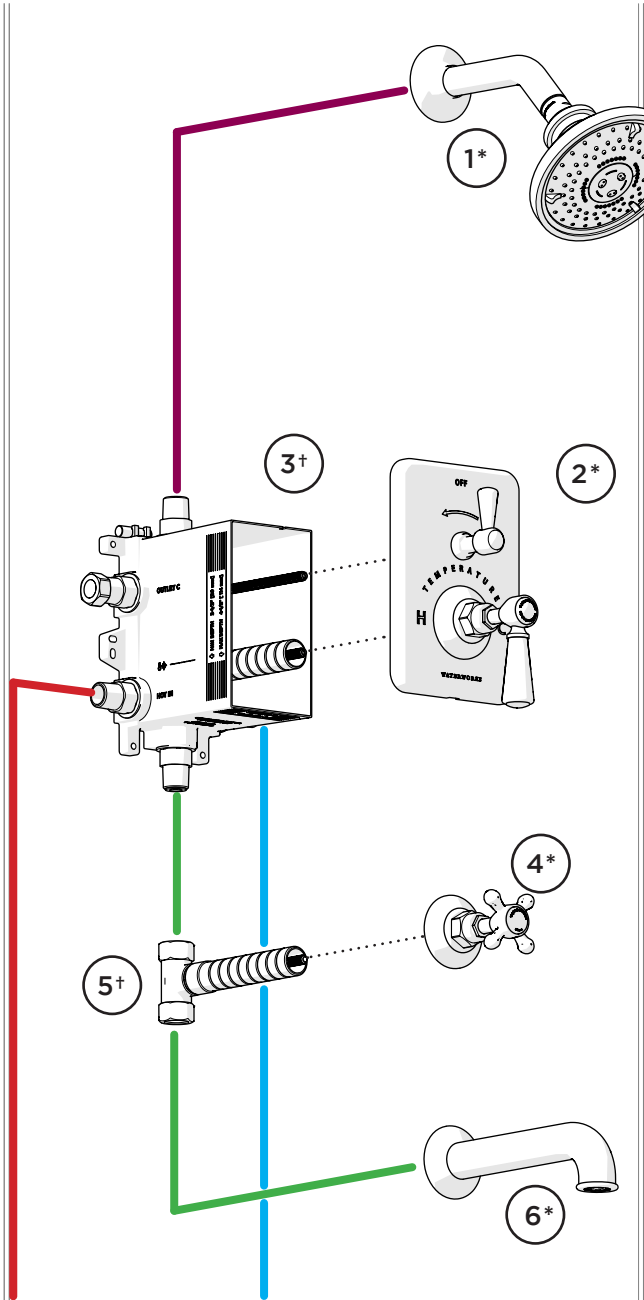
COLD WATER SUPPLY

HOT WATER SUPPLY

MIXED WATER FROM INTEGRATED VOLUME CONTROL VALVE

\* THE SHOWER COMPONENTS SHOWN ARE ONLY SUGGESTED AND CAN BE REPLACED WITH OTHER WATERWORKS SHOWER FITTINGS.

† THE REQUIRED VALVES WILL VARY DEPENDING ON THE SYSTEM OPERATION AND COLLECTION CHOSEN. REFER TO THE COMPATIBILITY CHART ON PAGE 3 FOR COMPLETE LIST OF VALVES.



DRAWING NOT TO SCALE - VALVES SHOWN ARE FOR DISPLAY ONLY

SYSTEM SHOWER COMPONENTS	SHOWER COMPONENT QTY	SYSTEM OPERATION (FITTINGS RUNNING SIMULTANEOUSLY)	CALIFORNIA COMPLIANT
SHOWERHEAD AND TUB SPOUT	2	2	NO

LIST OF COMPONENTS SHOWN:

1. WALL MOUNTED SHOWERHEAD
2. THERMOSTATIC WITH INTEGRATED VOLUME CONTROL TRIM
3. THERMOSTATIC WITH INTEGRATED VOLUME CONTROL VALVE
4. VOLUME CONTROL TRIM
5. VOLUME CONTROL VALVE
6. TUB SPOUT

INTEGRATED THERMOSTATIC VALVE OPTIONS†:

- GUTH46
- GUTH48
- GUTH61 [SHOWN]
- GUTH71

COLD WATER SUPPLY

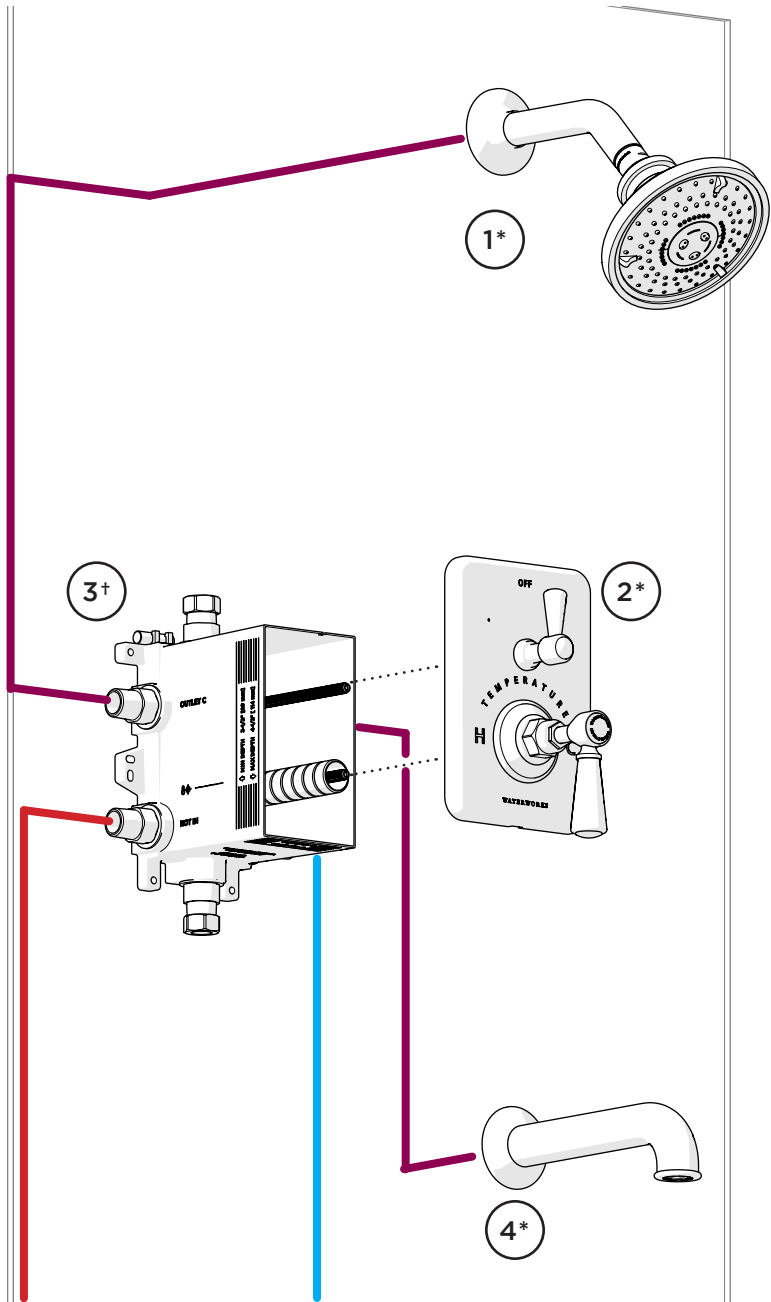
HOT WATER SUPPLY

MIXED WATER FROM INTEGRATED VOLUME CONTROL VALVE

MIXED WATER FROM BOTTOM OUTLET PORT OF THERMOSTATIC VALVE

\* THE SHOWER COMPONENTS SHOWN ARE ONLY SUGGESTED AND CAN BE REPLACED WITH OTHER WATERWORKS SHOWER FITTINGS.

† THE REQUIRED VALVES WILL VARY DEPENDING ON THE SYSTEM OPERATION AND COLLECTION CHOSEN. REFER TO THE COMPATIBILITY CHART ON PAGE 3 FOR COMPLETE LIST OF VALVES.



DRAWING NOT TO SCALE - VALVES SHOWN ARE FOR DISPLAY ONLY

SYSTEM SHOWER COMPONENTS	SHOWER COMPONENT QTY	SYSTEM OPERATION (FITTINGS RUNNING SIMULTANEOUSLY)	CALIFORNIA COMPLIANT
SHOWERHEAD AND TUB SPOUT	2	1	YES (AT 1.75 GPM)

LIST OF COMPONENTS SHOWN:

1. WALL MOUNTED SHOWERHEAD
2. THERMOSTATIC WITH INTEGRATED TWO WAY DIVERTER TRIM
3. THERMOSTATIC WITH INTEGRATED TWO WAY DIVERTER VALVE
4. TUB SPOUT

INTEGRATED THERMOSTATIC VALVE OPTIONS†:

- GUTH52
- GUTH62 [SHOWN]
- GUTH72

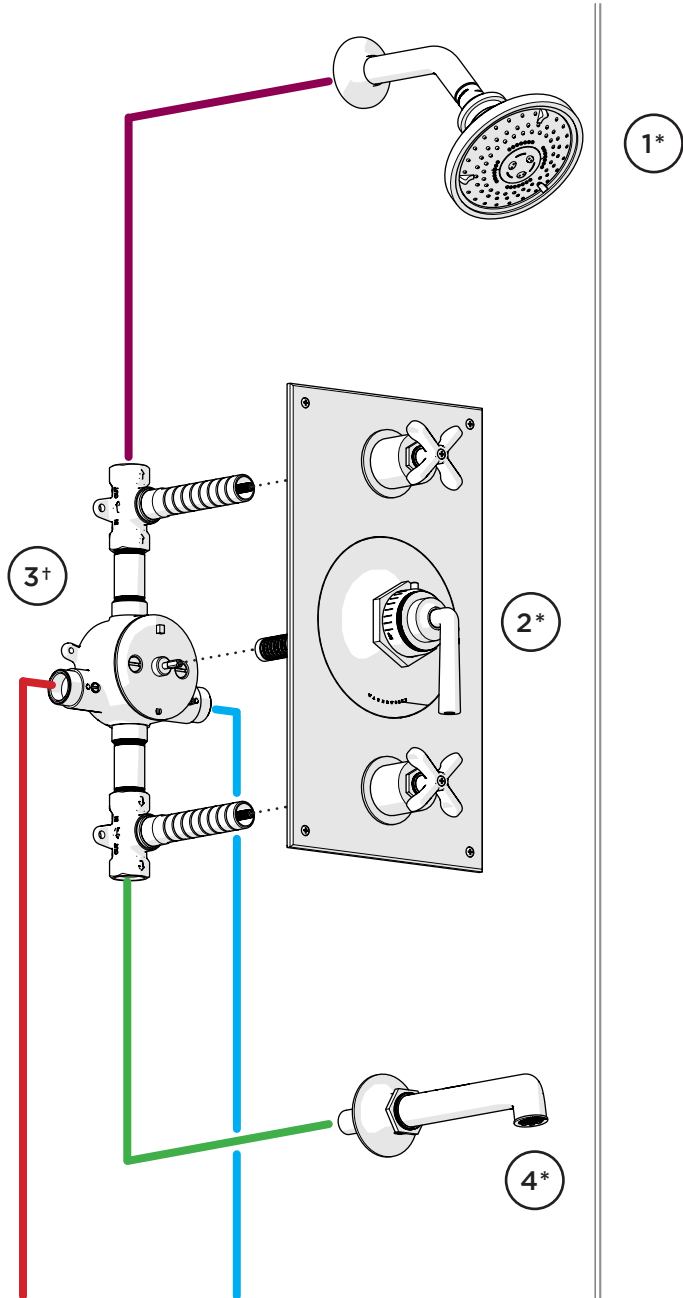
COLD WATER SUPPLY

HOT WATER SUPPLY

MIXED WATER FROM TWO WAY INTEGRATED DIVERTER VALVE

\* THE SHOWER COMPONENTS SHOWN ARE ONLY SUGGESTED AND CAN BE REPLACED WITH OTHER WATERWORKS SHOWER FITTINGS.

