Information from Construction Documents Part 3

Mechanical

1. Give the abbreviations for chilled water supply and chilled water return.

   CS-chilled water supply   CR-Chilled water return

MCSI CS cus heating water supply is HS and bowers said so

2. What is the symbol used to represent a supply diffuser, grille, or register? What is the symbol for a return?

   Supply air diffuser, MCS1, in legend

3. Give the total CFM value for the largest air handling unit listed on the schedules sheet.

   a. CFM → 26,600 (M801), packaged roof top unit schedule (south building)

4. What is the entering air temperature (EAT) and leaving air temperature (LAT) for the unit from question number 3?

   M801

   a. EAT for cooling coil-78.4 DB, for Gas heat-52.6
   b. LAT for cooling coil-55.3 DB, for Gas heat- 80.0

5. Who is the given manufacturer and what is the model number for the unit from question number 3?

   M801

   Manufacturer- DAIKIN, Model- MPS070E

Electrical

6. What is the symbol used to represent a receptacle?
7. What letter is shown in the symbol for a junction box?

- J, ⚪
- ECS1

8. Find and list a room that has more than one light switch in it. (Hint: look for the “S” symbol.)

   Future (That is the name of the room) E201

9. List the given information for the type A lighting fixture/luminaire.

- 2x4 volumetric recessed led fixture with lumen maintenance system and 0-10V dimming ballast
- MVolt
- recessed in grid
- LED 3500K
- 47W
- Lithonia Lighting 2VTL4-48L-ADP-L835
- Sheet E001

10. What’s the total connected amps for the largest panel given within the electrical panel schedules?

    The total connected amps is not given on the panel schedule (E801)

**Plumbing**

11. What does the symbol for a gate valve look like?

-  
- PCSI

12. Give the tag, the manufacturer and model number for one of the water closets used in the building.

   Sheet: P-801

   Fixture: Tag: P-1; Manufacturer: ZURN; Model:Z5615-BWL
   Flush Valve: Tag: P-1; Manufacturer: Zurn; Model:Z6000AV-WS1-DF
13. What is the flow rate (GPM) of the largest hot water heater in the building? What does GPM stand for?
   - 460GPH ** It’s given in GPH, but in GPM it’s 27,600GPM
   - Gallons per minute
   - P801

14. What are the fixtures shown in the largest men’s restroom on the first floor of the building? List their type and their fixture tag.
   - Water Closet - ADA; Tag: P-1a; Manufacturer: ZURN; Model Fixture: Z5615-BWL; Model Faucet: Z6000AV-WS1-DF
   - Water Closet; Tag:P-1; Manufacturer: ZURN; Model Fixture: Z5615-BWL; Model Faucet: Z6000AV-WS1-DF
   - Urinal - ADA; Tag: P-2a; Manufacturer: ZURN; Model Fixture: Z5798.205.00
   - Urinal; Tag: P-2; Manufacturer: ZURN; Model Fixture: Z5798.205.00
   - Lavatory - ADA; Tag: P-3a; Manufacturer Fixture: DUPONT; Model Fixture: 810; Manufacturer Flush Valve: ZURN; Model Flush Valve: Z6915-XL
   - Lavatory; Tag:P-3; Manufacturer Fixture: DUPONT; Model Fixture: 810; Manufacturer Flush Valve: ZURN; Model Flush Valve: Z6915-XL

15. What type of fixture can you find in a janitor’s closet?
   - Sheet: P-501
   - Mop Sink Fixture- Tag: P-6; Manufacturer: FIAT; Model: TSBC1610
   - Mop Sink Faucet- Tag: P-6; Manufacturer: FIAT; Model: 830AA