**CMGT 235 – Electrical and Mechanical Systems**

Department of Construction Management 🏵 California State University, Chico

Homework #15– Plumbing Systems

Points: 20

Due: 10/8/2022

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Directions**

Bathroom Groups:

1. Determine the total DFU for the Bathrroms for the two-story house plan used for In Class Activity #3.
(a) As individual fixtures using Table 702.1 and
(b) as bathroom groups using Appendix C.

**Appendix C**

**TOTAL DFU = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**BG #2**

**BG #1**

**½ BG #1**

**BG #6**

**BG #5**

**BG #4**

**BG #3**

|  |  |  |
| --- | --- | --- |
| Fixture | # of Fix. | DFU |
| EACH | THIS JOB |
| MSTR BATH |
| WC | 1 |  |  |
| LAV | 2 |  |  |
| BT | 1 |  |  |
| SHW | 1 |  |  |
| WC | 1 |  |  |
| BIDET | 1 |  |  |
| B2 |
| WC | 1 |  |  |
| LAV | 1 |  |  |
| BT | 1 |  |  |
| B3 |
| WC | 1 |  |  |
| LAV | 1 |  |  |
| BT/SHW | 1 |  |  |
| B4 |
| WC | 1 |  |  |
| LAV | 1 |  |  |
| SHW | 1 |  |  |
| B5 |
| WC | 1 |  |  |
| LAV | 1 |  |  |
| BT/SHW | 1 |  |  |
| B6 |
| WC | 1 |  |  |
| LAV | 1 |  |  |
| SHW | 1 |  |  |
| PW |
| WC | 1 |  |  |
| LAV | 1 |  |  |
| TOTAL |  |  |

Continued on back

1. Size the Building Drain and Sewer

|  |  |  |
| --- | --- | --- |
| **Code** | **Size of Building Drain and Sewer** | **Slope** |
| Table 703.2 |  | ¼ inch per foot |
| Table C 304.2 |  | 1/8 inch per foot |
| Table C 304.2 |  | ¼ inch per foot |