† THE REQUIRED VALVES WILL VARY DEPENDING ON THE SYSTEM OPERATION AND COLLECTION CHOSEN. REFER TO THE COMPATIBILITY CHART ON PAGE 3 FOR COMPLETE LIST OF VALVES.



SYSTEM SHOWER COMPONENTS	SHOWER COMPONENT QTY	SYSTEM OPERATION (FITTINGS RUNNING SIMULTANEOUSLY)	CALIFORNIA COMPLIANT
SHOWERHEAD AND TUB SPOUT	2	2	NO

LIST OF COMPONENTS SHOWN:

1. WALL MOUNTED SHOWERHEAD
2. THERMOSTATIC TRIM WITH INTEGRATED DUAL VOLUME CONTROLS
3. THERMOSTATIC VALVE WITH INTEGRATED DUAL VOLUME CONTROLS
4. TUB SPOUT

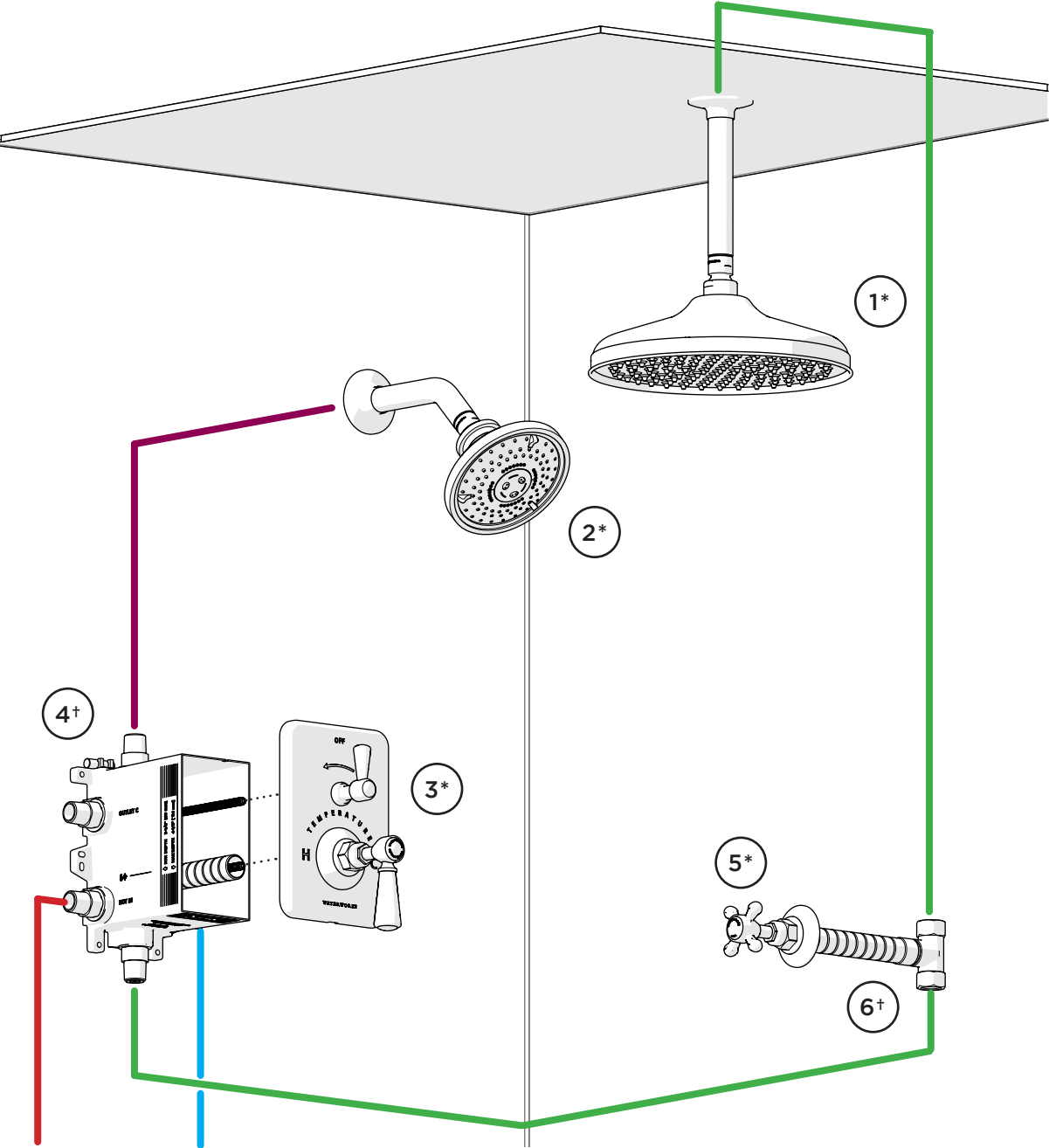
INTEGRATED THERMOSTATIC VALVE OPTIONS†:

- GUTH47 [SHOWN]

- COLD WATER SUPPLY
- HOT WATER SUPPLY
- MIXED WATER FROM TOP INTEGRATED VOLUME CONTROL VALVE
- MIXED WATER FROM BOTTOM INTEGRATED VOLUME CONTROL VALVE

\* THE SHOWER COMPONENTS SHOWN ARE ONLY SUGGESTED AND CAN BE REPLACED WITH OTHER WATERWORKS SHOWER FITTINGS.

† THE REQUIRED VALVES WILL VARY DEPENDING ON THE SYSTEM OPERATION AND COLLECTION CHOSEN. REFER TO THE COMPATIBILITY CHART ON PAGE 3 FOR COMPLETE LIST OF VALVES.



SYSTEM SHOWER COMPONENTS	SHOWER COMPONENT QTY	SYSTEM OPERATION (FITTINGS RUNNING SIMULTANEOUSLY)	CALIFORNIA COMPLIANT
2 SHOWERHEADS	2	2	NO

- LIST OF COMPONENTS SHOWN:**
1. CEILING MOUNTED SHOWERHEAD
  2. WALL MOUNTED SHOWERHEAD
  3. THERMOSTATIC WITH INTEGRATED VOLUME CONTROL TRIM
  4. THERMOSTATIC WITH INTEGRATED VOLUME CONTROL VALVE
  5. VOLUME CONTROL TRIM
  6. VOLUME CONTROL VALVE
- INTEGRATED THERMOSTATIC VALVE OPTIONS†:**
- GUTH46
  - GUTH48
  - GUTH61 [SHOWN]
  - GUTH71

COLD WATER SUPPLY

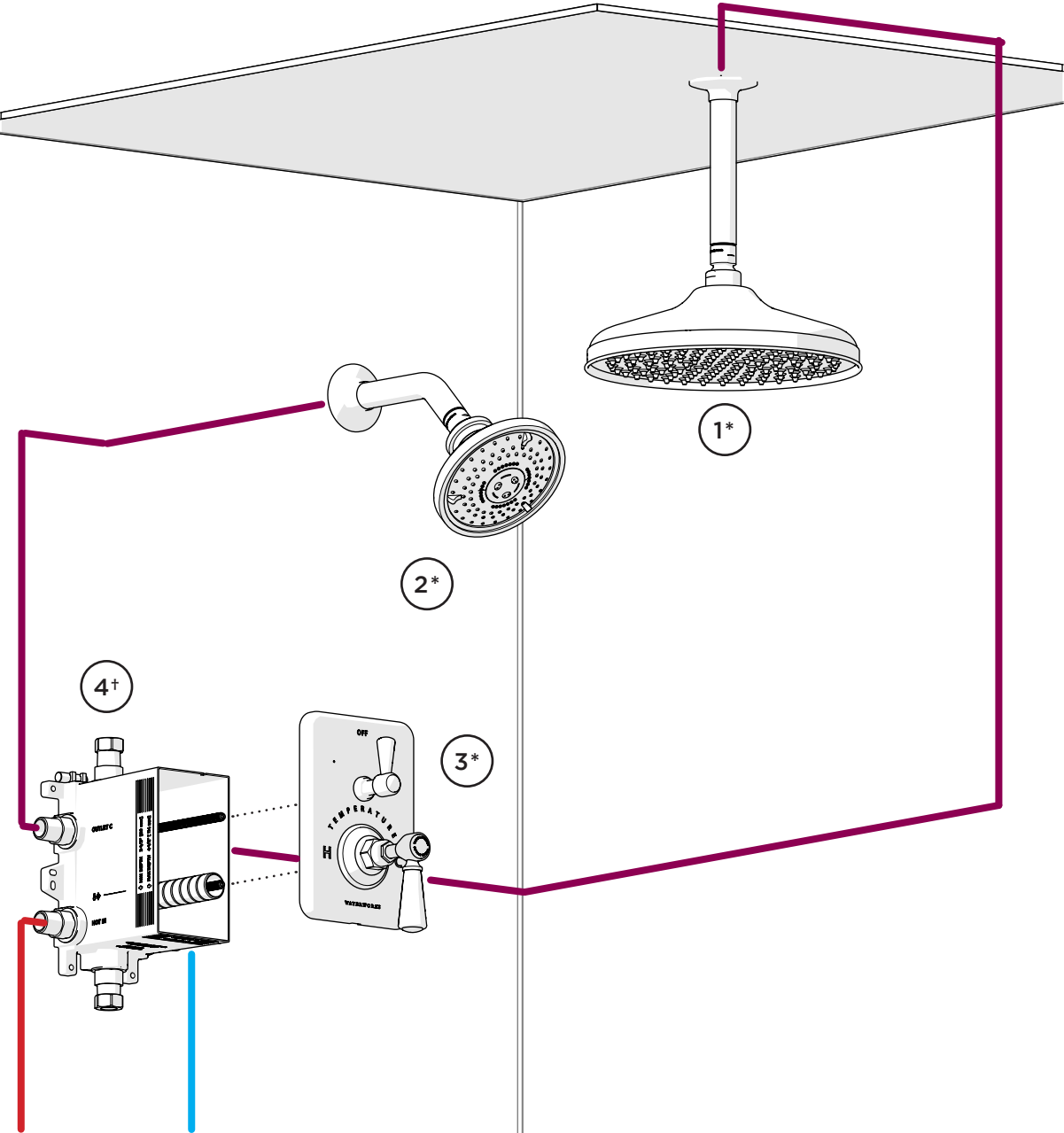
HOT WATER SUPPLY

MIXED WATER FROM INTEGRATED VOLUME CONTROL VALVE

MIXED WATER FROM BOTTOM OUTLET PORT OF THERMOSTATIC VALVE

\* THE SHOWER COMPONENTS SHOWN ARE ONLY SUGGESTED AND CAN BE REPLACED WITH OTHER WATERWORKS SHOWER FITTINGS.

