

Plan Review Summary

Building Information

Project Name:	Howey Physics of Living Systems Research Area	Floor/Room #:	N201, N202
Building #:	081	Department:	College of Sciences
Occupancy Type:	Business	Budget:	\$409,739
Construction Type:	IIB	Type of Review:	Fire Suppression

Project Management

Project Manager:	Ngugi Mathu
Architect/Engineer of Record:	Becky Williams
Construction Manager:	Mitchell Shelton
Aim Project Number:	0112-2019

Reviewer Information

Reviewer Name:	Jake LeJeune	Date Received:	8/30/2019
Disposition:	Declined	Date Completed:	9/5/2019

Status Statement

Note: Hydraulic Calculations and new light hazard fire sprinkler system

Review Comments:

1. Please define what an "interaction room" is; is it a lab?
2. Please indicate if there is a standpipe in the building and include the type, I, II, or III; also indicate how many risers are in the building? Each stairway? If the answer is yes, please provide the hose demand per NFPA 14 as 500gpm for a riser and 250gpm each additional riser not exceed 1000 gpm.
3. It appears there are 2 fire sprinkler heads in the corridor that are not in compliance with NFPA 13 in regards to spacing requirements.
4. Please provide a flow test done within 6 months.
5. Please provide an elevation plan that shows the height of the ceiling, branch lines and fire sprinkler heads.
6. The nodes on the hydraulic calculation sheets do not match the hydraulic reference nodes on the plan. Please revise so everything is consistent and correct.
7. Please provide manufacturer specifications of all equipment, including fire sprinkler heads, fittings, piping, valves, etc.

General Note:

1. Inspection requests: <http://www.ehs.gatech.edu/fire/inspection-request>
2. Hot Work Permit Request: http://www.ehs.gatech.edu/fire/permit-request/hot_work

Plan / Shop Drawings Required:

1. Fire Suppression
2. Fire Alarm

Inspections Required:

1. Fire Safety Office Project Kick-Off Meeting
2. Thrust Block Inspections
3. Underground Pressure Test
4. System Flush

5. Sprinkler Pipe Inspections
6. Rough-in
7. 50% Wall (Rated walls, doors, dampers, horizontal penetrations, etc.)
8. 80% Ceiling, Alarm, Sprinkler (vertical penetrations, junction boxes, lights tied at corners, sprinkler and fire alarm roughed in, etc.)
9. 100% Construction, Alarm Commissioning, Sprinkler Commissioning, Certificate of Occupancy (all work complete, commissioning of systems, close-out documents, etc.)

Permits Required:

1. Fire Suppression System
 2. Fire Alarm
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