CMGT 235 – Electrical and Mechanical Systems

Department of Construction Management 🏵 California State University, Chico

Homework #15-	Plumbing Systems
	Truinbing Systems

Points: 20

Due: 10/8/2022

Name: Solution

Directions

Bathroom Groups:

- 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.

DFU # of Appendix C Fixture Fix. EACH THIS JOB MSTR BATH WC 1 3.0 3.0 LAV 2 1.0 2.0 BG #1 BG 1, 2, and 3 9.0 ΒT 1 2.0 2.0 SHW 2.0 SHW 1 2.0 2.0 WC 3.0 WC 1 3.0 3.0 BIDET 2.0 BIDET (1 ½") 1 2.0 2.0 B2 WC 1 3.0 3.0 LAV 1 1.0 1.0 BG #2 ΒT 1 2.0 2.0 B3 WC 1 3.0 3.0 -BG #3 LAV 1 1.0 1.0 BT/SHW 1 2.0 2.0 Β4 WC 1 3.0 3.0 LAV 1 1.0 1.0 BG #4 BG 4, 5, and 6 3.0 SHW 1 2.0 2.0 B5 WC 1 3.0 3.0 LAV 1 1.0 1.0 -BG #5 BT/SHW 1 2.0 2.0 B6 WC 3.0 3.0 1 LAV 1.0 1 1.0 -BG #6 ½ BG 0.5 SHW 1 2.0 2.0 PW WC 1 3.0 3.0 -½ BG LAV 1 1.0 1.0 TOTAL 48.0 19.5 TOTAL DFU = ____

Continued on back

SHOW ALL WORK FOR FULL CREDIT

2. Size the Building Drain and Sewer

Code	Size of Building Drain and Sewer	Slope
Table 703.2	4"	¼ inch per foot
Table C 304.2	3″	1/8 inch per foot
Table C 304.2	4"	¼ inch per foot