† THE REQUIRED VALVES WILL VARY DEPENDING ON THE SYSTEM OPERATION AND COLLECTION CHOSEN. REFER TO THE **COMPATIBILITY CHART** ON PAGE 3 FOR COMPLETE LIST OF VALVES.



DRAWING NOT TO SCALE - VALVES SHOWN ARE FOR DISPLAY ONLY

SYSTEM SHOWER COMPONENTS	SHOWER COMPONENT QTY	SYSTEM OPERATION (FITTINGS RUNNING SIMULTANEOUSLY)	CALIFORNIA COMPLIANT
2 SHOWERHEADS	2	1	YES (AT 1.75 GPM)

LIST OF COMPONENTS SHOWN:

- 1. CEILING MOUNTED SHOWERHEAD
- 2. WALL MOUNTED SHOWERHEAD
- 3. THERMOSTATIC WITH INTEGRATED TWO WAY DIVERTER TRIM
- 4. THERMOSTATIC WITH INTEGRATED TWO WAY DIVERTER VALVE

INTEGRATED THERMOSTATIC VALVE OPTIONS†:

- GUTH52
- GUTH62 [SHOWN]
- GUTH72

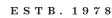
COLD WATER SUPPLY

HOT WATER SUPPLY

MIXED WATER FROM TWO WAY INTEGRATED DIVERTER VALVE

\* THE SHOWER COMPONENTS SHOWN ARE ONLY SUGGESTED AND CAN BE REPLACED WITH OTHER WATERWORKS SHOWER FITTINGS.

† THE REQUIRED VALVES WILL VARY DEPENDING ON THE SYSTEM OPERATION AND COLLECTION CHOSEN. REFER TO THE COMPATIBILITY CHART ON PAGE 3 FOR COMPLETE LIST OF VALVES.



The diagram illustrates the installation of a shower system. The components and their connections are as follows:

- 1\***: A showerhead connected to the main supply line.
- 2\***: A thermostatic mixing valve (TMV) with a temperature control knob and a pressure relief valve.
- 3†**: A shower valve assembly with a handle and a pressure relief valve.
- 4\***: A handheld shower wand connected to the main supply line.
- 5\***: A shower valve assembly with a handle and a pressure relief valve.
- 6†**: A shower valve assembly with a handle and a pressure relief valve.
- 7\***: A shower valve assembly with a handle and a pressure relief valve.

The connections are color-coded: red for hot water, blue for cold water, and green for the mixed water supply. The diagram shows the flow of water from the main supply lines through the various valves and showerheads.

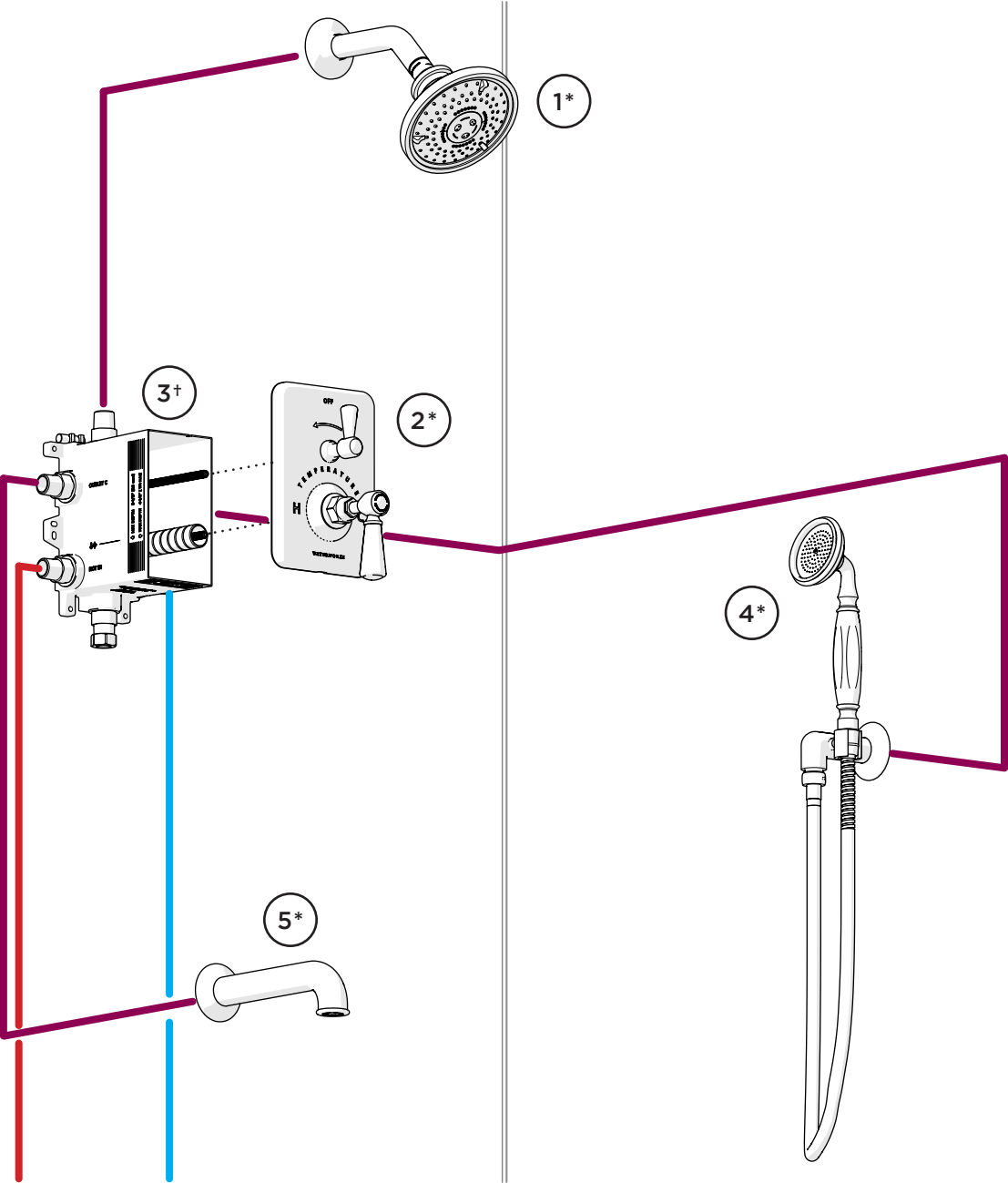
SYSTEM SHOWER COMPONENTS	SHOWER COMPONENT QTY	SYSTEM OPERATION (FITTINGS RUNNING SIMULTANEOUSLY)	CALIFORNIA COMPLIANT
SHOWERHEAD, HANDSHOWER, AND TUB SPOUT	3	2	NO

1. WALL MOUNTED SHOWERHEAD
2. THERMOSTATIC WITH INTEGRATED TWO WAY DIVERTER TRIM
3. THERMOSTATIC WITH INTEGRATED TWO WAY DIVERTER VALVE
4. HANDSHOWER
5. VOLUME CONTROL TRIM
6. VOLUME CONTROL VALVE
7. TUB SPOUT

- GUTH52
- GUTH62 [SHOWN]
- GUTH72

† THE REQUIRED VALVES WILL VARY DEPENDING ON THE SYSTEM OPERATION AND COLLECTION CHOSEN. REFER TO THE **COMPATIBILITY CHART** ON PAGE 3 FOR COMPLETE LIST OF VALVES.





DRAWING NOT TO SCALE - VALVES SHOWN ARE FOR DISPLAY ONLY

SYSTEM SHOWER COMPONENTS	SHOWER COMPONENT QTY	SYSTEM OPERATION (FITTINGS RUNNING SIMULTANEOUSLY)	CALIFORNIA COMPLIANT
SHOWERHEAD, HANDSHOWER, AND TUB SPOUT	3	1	YES (AT 1.75 GPM)

LIST OF COMPONENTS SHOWN:


- 1. WALL MOUNTED SHOWERHEAD
- 2. THERMOSTATIC WITH INTEGRATED THREE WAY DIVERTER TRIM
- 3. THERMOSTATIC WITH INTEGRATED THREE WAY DIVERTER VALVE
- 4. HANDSHOWER
- 5. TUB SPOUT

INTEGRATED THERMOSTATIC VALVE OPTIONS†:

