**CMGT 235 – Electrical and Mechanical Systems**

Department of Construction Management 🏵 California State University, Chico

Homework #13 – Plumbing Systems

Points: 20

Due: 10/6/2022

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

**Use the 2016 CPC – Table 702.1**

1. Calculate the Total DFUs for the home used in homework #10. The home uses the city’s sewer line.

|  |  |  |  |
| --- | --- | --- | --- |
| Fixture | Number of Fixtures | DFU | Total (DFU) |
| Water Closet | 5 |  |  |
| LAV | 7 |  |  |
| Tub/Shower | 3 |  |  |
| Tub | 1 |  |  |
| Shower | 1 |  |  |
| Kitchen Sink | 1 |  |  |
| Dishwasher | 2 |  |  |
| Laundry Machine | 1 |  |  |
| Laundry Sink | 1 |  |  |
| Total |  |

1. Complete the Table shown:

|  |  |
| --- | --- |
| Fixture | Minimum Size Trap and Trap Arm (Inches) |
| Water Closet |  |
| LAV |  |
| Tub/Shower |  |
| Tub |  |
| Shower |  |
| Kitchen Sink |  |
| Dishwasher |  |
| Laundry Machine |  |
| Laundry Sink |  |

1. Using the isometric paper provided sketch the isometric drawing for the piping diagram shown from the south elevation.

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