

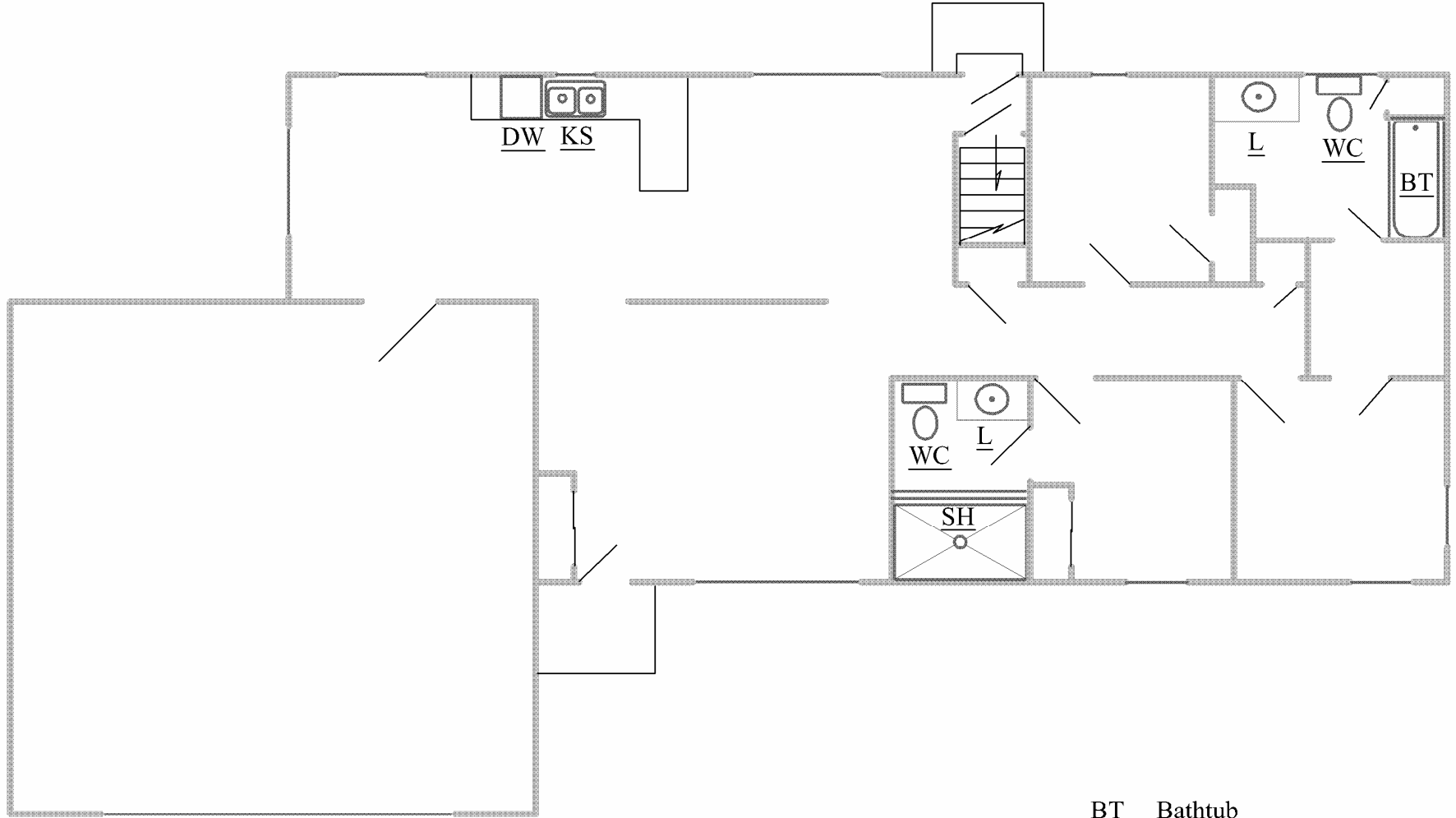
# Electronic Water Calc Exercise

Copyright © 2009, RsLogical  
All Rights Reserved

## INSTRUCTIONS

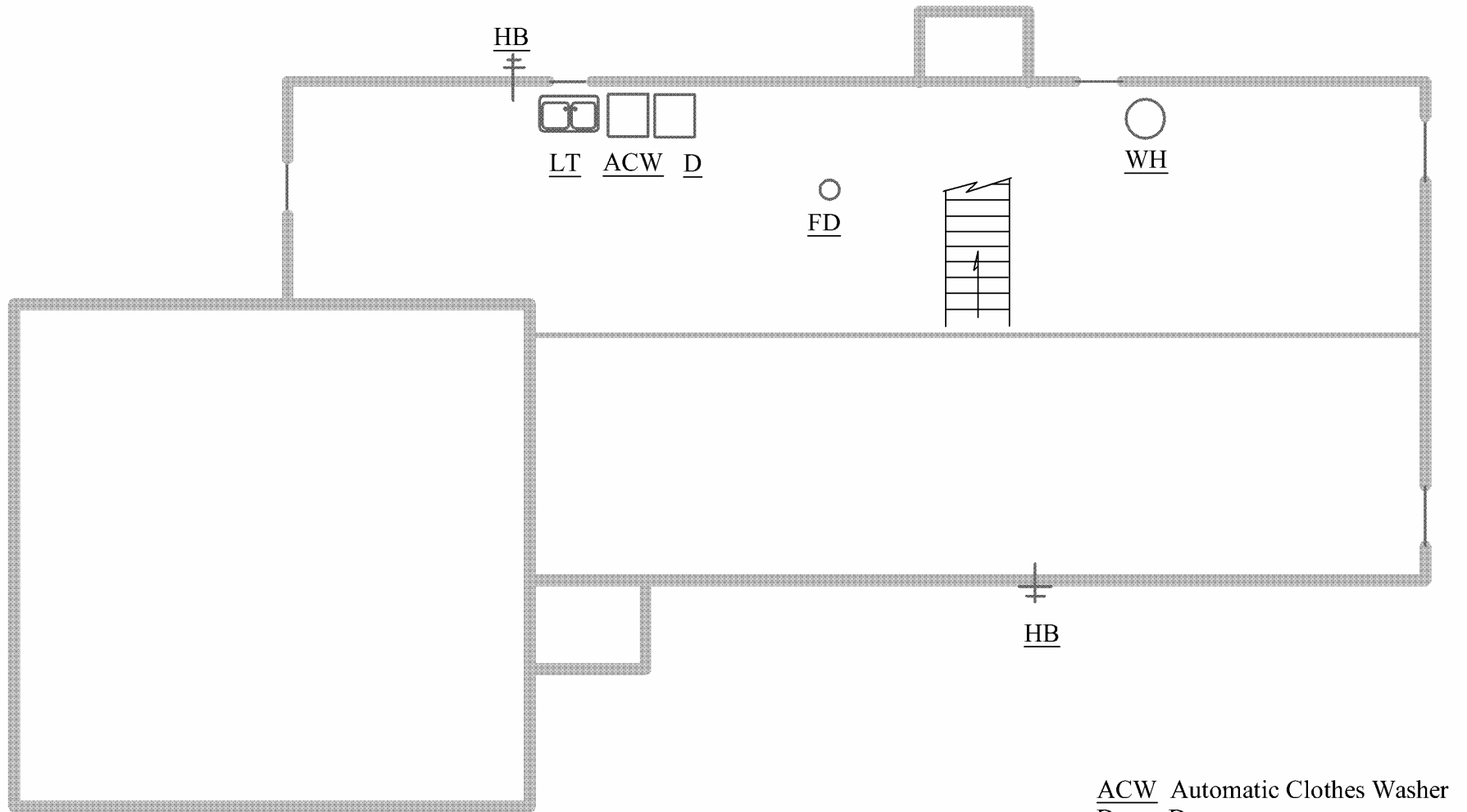
- View the First floor and basement plans and enter the fixture count in the respective box of the NON-PUBLIC USE FIXTURE list shown to the right.
- Log into your Electronic Water Calc course and before going to the quiz, view both part one and part two of the presentation available in the welcome screen.
- As you are watching and listening to the presentation you will hear the speaker announce the information you will need to complete the water calculations and size the distribution system on the last page of these instructions.
- If you miss a measurement or pressure, you may at any time return to the presentations and listen again for the information.
- When you hear the info, stop the presentation and write down the number in the relevant line on the last page.
- After all information is acquired, log into the calculator from our home page and fill in the information you were given in the presentations. Then click Submit the Calculations on the bottom of the page. When you see the Calc page you can use the back button on your browser to return and make a change if needed then re-submit.
- Print the Water Calculation page and use it to assign the sizes and SFU's at each of the tagged points in the isometric drawing on the last page of this document.
- When you have finished, log into your course and complete the quiz to receive CE credit.