- GUTH50
- GUTH63 [SHOWN]
- GUTH73



COLD WATER SUPPLY



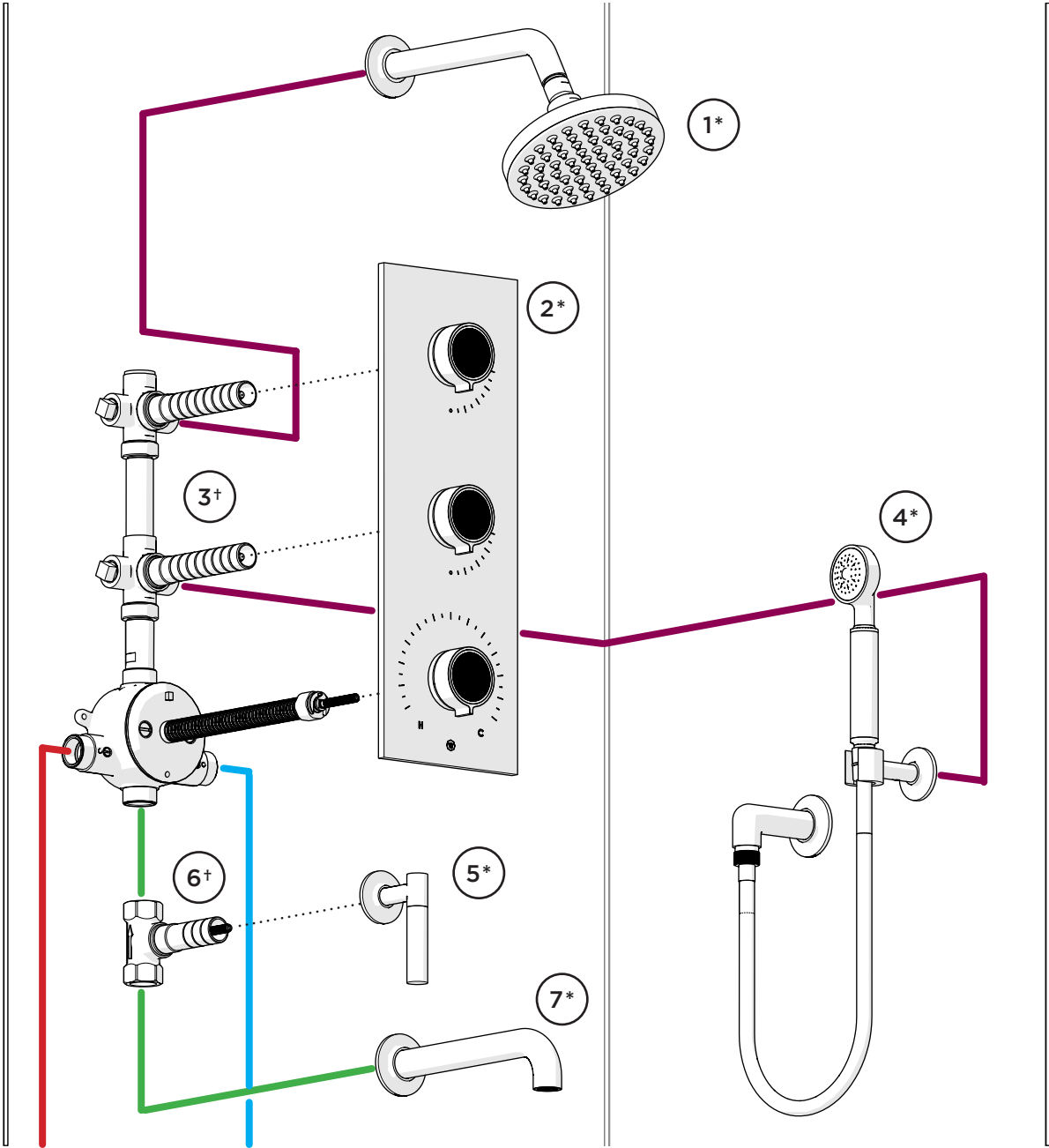
HOT WATER SUPPLY



MIXED WATER FROM THREE WAY INTEGRATED DIVERTER VALVE

\* THE SHOWER COMPONENTS SHOWN ARE ONLY SUGGESTED AND CAN BE REPLACED WITH OTHER WATERWORKS SHOWER FITTINGS.

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DRAWING NOT TO SCALE - VALVES SHOWN ARE FOR DISPLAY ONLY

SYSTEM SHOWER COMPONENTS	SHOWER COMPONENT QTY	SYSTEM OPERATION (FITTINGS RUNNING SIMULTANEOUSLY)	CALIFORNIA COMPLIANT
SHOWERHEAD, HANDSHOWER, AND TUB SPOUT	3	3	NO

LIST OF COMPONENTS SHOWN:

1. WALL MOUNTED SHOWERHEAD
2. THERMOSTATIC TRIM WITH INTEGRATED DUAL VOLUME CONTROLS
3. THERMOSTATIC VALVE WITH INTEGRATED BYPASS DUAL VOLUME CONTROLS
4. HANDSHOWER
5. VOLUME CONTROL TRIM
6. VOLUME CONTROL VALVE
7. TUB SPOUT

INTEGRATED THERMOSTATIC VALVE OPTIONS†:

- GUTH74 [SHOWN]

COLD WATER SUPPLY

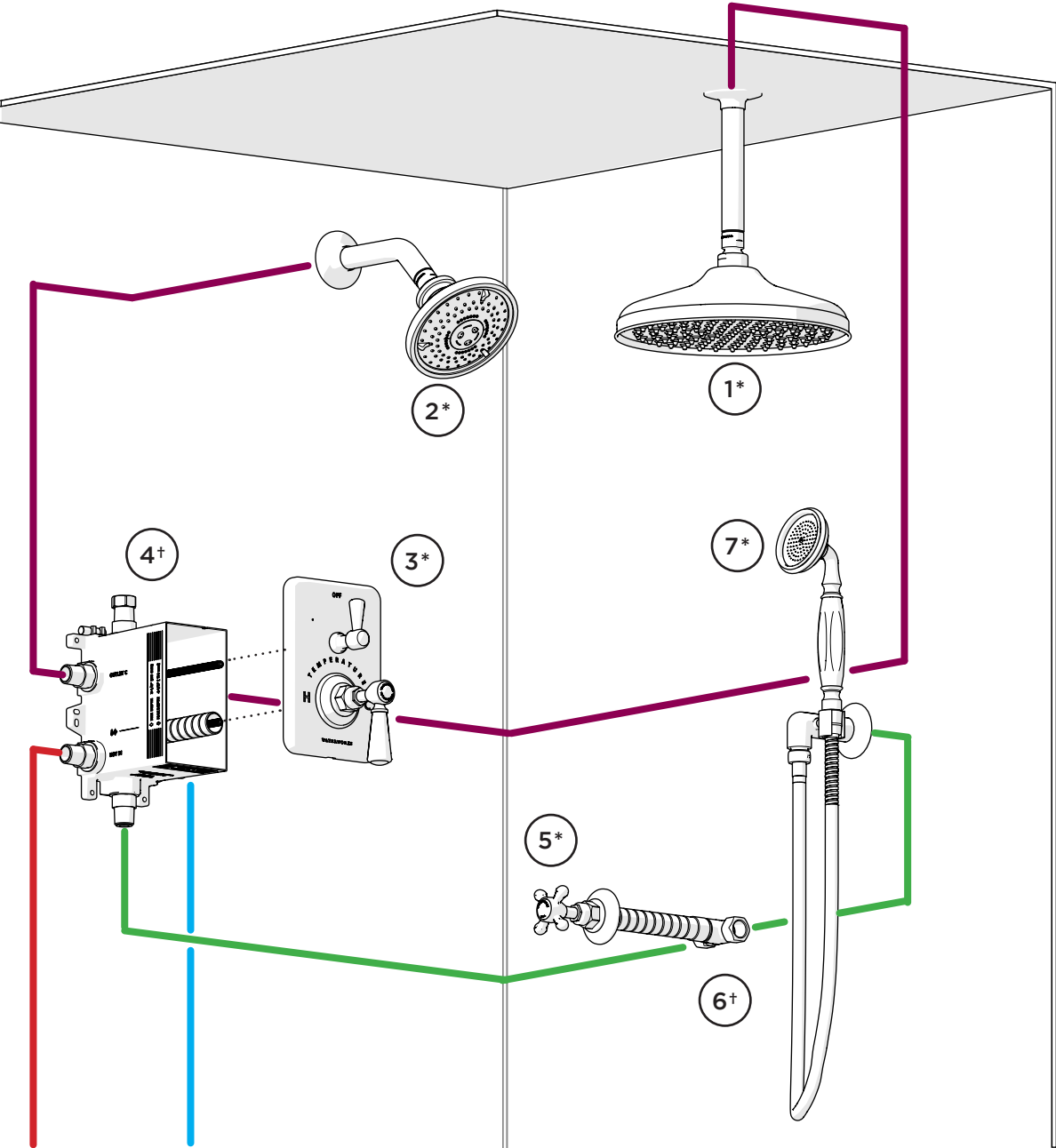
HOT WATER SUPPLY

MIXED WATER FROM INTEGRATED VOLUME CONTROL VALVE

MIXED WATER FROM BOTTOM OUTLET PORT OF THERMOSTATIC VALVE

\* THE SHOWER COMPONENTS SHOWN ARE ONLY SUGGESTED AND CAN BE REPLACED WITH OTHER WATERWORKS SHOWER FITTINGS.

† THE REQUIRED VALVES WILL VARY DEPENDING ON THE SYSTEM OPERATION AND COLLECTION CHOSEN. REFER TO THE COMPATIBILITY CHART ON PAGE 3 FOR COMPLETE LIST OF VALVES.



DRAWING NOT TO SCALE - VALVES SHOWN ARE FOR DISPLAY ONLY

SYSTEM SHOWER COMPONENTS	SHOWER COMPONENT QTY	SYSTEM OPERATION (FITTINGS RUNNING SIMULTANEOUSLY)	CALIFORNIA COMPLIANT
2 SHOWERHEADS AND HANDSHOWER	3	2	NO

LIST OF COMPONENTS SHOWN:

1. CEILING MOUNTED SHOWERHEAD
2. WALL MOUNTED SHOWERHEAD
3. THERMOSTATIC WITH INTEGRATED TWO WAY DIVERTER TRIM
4. THERMOSTATIC WITH INTEGRATED TWO WAY DIVERTER VALVE
5. VOLUME CONTROL TRIM
6. VOLUME CONTROL VALVE
7. HANDSHOWER

INTEGRATED THERMOSTATIC VALVE OPTIONS†:

