

Homework #17

Points: 20

Due: 10/24/2019

Name: Answers

Refer to the Sprouts Farmers Market Greensboro, NC plans and specs and the reading assignments. For full credit, reference where you found each answer.

1. What type of fire alarm system device does the symbol represent and where is it installed?



Duct Smoke Detector, Return Duct
FA1.0 Fire Alarm Fixture Schedule

2. What type wiring system is used for the Fire Alarm system?

Class B
FA1.0 Fire Alarm Riser Diagram
Spec 16720 – 3, 2.2 A.

3. What make and model FACP does the project specify?

Bosch, Model FPB 7024
16720 – 3, 2.1 B. 1. Or FA1.0 Rise or Schedule

4. If a notification device is circuit is open, what is the fire alarm sequence of operations?

Trouble – Report to FACP – Signal Supervising Station
FA1.0

5. Where is the FAAP installed?

Vestibule #1 RM 121
FA2.0

6. What units are used to measure the outputs for a horn and strobe?

Horn - Decibel (db)
Strobe – Candela (cd)
Fire Detection and Alarm Systems Pgs. 644 - 645

7. List two locations where audible fire alarm notification appliances are inappropriate.
Elevators
Restrooms
Advanced Fire Training Manual, Pg 5-35
8. What NFPA Code specifies the Installation of Sprinkler Systems?
NFPA 13
Dis. 17 Class Handout
9. What Supervising Station agency is specified?
Guardian Home technologies
Spec 16720-3, 2.1 A.
10. Who is to provide the Waterflow Alarm and Gate Valve (Tamper) Switches?
Fire Sprinkler Installer
Spec 16720-5, 2.4 D & E
11. What is the specified sound rating for the exterior alarm bells?
80 db @ 10' - 0"
Spec 16720-5, 2.5 A.
12. What color must the strobes be?
White
Spec 16720-5, 2.5 C
13. Manual Station operating handles are to be mounted how high above floor, unless noted otherwise on the drawings?
Install manual station with operating handle 48" above floor unless noted otherwise on drawings.
Spec 16720-6, 3.2 I
14. What type of fire sprinkler finish must be provided in the finished areas?
Finished areas: white plated semi-recessed pendent type with matching escutcheons or chrome plated sidewall type with matching escutcheons.
Spec 15300-4 2.9 B. 1.
15. What type of pipe is specified for fire sprinkler system piping above grade?
Piping Above Grade: Black steel for all fire sprinkler system piping located inside the building, not exposed to the elements.
Spec 15300-5 3.1 B.