Georgia Tech Environmental Health & Safety
Fire Safety

151 Sixth Street, Suite 341
Atlanta, Georgia 30332
404-894-FIRE (3473)

Plan Review Summary

Building Information

Project Name:	Microbiome Research Neighborhood/Ratcliff Lab Fit-Up	Floor/Room #:	2nd & 3rd Floor/201, 201A, 201B, 328, 330, 332, 336
Building #:	066	Department:	College of Sciences
Occupancy Type:	Business	Budget:	$799,588
Construction Type:	IIB	Type of Review:	Construction

Project Management

Project Manager:	Ngugi Mathu
Architect/Engineer of Record:	Flad-AHA
Construction Manager:	Fenella Bryant
Aim Project Number:	0452-2018

Reviewer Information

Reviewer Name:	Jake LeJeune	Date Received:	12/5/2018
Disposition:	Declined	Date Completed:	12/18/2018

Status Statement

Note: Lab Build-out; Class C

Review Comments:

1. Sheet GL-00: Level 3 New occupant load plan indicates an occupant load of 3, however 9 chairs exists; occupant load of 10 should remain and not round up to 11. Level 3 existing occupant load plan should be 10 not 11. Level 2 new occupant load should be 46 not 47; Level 2 existing occupant load plan should be 17 not 18.
2. Ethanol should be in a 1 pt. glass container or different container type, not 1 gallon glass. Please revise. Also, there is an abbreviation of Lt for container type? What does LT. mean?
3. Please indicate if this is a new lab or not. If a new lab is being created an Automatic Fire Sprinkler system is required designed to group 1 ordinary hazard in accordance with the 2011 edition of NFPA 45 6.2.1.1 (2).
4. Please provide portable fire extinguishers in accordance with the 2011 edition of NFPA 45 6.4.
5. Please indicate standpipe locations as required per 2011 edition of NFPA 45 6.3.
6. Please provide fire damper specifications as noted on the mechanical plans.
7. There appears to be new doors being added in a fire rated wall. Please provide a door schedule indicating the required fire rating, and provide specifications. Also, provide the hourly fire rating of the walls and a detail.
8. Please provide an approved method of fire stopping for all through penetrations.
9. Please provide locations of safety shut-off devices for the natural gas piping system. Provide type of pipe, valves, pipe sizing, etc.
10. Please provide the fire resistance of the black-out curtain being proposed.
11. Is there going to be a flammable/combustible liquids cabinet? If so, provide location, venting, and specfications.

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

Additional Requirements *(as needed)*:

1. Fire Emergency Response Plans
2. Red Book Completion and Fixed Location Designation

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. Demolition
2. Construction / Interior Renovation
3. Fire Suppression System
4. Fire Alarm

Permits Issued:

1. Demolition
2. Construction / Interior Renovation
3. Fire Suppression System
4. Fire Alarm