- GUTH52
- GUTH62 [SHOWN]
- GUTH72

COLD WATER SUPPLY

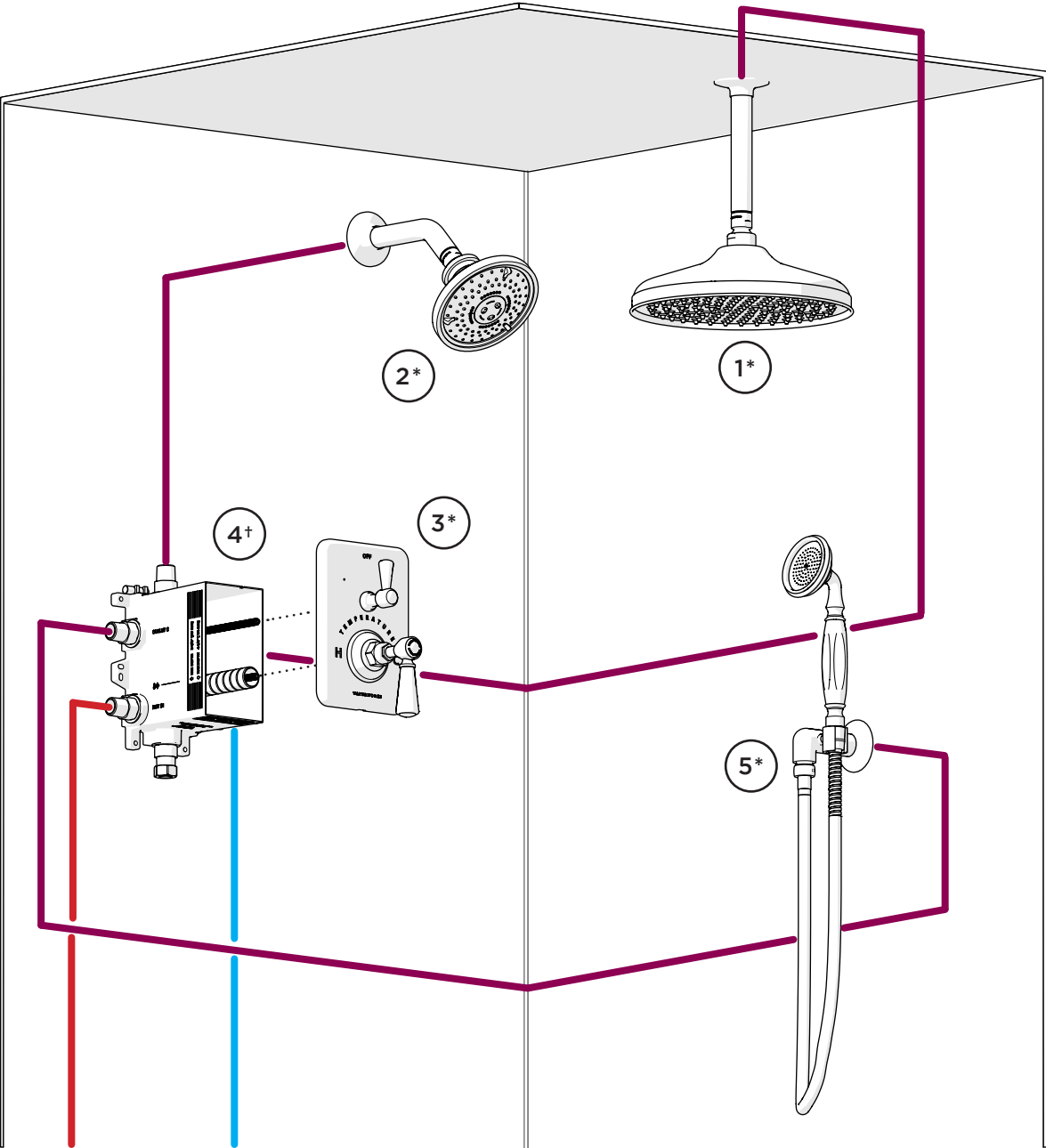
HOT WATER SUPPLY

MIXED WATER FROM TWO WAY INTEGRATED DIVERTER VALVE

MIXED WATER FROM BOTTOM OUTLET PORT OF THERMOSTATIC VALVE

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† THE REQUIRED VALVES WILL VARY DEPENDING ON THE SYSTEM OPERATION AND COLLECTION CHOSEN. REFER TO THE COMPATIBILITY CHART ON PAGE 3 FOR COMPLETE LIST OF VALVES.



SYSTEM SHOWER COMPONENTS	SHOWER COMPONENT QTY	SYSTEM OPERATION (FITTINGS RUNNING SIMULTANEOUSLY)	CALIFORNIA COMPLIANT
2 SHOWERHEADS AND HANDSHOWER	3	1	YES (AT 1.75 GPM)

- LIST OF COMPONENTS SHOWN:**
  - CEILING MOUNTED SHOWERHEAD
  - WALL MOUNTED SHOWERHEAD
  - THERMOSTATIC WITH INTEGRATED THREE WAY DIVERTER TRIM
  - THERMOSTATIC WITH INTEGRATED THREE WAY DIVERTER VALVE
  - HANDSHOWER
- INTEGRATED THERMOSTATIC VALVE OPTIONS†:**
  - GUTH50
  - GUTH63 [SHOWN]
  - GUTH73

COLD WATER SUPPLY

HOT WATER SUPPLY

MIXED WATER FROM THREE WAY INTEGRATED DIVERTER VALVE

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† THE REQUIRED VALVES WILL VARY DEPENDING ON THE SYSTEM OPERATION AND COLLECTION CHOSEN. REFER TO THE **COMPATIBILITY CHART** ON PAGE 3 FOR COMPLETE LIST OF VALVES.

SYSTEM SHOWER COMPONENTS	SHOWER COMPONENT QTY	SYSTEM OPERATION (FITTINGS RUNNING SIMULTANEOUSLY)	CALIFORNIA COMPLIANT
SHOWERHEAD AND SPRAY BAR	2	2	NO

LIST OF COMPONENTS SHOWN:

1. WALL MOUNTED SHOWERHEAD
2. THERMOSTATIC WITH INTEGRATED VOLUME CONTROL TRIM
3. THERMOSTATIC WITH INTEGRATED VOLUME CONTROL VALVE
4. VOLUME CONTROL TRIM
5. VOLUME CONTROL VALVE
6. SPRAY BAR

INTEGRATED THERMOSTATIC VALVE OPTIONS†:

- GUTH46
- GUTH48
- GUTH61 [SHOWN]
- GUTH71

COLD WATER SUPPLY

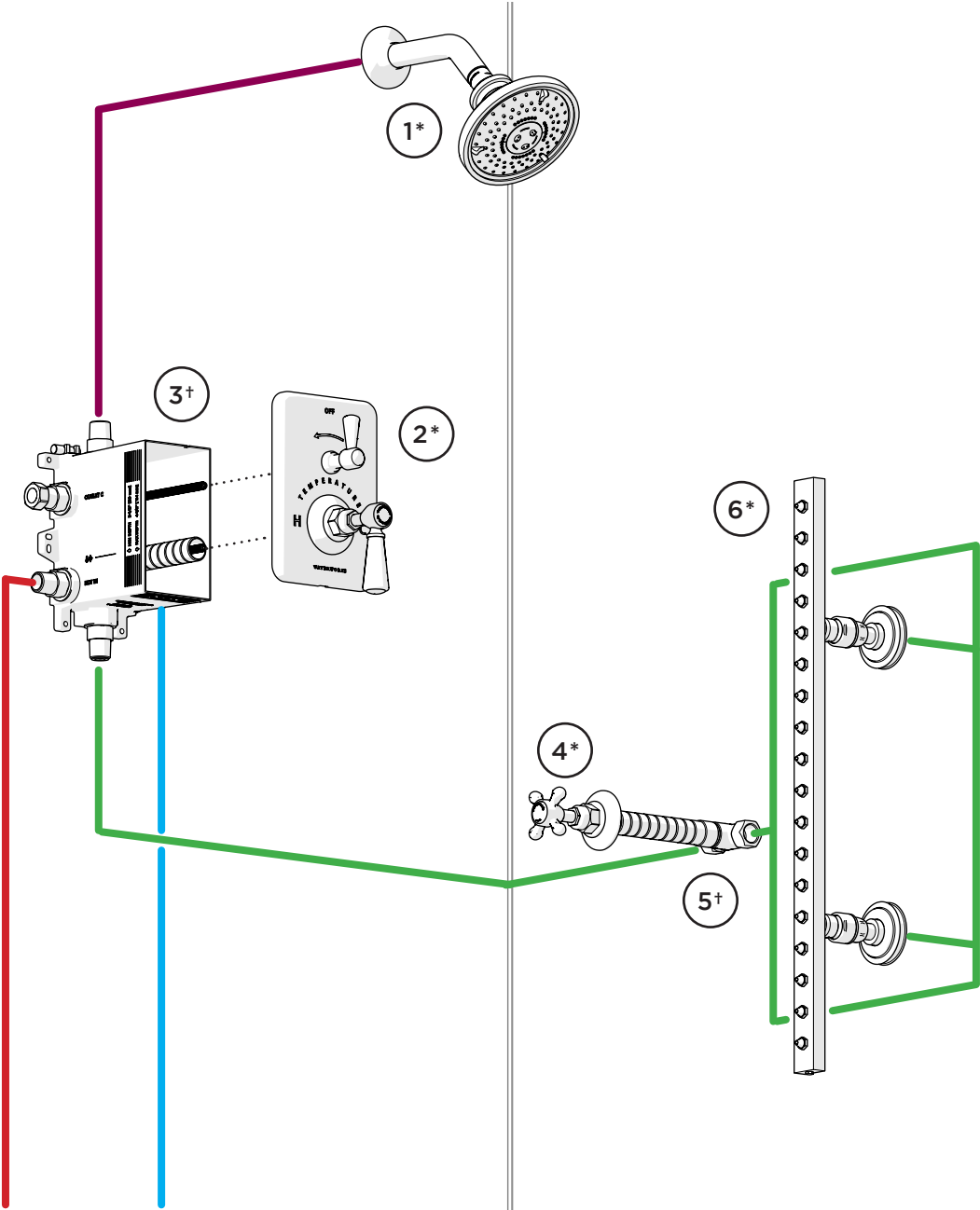
HOT WATER SUPPLY

MIXED WATER FROM INTEGRATED VOLUME CONTROL VALVE

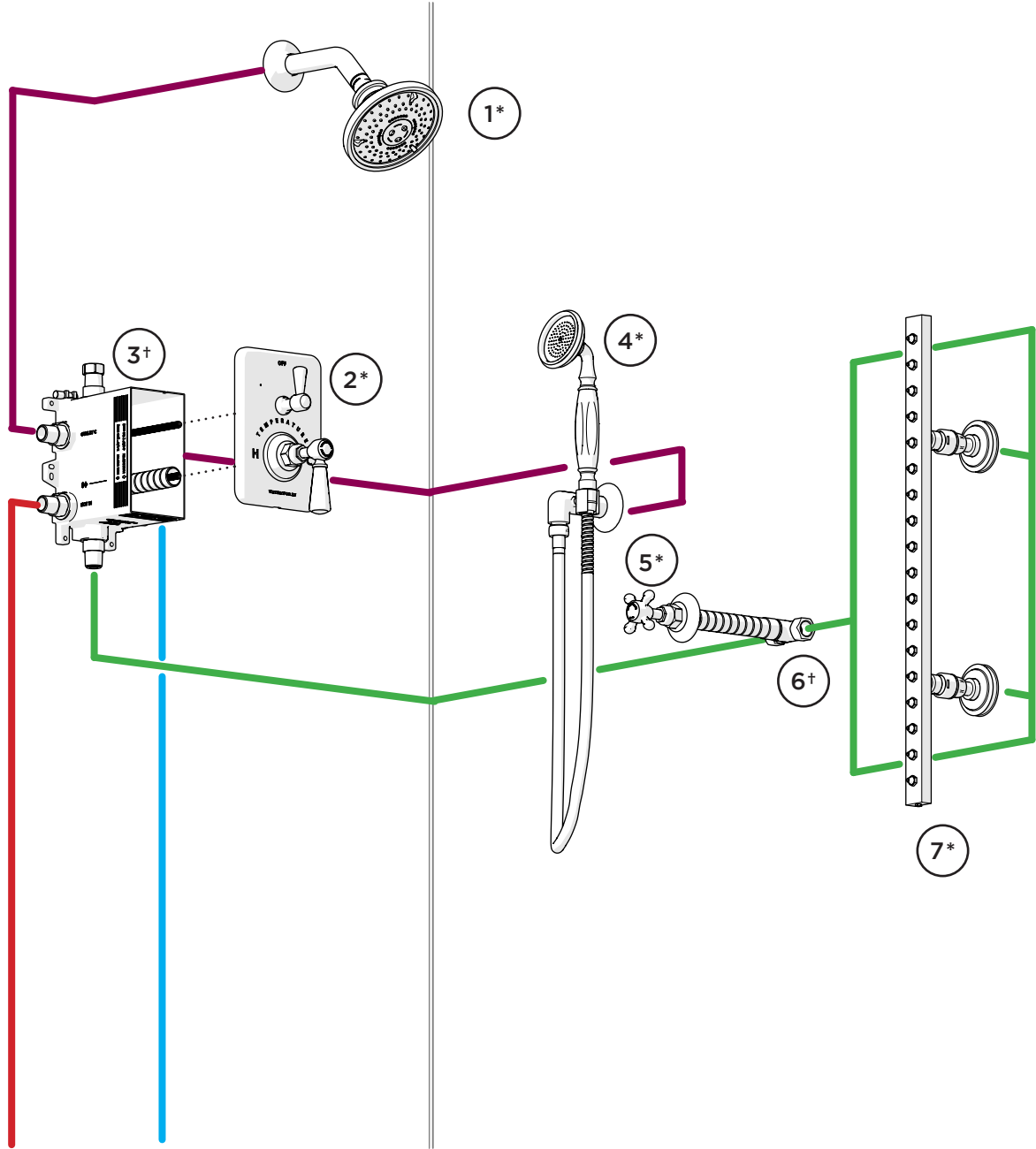
MIXED WATER FROM BOTTOM OUTLET PORT OF THERMOSTATIC VALVE

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DRAWING NOT TO SCALE - VALVES SHOWN ARE FOR DISPLAY ONLY



DRAWING NOT TO SCALE - VALVES SHOWN ARE FOR DISPLAY ONLY

SYSTEM SHOWER COMPONENTS	SHOWER COMPONENT QTY	SYSTEM OPERATION (FITTINGS RUNNING SIMULTANEOUSLY)	CALIFORNIA COMPLIANT
SHOWERHEAD, HANDSHOWER, AND SPRAY BAR	3	2	NO