	NON-PUBLIC USE FIXTURES	Supply Fixture Units		
Quantity	Fixtures	Hot	Cold	Total
<input type="text"/>	Automatic Clothes Washer	1.0	1.0	1.5
<input type="text"/>	Bar Sink	0.5	0.5	1.0
<input type="text"/>	Bathtub, with or without Shower Head	1.5	1.5	2.0
<input type="text"/>	Bidet	1.0	1.0	1.5
<input type="text"/>	Dishwashing Machine	1.0		1.0
<input type="text"/>	Glass Filler		0.5	0.5
<input type="text"/>	Hose Bibb 1/2" diameter		3.0	3.0
<input type="text"/>	Hose Bibb 3/4" diameter		4.0	4.0
<input type="text"/>	Kitchen Sink	1.0	1.0	1.5
<input type="text"/>	Laundry Tray 1 or 2 Compartment	1.0	1.0	1.5
<input type="text"/>	Lavatory	0.5	0.5	1.0
<input type="text"/>	Mobile Home		15	15
<input type="text"/>	Shower, Per Head	1.0	1.0	1.5
<input type="text"/>	Water Closet, Flushometer Type		6.0	6.0
<input type="text"/>	Water Closet, Gravity Type Flush Tank		2.0	2.0
<input type="text"/>	Bathtub, Lavatory and Water Closet Flushometer Type	2.0	7.5	8.0
<input type="text"/>	Bathtub, Lavatory and Water Closet Flush Tank Type	2.0	3.5	4.0
<input type="text"/>	Shower Stall, Lavatory and Water Closet Flushometer Type	1.5	7.0	7.5
<input type="text"/>	Shower Stall, Lavatory and Water Closet Flush Tank Type	1.5	3.0	3.5



