

Plan Review Summary

Building Information

Project Name:	Petit-Core Lab Expansion	Floor/Room #:	0303,0410,1001,2334 & 3327
Building #:	146	Department:	IBB
Occupancy Type:	Business	Budget:	\$150,000
Construction Type:	IIB	Type of Review:	Construction

Project Management

Project Manager:	Elvia Lam
Architect/Engineer of Record:	Warren Epstein & Associates
Construction Manager:	Jennifer Disotell
Aim Project Number:	0012-2019

Reviewer Information

Reviewer Name:	Jake LeJeune	Date Received:	7/12/2019
Disposition:	Declined	Date Completed:	8/1/2019

Status Statement

Note: Lab Renovations

Review Comments:

1. Sheet TS-1: please provide a complete summary of processes for each lab that include reasons for chemicals and gases listed; also provide 2 sets of copies SDS of all chemicals.
2. Sheet TS-1: room 3327 indicates 1411 square feet, please provide a second means of egress per 2011 edition of NFPA 45, 5.4.1.
3. Sheet TS-1: please include the gases used in the chemical/gas inventory list.
4. Sheet A-1: please provide more information regarding the Flammable and Biosafety cabinets as to which and how much chemicals will be stored in each; also indicate that the Flammable liquid cabinets will be vented/exhausted; Chemicals being stored are not allowed to be shared
5. Sheet A-1: please provide a complete equipment list
6. Sheet M-1: please include the lab exhaust and ventilation systems and ducts; please show that the lab will have a negative pressure in regards to the corridors per NFPA 45.
7. Sheet E-3.1: please provide emergency lighting for lab 1001
8. Please include piping systems for the gas cylinders and show that the cylinders are going to be in use; if cylinders are not considered in use they shall not be stored in the lab units per NFPA 45.
9. Please show the emergency gas shut off devices for the labs per NFPA 45.
10. Please provide clarification on plans to demolition of fume hood or will this remain in place with decontamination.

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. 50% Wall (Rated walls, doors, dampers, horizontal penetrations, etc.)
3. 80% Ceiling, Alarm, Sprinkler (vertical penetrations, junction boxes, lights tied at corners, sprinkler and fire alarm roughed in, etc.)
4. 100% Construction, Alarm Commissioning, Sprinkler Commissioning, Certificate of Occupancy (all work complete, commissioning of systems, close-out documents, etc.)

Permits Required:

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

Permits Issued:

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