LIST OF COMPONENTS SHOWN:

1. WALL MOUNTED SHOWERHEAD
2. THERMOSTATIC WITH INTEGRATED TWO WAY DIVERTER TRIM
3. THERMOSTATIC WITH INTEGRATED TWO WAY DIVERTER VALVE
4. HANDSHOWER
5. VOLUME CONTROL TRIM
6. VOLUME CONTROL VALVE
7. SPRAY BAR

INTEGRATED THERMOSTATIC VALVE OPTIONS†:

- GUTH52
- GUTH62 [SHOWN]
- GUTH72

COLD WATER SUPPLY

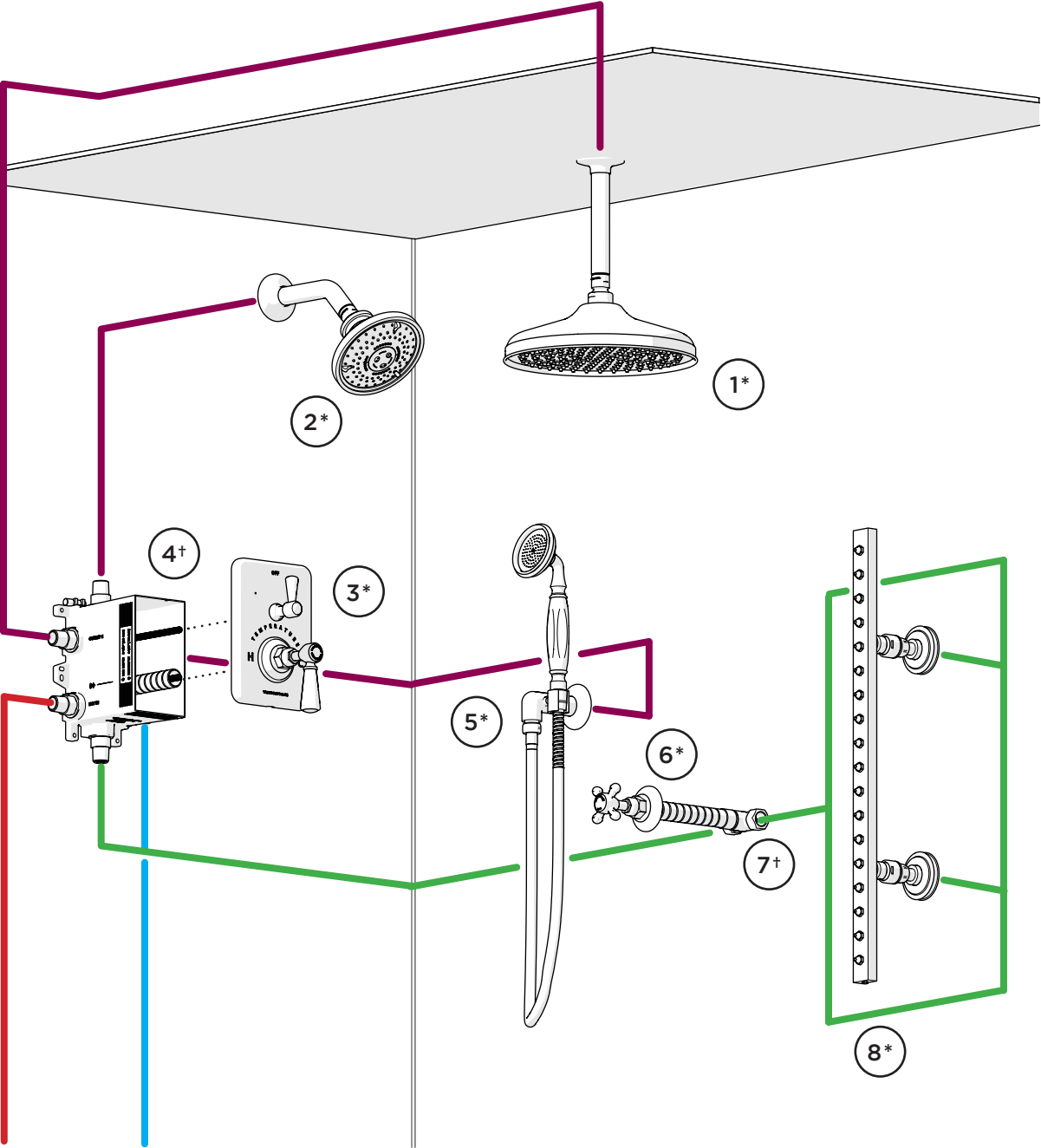
HOT WATER SUPPLY

MIXED WATER FROM TWO WAY INTEGRATED DIVERTER VALVE

MIXED WATER FROM BOTTOM OUTLET PORT OF THERMOSTATIC VALVE

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DRAWING NOT TO SCALE - VALVES SHOWN ARE FOR DISPLAY ONLY

SYSTEM SHOWER COMPONENTS	SHOWER COMPONENT QTY	SYSTEM OPERATION (FITTINGS RUNNING SIMULTANEOUSLY)	CALIFORNIA COMPLIANT
2 SHOWERHEADS, HANDSHOWER AND SPRAY BAR	4	2	NO

LIST OF COMPONENTS SHOWN:

- 1. CEILING MOUNTED SHOWERHEAD
- 2. WALL MOUNTED SHOWERHEAD
- 3. THERMOSTATIC WITH INTEGRATED THREE WAY DIVERTER TRIM
- 4. THERMOSTATIC WITH INTEGRATED THREE WAY DIVERTER VALVE
- 5. HANDSHOWER
- 6. VOLUME CONTROL TRIM
- 7. VOLUME CONTROL VALVE
- 8. SPRAY BAR

INTEGRATED THERMOSTATIC VALVE OPTIONS†:

- GUTH50
- GUTH63 [SHOWN]
- GUTH73

COLD WATER SUPPLY

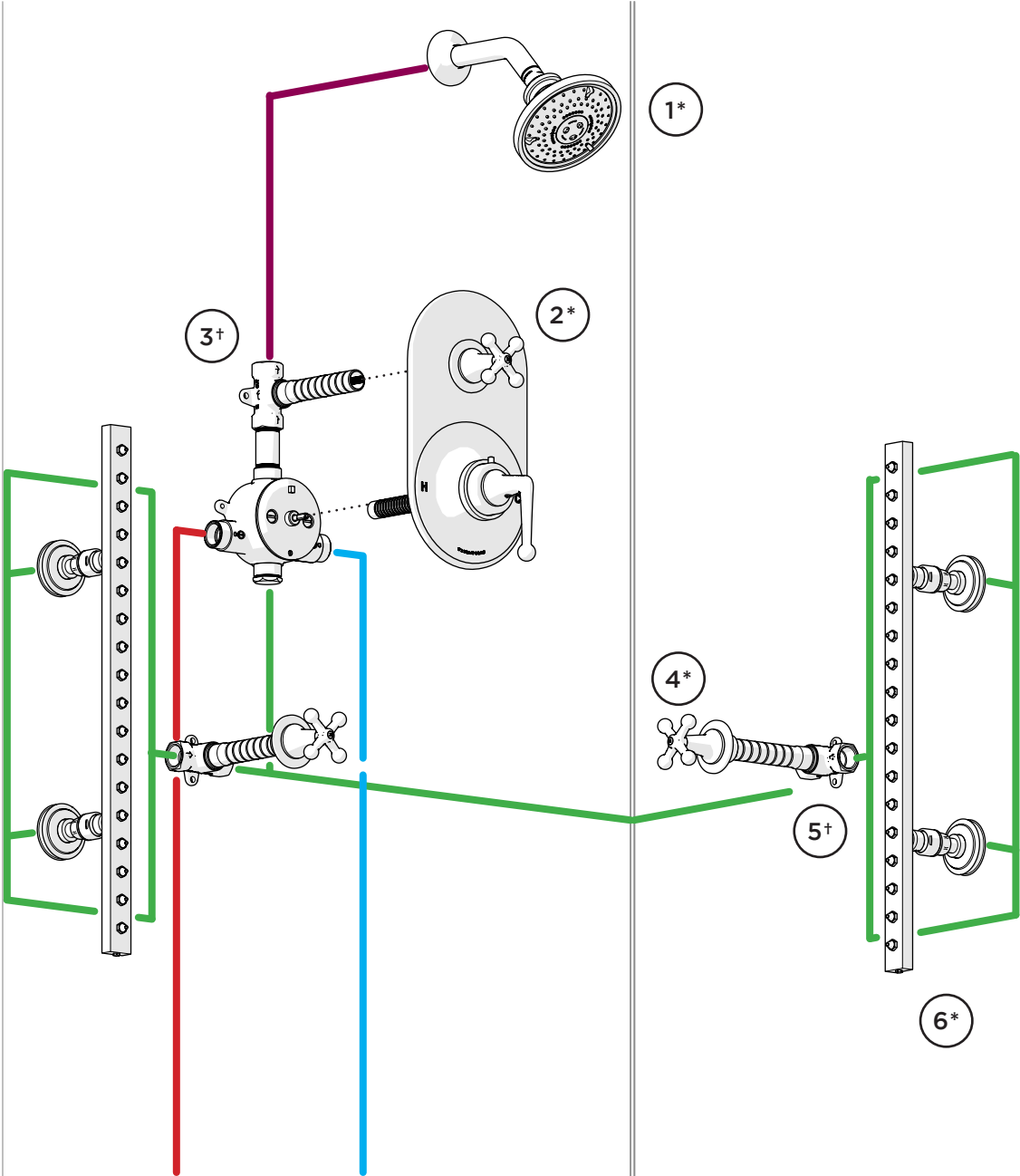
HOT WATER SUPPLY

MIXED WATER FROM THREE WAY INTEGRATED DIVERTER VALVE

MIXED WATER FROM BOTTOM OUTLET PORT OF THERMOSTATIC VALVE

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DRAWING NOT TO SCALE - VALVES SHOWN ARE FOR DISPLAY ONLY

SYSTEM SHOWER COMPONENTS	SHOWER COMPONENT QTY	SYSTEM OPERATION (FITTINGS RUNNING SIMULTANEOUSLY)	CALIFORNIA COMPLIANT
SHOWERHEAD, AND 2 SPRAY BARS	3	3	NO

