

CMGT 235 – Electrical and Mechanical Systems

Department of Construction Management ☼ California State University, Chico

Homework #12

Points: 25

Due: 10/12/2017

Name: _____

1. Using a green, pink, and blue highlighter complete the following for the drawing provide (2-Story House)
Step 1: Mains – highlight green
Step 2: Hot Water – highlight pink
Step 3: Cold Water – highlight blue
2. Determine the Total Building Load for the fixtures shown in the drawing provided. Assign WSFU to each fixture by placing a circle with the WSFU value next to each fixture. Use 2016 California Plumbing Code.

Complete each of the following tables:

Second Floor

Fixture	WSFU
2 - SHW	
2 – LAV	
2 – TUB	
2 – WC FT	
Total for Second Floor	

First Floor

Fixture	WSFU
1 - LAV	
1 –WC FT	
1 – KS	
1 – DW	
1 - HB	
Total for First Floor	

Basement Level

Fixture	WSFU
1 – CW	
1 – LS	
Total for Basement Level	

Total Building Load = _____

Total Demand in GPM = _____