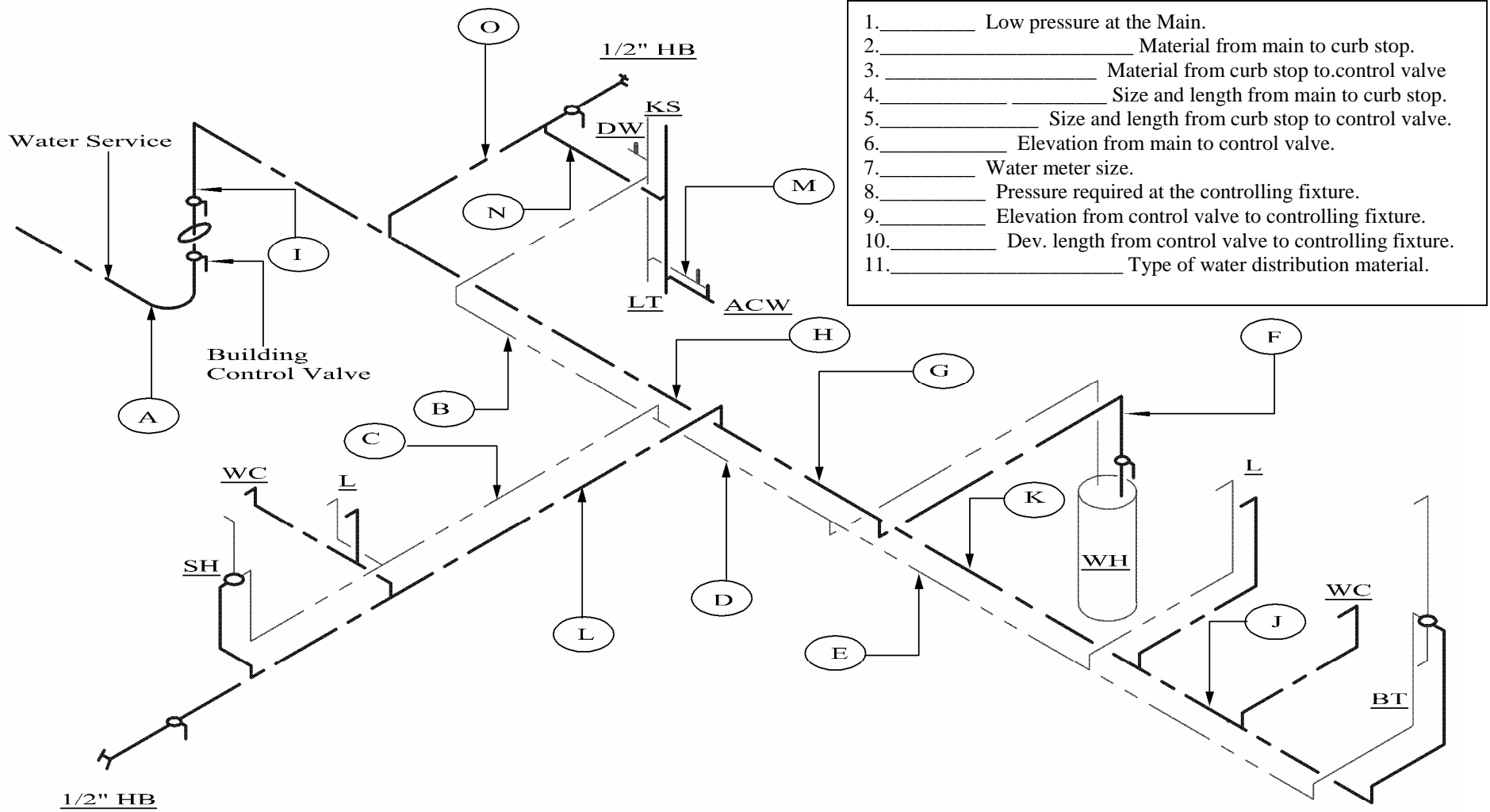
- BT Bathtub
- DW Dishwasher
- KS Kitchen Sink
- L Lavatory
- SH Shower
- WC Water Closet

First Floor Plan



- ACW Automatic Clothes Washer
- D Dryer
- FD Floor Drain
- HB 1/2" Hose Bibb
- LT Laundry Tray
- WH Water Heater

Basement Plan



1. \_\_\_\_\_ Low pressure at the Main.
2. \_\_\_\_\_ Material from main to curb stop.
3. \_\_\_\_\_ Material from curb stop to control valve.
4. \_\_\_\_\_ Size and length from main to curb stop.
5. \_\_\_\_\_ Size and length from curb stop to control valve.
6. \_\_\_\_\_ Elevation from main to control valve.
7. \_\_\_\_\_ Water meter size.
8. \_\_\_\_\_ Pressure required at the controlling fixture.
9. \_\_\_\_\_ Elevation from control valve to controlling fixture.
10. \_\_\_\_\_ Dev. length from control valve to controlling fixture.
11. \_\_\_\_\_ Type of water distribution material.

Hot -----  
 Cold -----

- ACW = Automatic Clothes Washer
- BT = Bathtub
- DW = Dishwasher
- KS = Kitchen Sink
- L = Lavatory
- LT = Laundry Tray
- SH = Shower
- WC = Water Closet
- WH = Water Heater
- 1/2" HB = Hose Bibb

Complete the water calculations in the Calculator and then list the SFU's and sizes at each of the tagged points in this isometric drawing. The quiz will be on these tagged points.