LIST OF COMPONENTS SHOWN:

1. WALL MOUNTED SHOWERHEAD
2. THERMOSTATIC WITH INTEGRATED VOLUME CONTROL TRIM
3. THERMOSTATIC WITH INTEGRATED VOLUME CONTROL VALVE
4. VOLUME CONTROL TRIM (x2)
5. VOLUME CONTROL VALVE (x2)
6. SPRAY BAR (x2)

INTEGRATED THERMOSTATIC VALVE OPTIONS†:

- GUTH46
- GUTH48 [SHOWN]

COLD WATER SUPPLY

HOT WATER SUPPLY

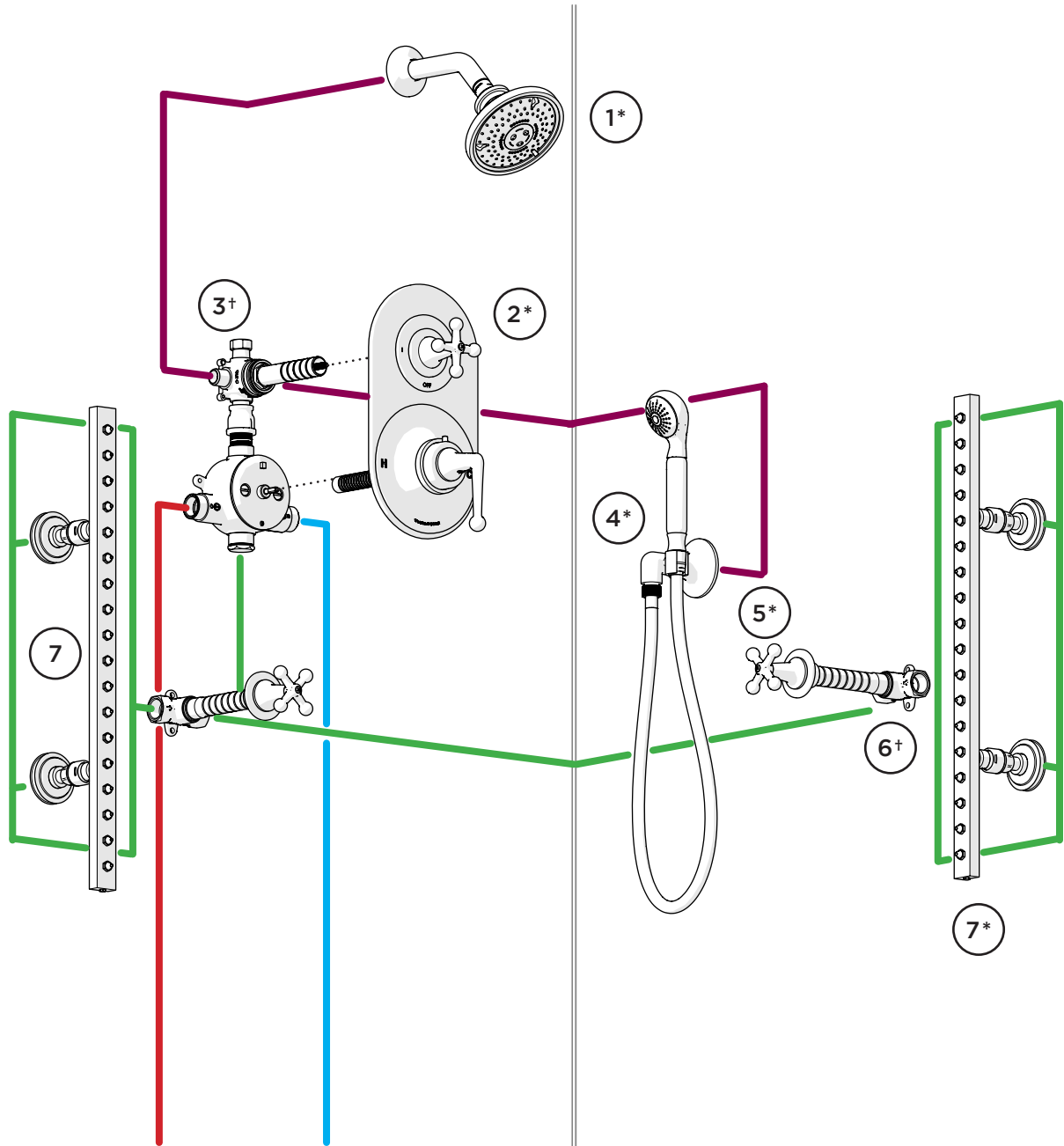
MIXED WATER FROM INTEGRATED VOLUME CONTROL VALVE

MIXED WATER FROM BOTTOM OUTLET PORT OF THERMOSTATIC VALVE

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DRAWING NOT TO SCALE - VALVES SHOWN ARE FOR DISPLAY ONLY

SYSTEM SHOWER COMPONENTS	SHOWER COMPONENT QTY	SYSTEM OPERATION (FITTINGS RUNNING SIMULTANEOUSLY)	CALIFORNIA COMPLIANT
SHOWERHEAD, HANDSHOWER, AND 2 SPRAY BARS	4	3	NO

LIST OF COMPONENTS SHOWN:

1. WALL MOUNTED SHOWERHEAD
2. THERMOSTATIC WITH INTEGRATED TWO WAY DIVERTER TRIM
3. THERMOSTATIC WITH INTEGRATED TWO WAY DIVERTER VALVE
4. HANDSHOWER
5. VOLUME CONTROL TRIM (x2)
6. VOLUME CONTROL VALVE (x2)
7. SPRAY BAR (x2)

INTEGRATED THERMOSTATIC VALVE OPTIONS†:

- GUTH52 [SHOWN]

COLD WATER SUPPLY

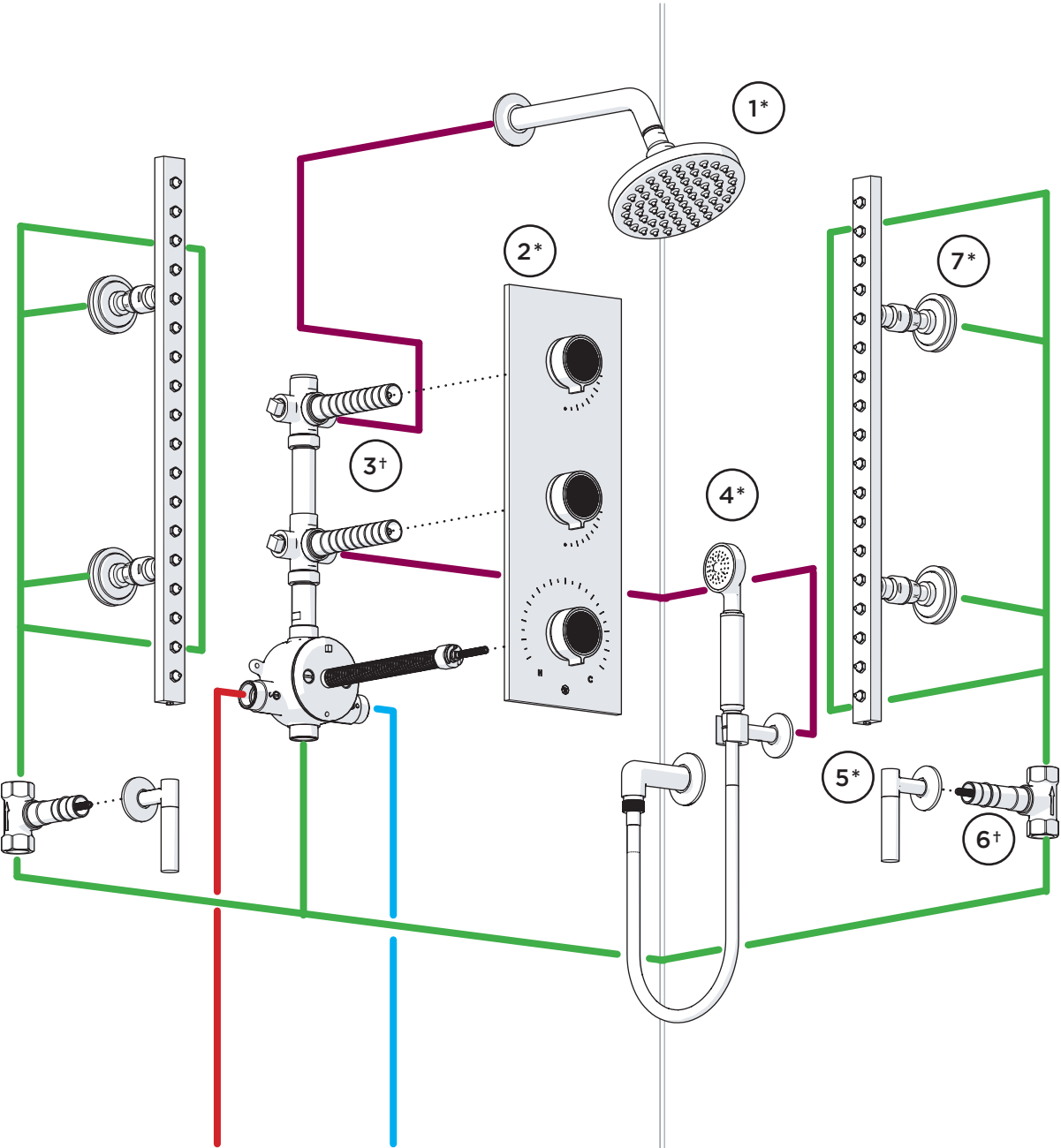
HOT WATER SUPPLY

MIXED WATER FROM TWO WAY INTEGRATED DIVERTER VALVE

MIXED WATER FROM BOTTOM OUTLET PORT OF THERMOSTATIC VALVE

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DRAWING NOT TO SCALE - VALVES SHOWN ARE FOR DISPLAY ONLY

SYSTEM SHOWER COMPONENTS	SHOWER COMPONENT QTY	SYSTEM OPERATION (FITTINGS RUNNING SIMULTANEOUSLY)	CALIFORNIA COMPLIANT
SHOWERHEAD, HANDSHOWER, AND 2 SPRAY BARS	4	4	NO

- LIST OF COMPONENTS SHOWN:**
- WALL MOUNTED SHOWERHEAD
  - THERMOSTATIC TRIM WITH INTEGRATED DUAL VOLUME CONTROLS
  - THERMOSTATIC VALVE WITH INTEGRATED BYPASS DUAL VOLUME CONTROLS
  - HANDSHOWER
  - VOLUME CONTROL TRIM (x2)
  - VOLUME CONTROL VALVE (x2)
  - SPRAY BAR (x2)
- INTEGRATED THERMOSTATIC VALVE OPTIONS†:**
- GUTH74 [SHOWN]

COLD WATER SUPPLY

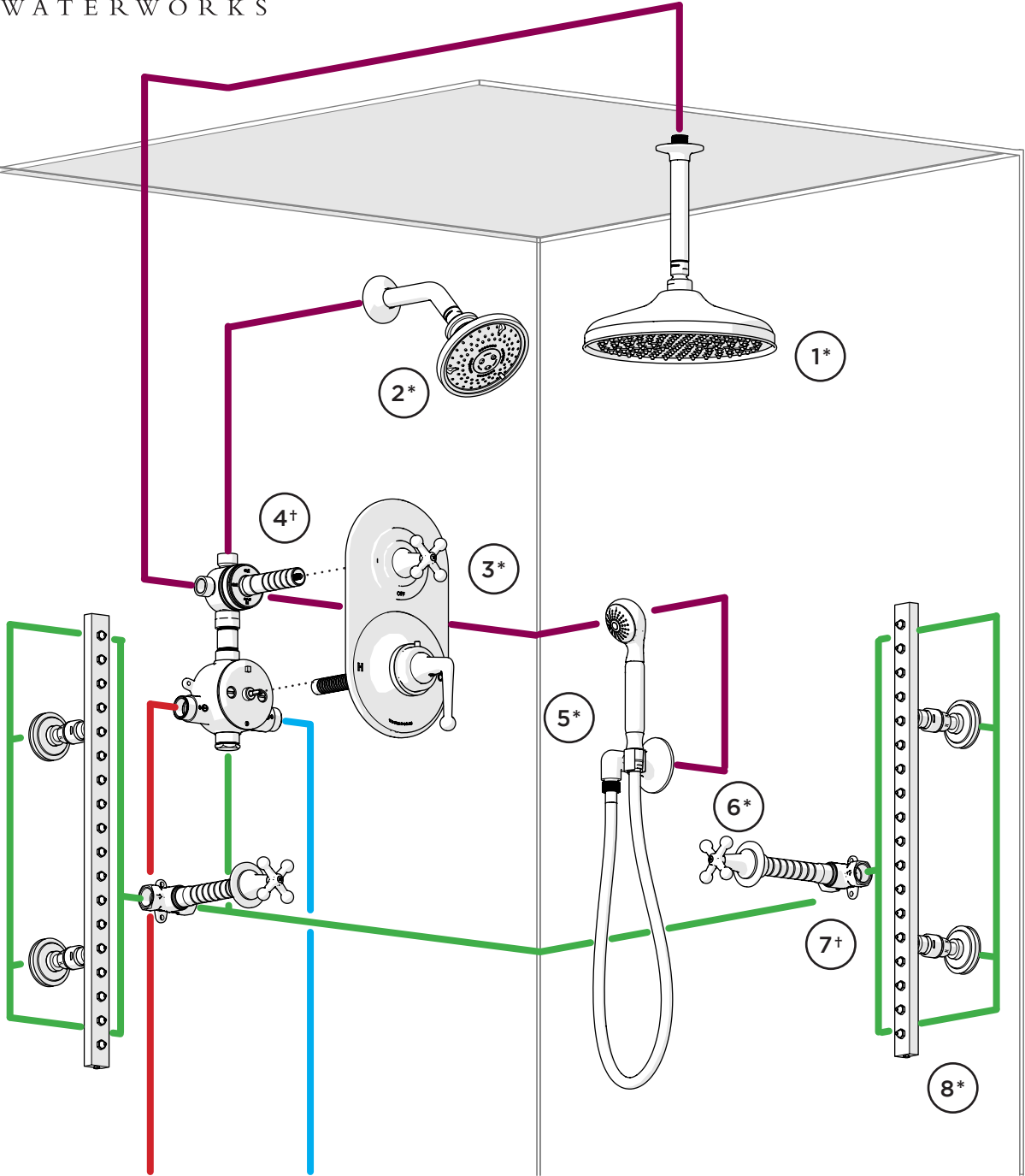
HOT WATER SUPPLY

MIXED WATER FROM INTEGRATED VOLUME CONTROL VALVE

MIXED WATER FROM BOTTOM OUTLET PORT OF THERMOSTATIC VALVE

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DRAWING NOT TO SCALE - VALVES SHOWN ARE FOR DISPLAY ONLY

SYSTEM SHOWER COMPONENTS	SHOWER COMPONENT QTY	SYSTEM OPERATION (FITTINGS RUNNING SIMULTANEOUSLY)	CALIFORNIA COMPLIANT
2 SHOWERHEADS, HANDSHOWER, AND 2 SPRAY BARS	5	3	NO

LIST OF COMPONENTS SHOWN:

1. CEILING MOUNTED SHOWERHEAD
2. WALL MOUNTED SHOWERHEAD
3. THERMOSTATIC WITH INTEGRATED THREE WAY DIVERTER TRIM
4. THERMOSTATIC WITH INTEGRATED THREE WAY DIVERTER VALVE
5. HANDSHOWER
6. VOLUME CONTROL TRIM (x2)
7. VOLUME CONTROL VALVE (x2)
8. SPRAY BAR (x2)

INTEGRATED THERMOSTATIC VALVE OPTIONS†:

- GUTH50 [SHOWN]

COLD WATER SUPPLY

HOT WATER SUPPLY

MIXED WATER FROM THREE WAY INTEGRATED DIVERTER VALVE

MIXED WATER FROM BOTTOM OUTLET PORT OF THERMOSTATIC VALVE

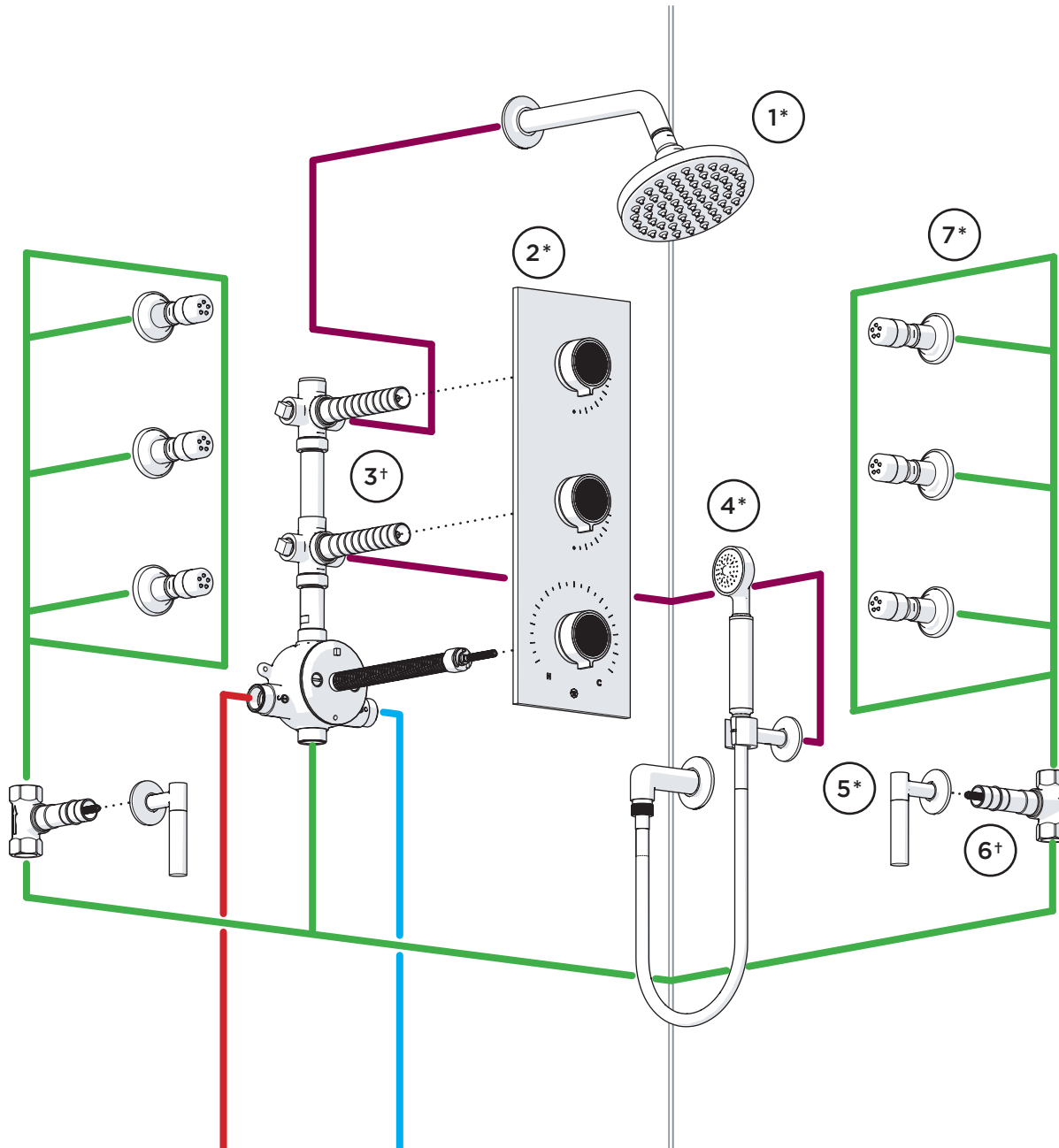
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ESTB. 1978

WATERWORKS



DRAWING NOT TO SCALE - VALVES SHOWN ARE FOR DISPLAY ONLY

SYSTEM SHOWER COMPONENTS	SHOWER COMPONENT QTY	SYSTEM OPERATION (FITTINGS RUNNING SIMULTANEOUSLY)	CALIFORNIA COMPLIANT
SHOWERHEAD, HANDSHOWER, AND 6 BODY SPRAYS	8	8	NO

#### LIST OF COMPONENTS SHOWN:

1. WALL MOUNTED SHOWERHEAD
2. THERMOSTATIC TRIM WITH INTEGRATED DUAL VOLUME CONTROLS
3. THERMOSTATIC VALVE WITH INTEGRATED BYPASS DUAL VOLUME CONTROLS
4. HANDSHOWER
5. VOLUME CONTROL TRIM (x2)
6. VOLUME CONTROL VALVE (x2)
7. BODY SPRAY (x6) @ 1.5gpm EACH

#### INTEGRATED THERMOSTATIC VALVE OPTIONS†:

- GUTH74 [SHOWN]

COLD WATER SUPPLY

HOT WATER SUPPLY

MIXED WATER FROM INTEGRATED VOLUME CONTROL VALVE

MIXED WATER FROM BOTTOM OUTLET PORT OF THERMOSTATIC VALVE

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